

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071320\
 Data File : VU039474.D
 Acq On : 13 Jul 2020 16:43
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Quant Time: Jul 14 07:15:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 14 07:08:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	97758	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	94769	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48466	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31857	5.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.40%
7) Chloroethane-d5	1.92	69	35638	6.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.00%
11) 1,1-Dichloroethene-d2	2.58	63	63086	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.20%
20) 2-Butanone-d5	4.65	46	122276	47.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.34%
24) Chloroform-d	5.09	84	63457	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.72	65	39631	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.74	84	123403	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.71	67	41009	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.91	98	116884	5.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.20%
43) trans-1,3-Dichloropropene-	8.19	79	18799	5.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.20%
46) 2-Hexanone-d5	8.64	63	97549	46.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.92%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	39744	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	44823	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	32034	5.406 ug/L	99
3) Chloromethane	1.53	50	35850	4.994 ug/L	97
5) Vinyl chloride	1.61	62	38348	4.811 ug/L	100
6) Bromomethane	1.87	94	21725	6.329 ug/L	95
8) Chloroethane	1.94	64	32514	5.646 ug/L	96
9) Trichlorofluoromethane	2.15	101	71561	5.170 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	28120	4.951 ug/L	99
12) 1,1-Dichloroethene	2.59	96	26935	4.633 ug/L	90
13) Acetone	2.66	43	70135	50.120 ug/L	98
14) Carbon disulfide	2.81	76	89588	4.374 ug/L	99
15) Methyl Acetate	2.97	43	17444	4.719 ug/L	96
16) Methylene chloride	3.06	84	34182	4.674 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	89845	4.904 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	30473	4.735 ug/L	98
19) 1,1-Dichloroethane	3.89	63	61737	4.903 ug/L	97
21) 2-Butanone	4.73	43	120737	48.341 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	34211	4.740 ug/L	94

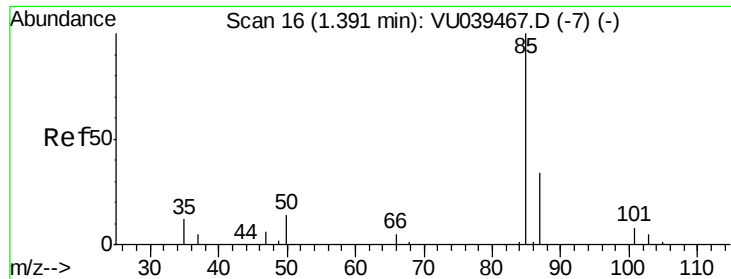
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	15712	4.792	ug/L	98
25) Chloroform	5.11	83	66733	5.247	ug/L	99
27) 1,2-Dichloroethane	5.81	62	46448	5.049	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	53511	4.794	ug/L	97
30) Cyclohexane	5.41	56	52162	4.439	ug/L	98
31) Carbon tetrachloride	5.54	117	44589	4.682	ug/L	99
33) Benzene	5.79	78	134144	4.734	ug/L	100
34) Trichloroethene	6.56	95	34443	4.702	ug/L	98
35) Methylcyclohexane	6.78	83	53045	4.520	ug/L	99
37) 1,2-Dichloropropane	6.81	63	37162	4.811	ug/L	100
38) Bromodichloromethane	7.12	83	47003	4.765	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	56226	4.816	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	305134	47.357	ug/L	98
42) Toluene	7.98	91	143491	4.729	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	50059	4.833	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	26915	4.851	ug/L	93
47) Tetrachloroethene	8.56	164	23982	4.707	ug/L	99
48) 2-Hexanone	8.69	43	227712	47.930	ug/L	99
49) Dibromochloromethane	8.82	129	32456	4.830	ug/L	99
50) 1,2-Dibromoethane	8.93	107	26630	4.725	ug/L	98
51) Chlorobenzene	9.45	112	90195	4.865	ug/L	97
52) Ethylbenzene	9.57	91	162350	4.842	ug/L	100
53) m,p-Xylene	9.70	106	59984	4.748	ug/L	94
54) o-Xylene	10.10	106	58577	4.763	ug/L	98
55) Styrene	10.11	104	102007	4.767	ug/L	96
56) Isopropylbenzene	10.48	105	156123	4.693	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	37966	4.917	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	27477	4.827	ug/L	94
61) Bromoform	10.29	173	18662	4.569	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	71805	4.728	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	70021	4.596	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	72506	4.762	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	6082	4.522	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	51580	4.538	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	44311	4.556	ug/L	97
69) Naphthalene	14.08	128	78926	4.033	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	40988	4.548	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.406 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

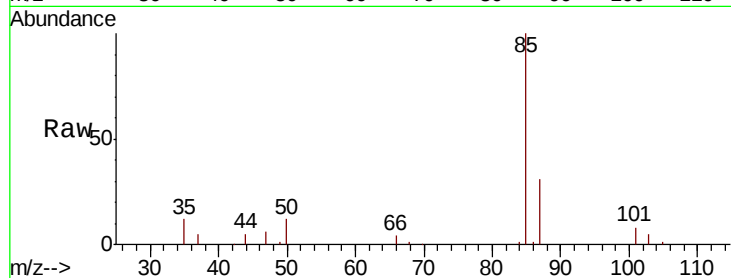
VSTD00518

Tot Ion: 85 Resp: 32034

Ion Ratio Lower Upper

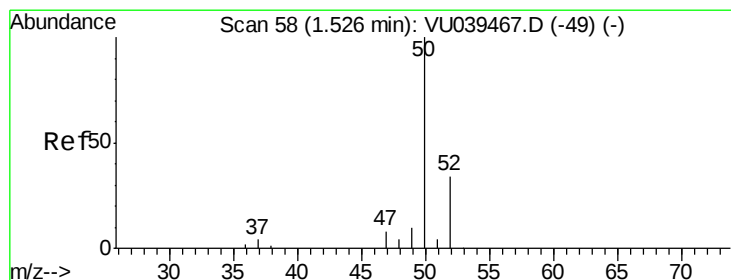
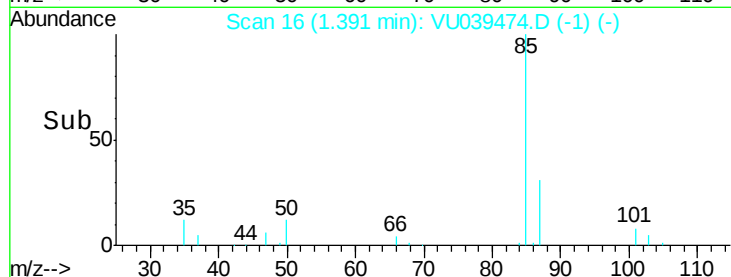
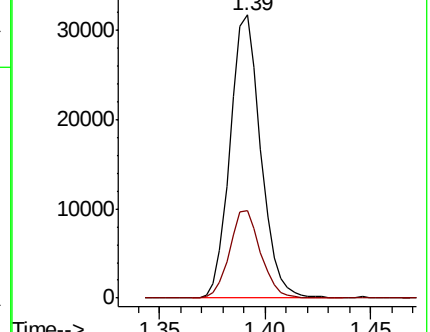
85 100

87 31.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039474.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039474.D (-1) (-)



#3

Chloromethane

Concen: 4.994 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039474.D

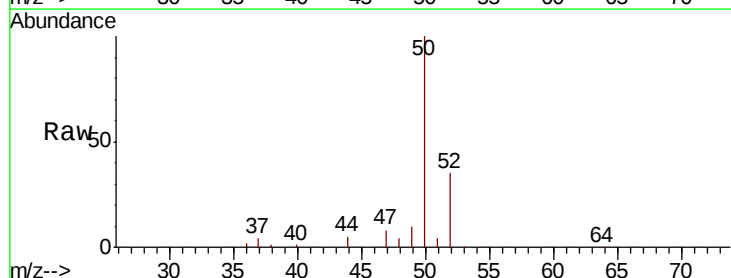
Acq: 13 Jul 2020 16:43

Tgt Ion: 50 Resp: 35850

Ion Ratio Lower Upper

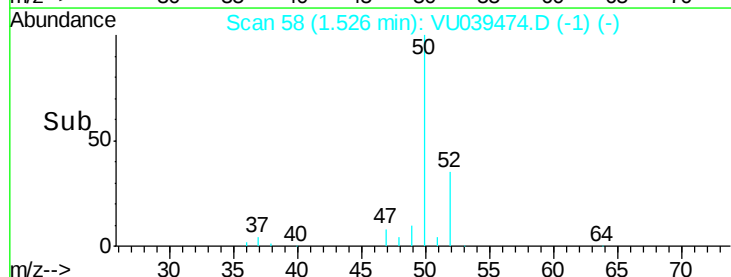
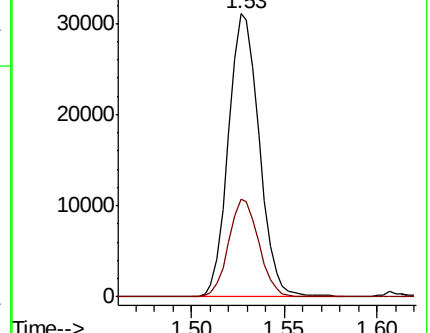
50 100

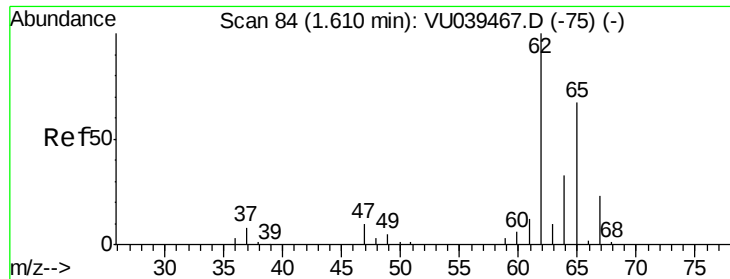
52 34.6 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039474.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039474.D (-1) (-)





#5

Vinyl chloride

Concen: 4.811 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

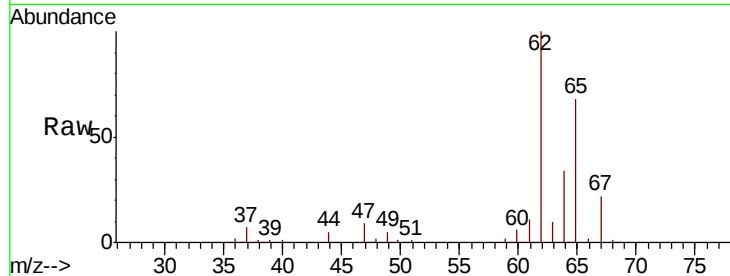
VSTD00518

Tot Ion: 62 Resp: 38348

Ion Ratio Lower Upper

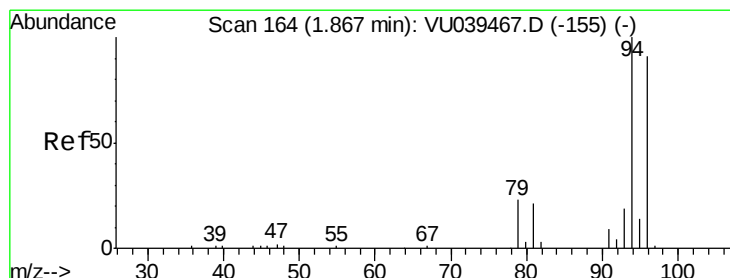
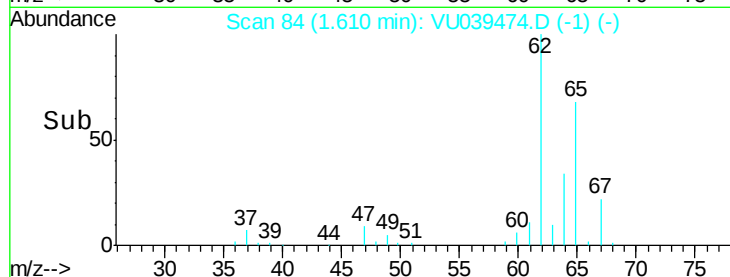
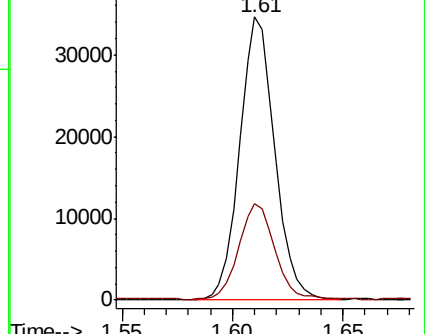
62 100

64 34.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 6.329 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039474.D

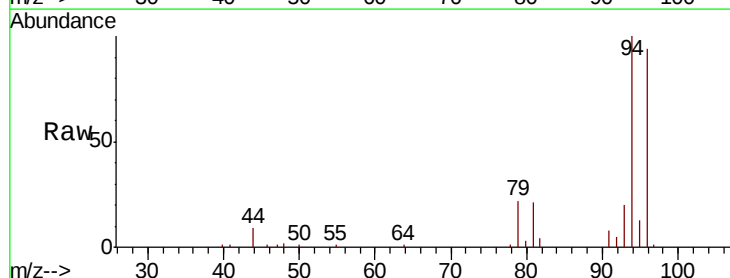
Acq: 13 Jul 2020 16:43

Tgt Ion: 94 Resp: 21725

Ion Ratio Lower Upper

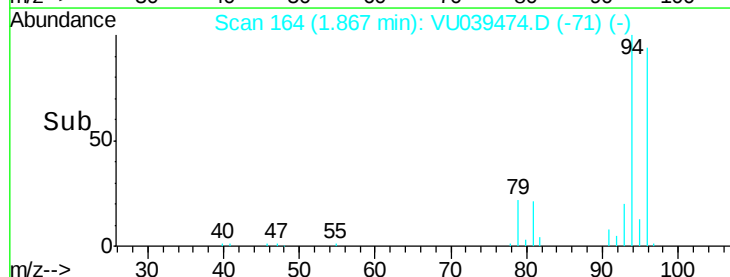
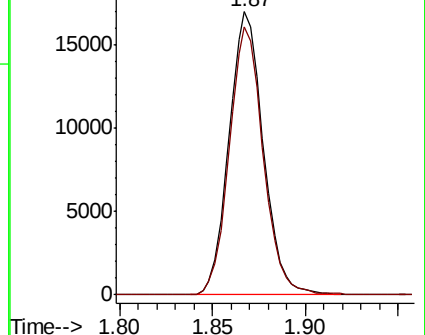
94 100

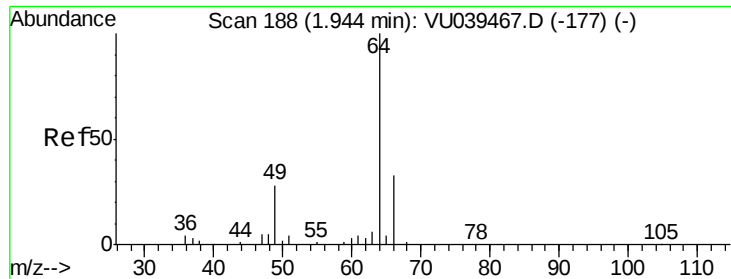
96 94.5 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.646 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

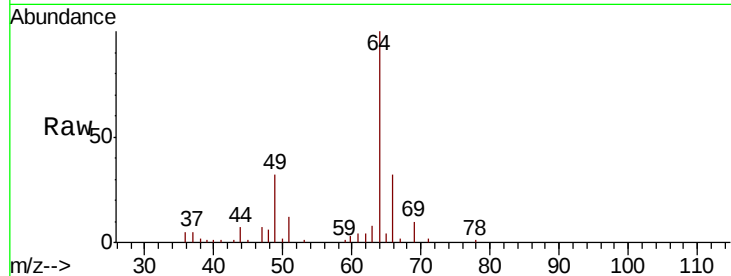
VSTD00518

Tot Ion: 64 Resp: 32514

Ion Ratio Lower Upper

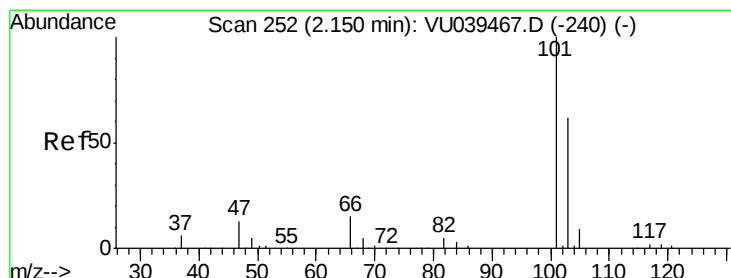
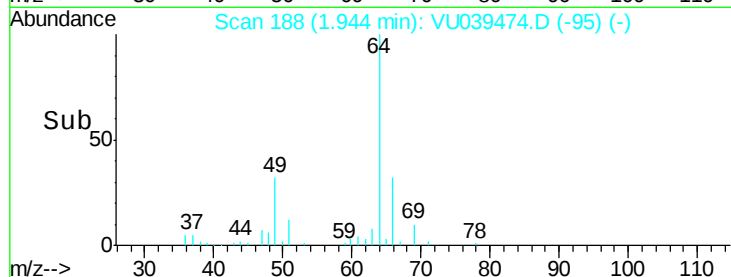
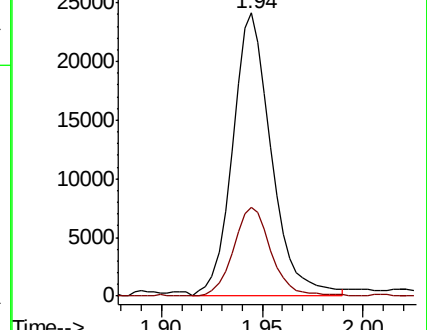
64 100

66 31.5 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039474.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039474.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.170 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039474.D

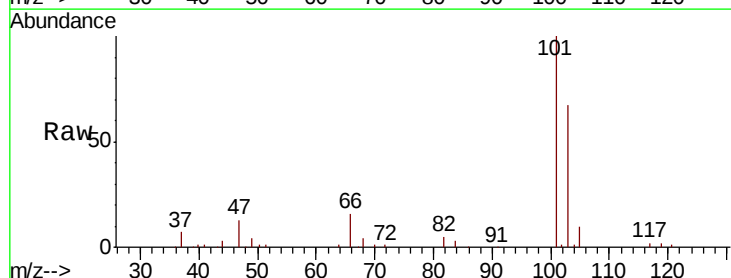
Acq: 13 Jul 2020 16:43

Tgt Ion: 101 Resp: 71561

Ion Ratio Lower Upper

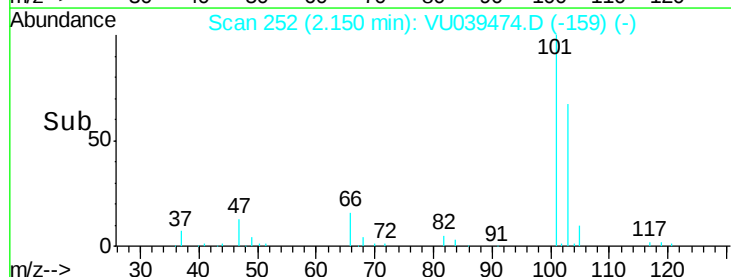
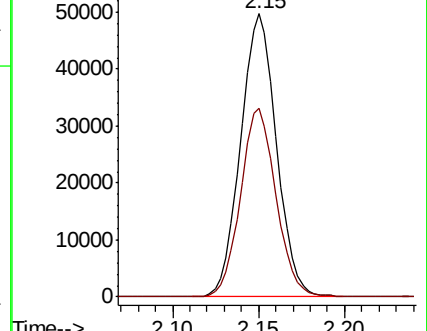
101 100

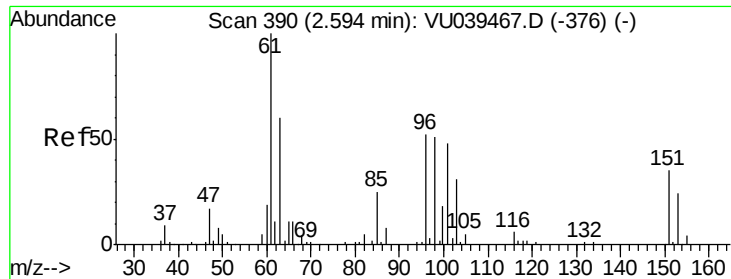
103 66.3 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039474.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039474.D (-240) (-)





#10

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

Concen: 4.951 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

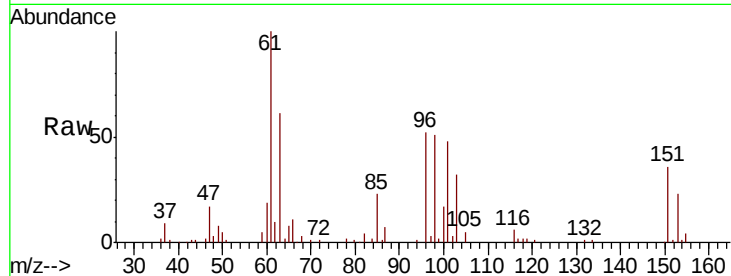
Tot Ion:101 Resp: 28120

Ion Ratio Lower Upper

101 100

85 48.4 38.9 58.3

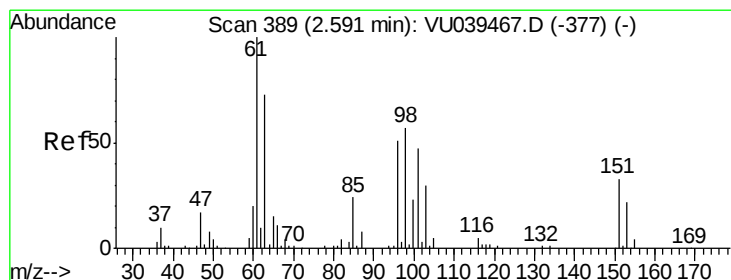
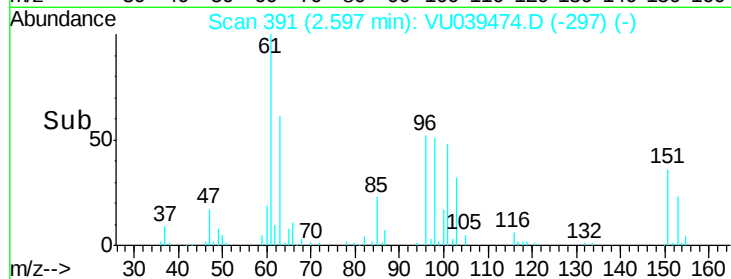
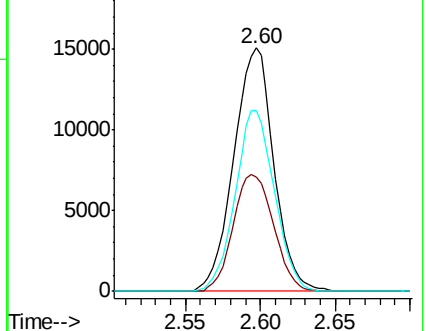
151 72.8 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.633 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

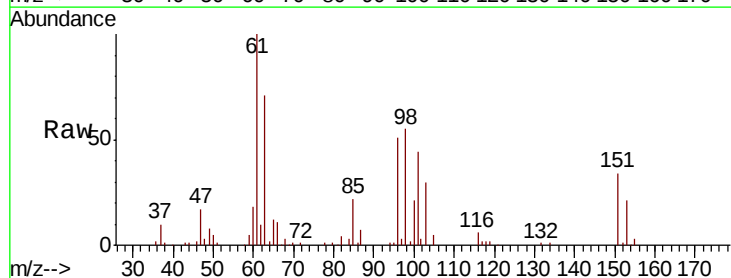
Tgt Ion: 96 Resp: 26935

Ion Ratio Lower Upper

96 100

61 196.7 125.4 232.8

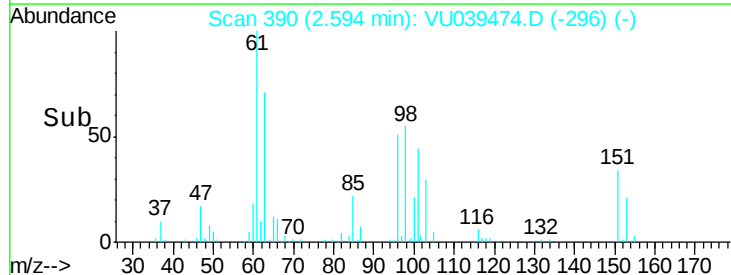
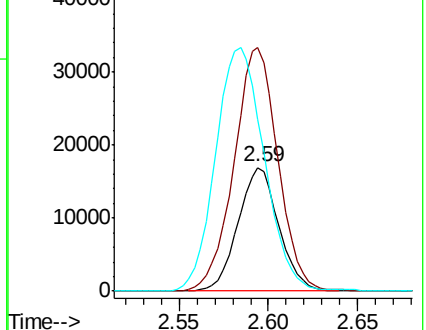
63 139.4 92.7 172.3

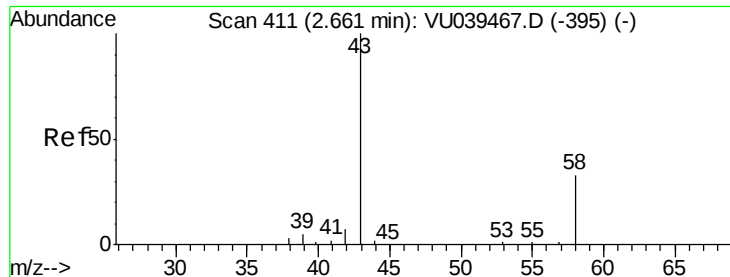


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.120 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

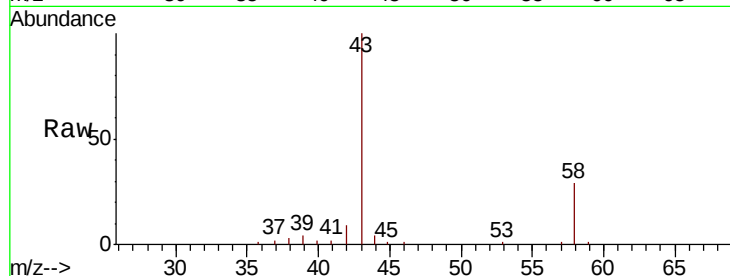
VSTD00518

Tot Ion: 43 Resp: 70135

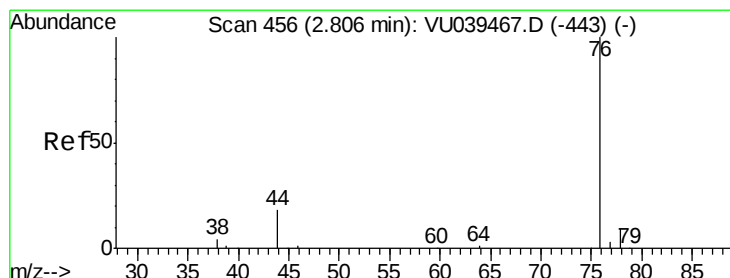
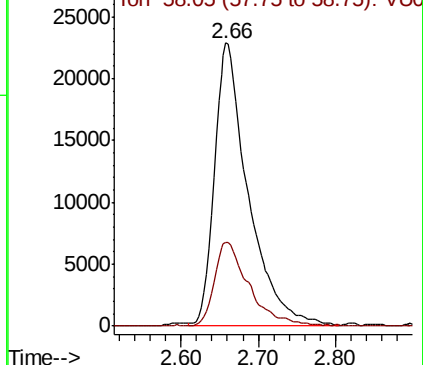
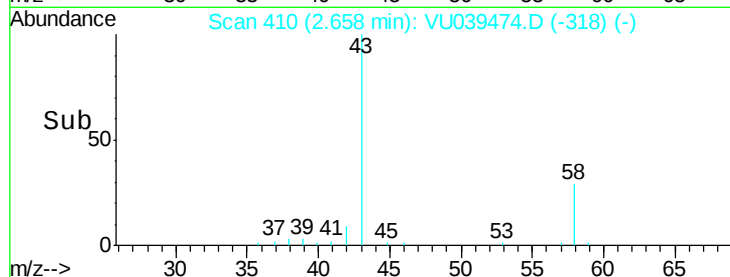
Ion Ratio Lower Upper

43 100

58 30.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039474.D (-318) (-)



#14

Carbon disulfide

Concen: 4.374 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039474.D

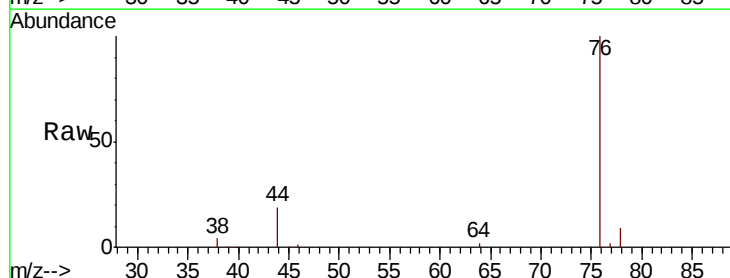
Acq: 13 Jul 2020 16:43

Tgt Ion: 76 Resp: 89588

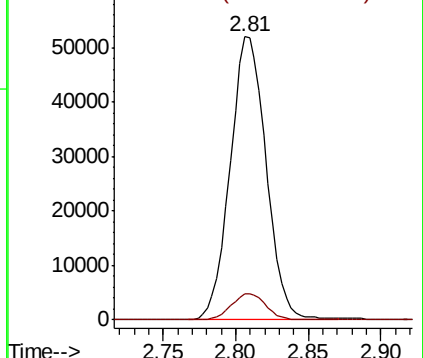
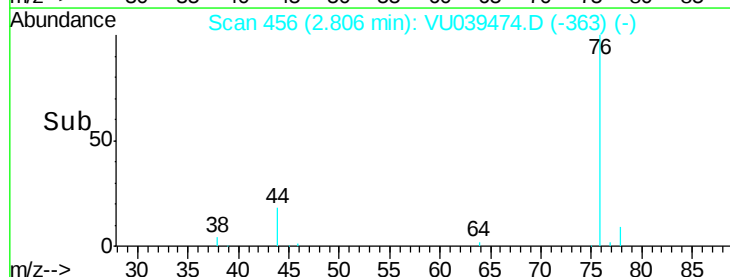
Ion Ratio Lower Upper

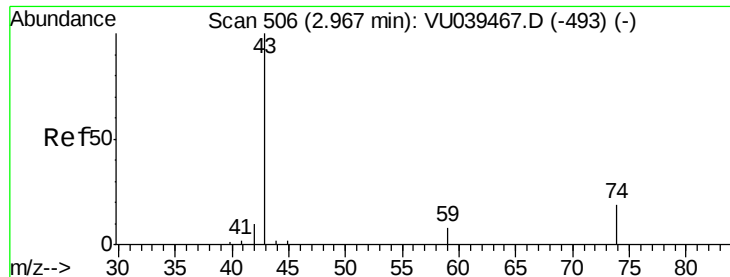
76 100

78 9.1 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039474.D (-363) (-)





#15

Methyl Acetate

Concen: 4.719 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

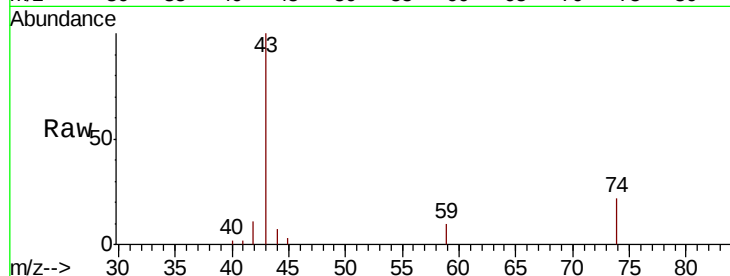
VSTD00518

Tot Ion: 43 Resp: 17444

Ion Ratio Lower Upper

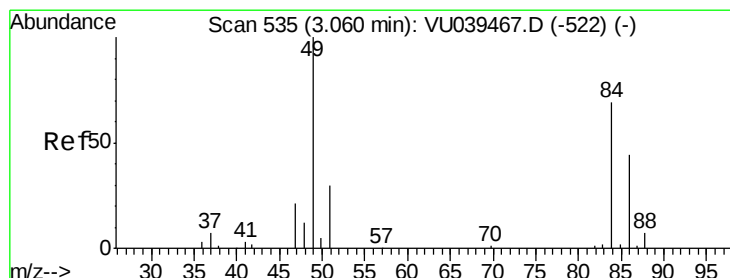
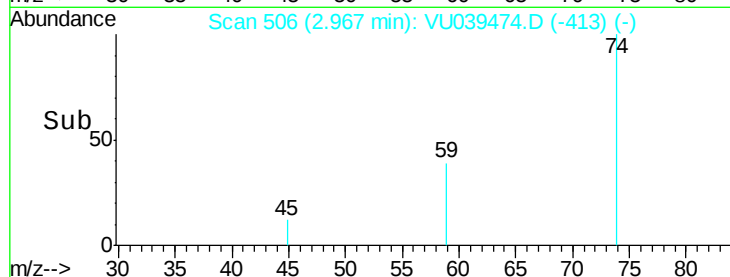
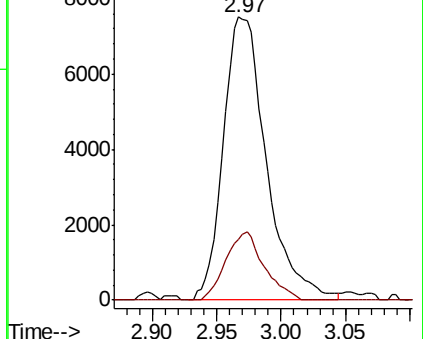
43 100

74 21.4 18.7 28.1



Abundance Ion 43.05 (42.75 to 43.75): VU039474.D (-413) (-)

Ion 74.05 (73.75 to 74.75): VU039474.D (-413) (-)



#16

Methylene chloride

Concen: 4.674 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

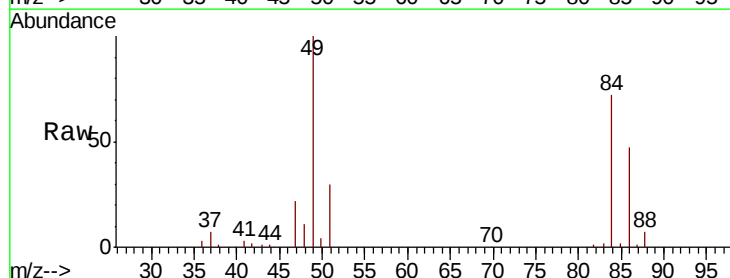
Tgt Ion: 84 Resp: 34182

Ion Ratio Lower Upper

84 100

86 65.3 43.5 80.9

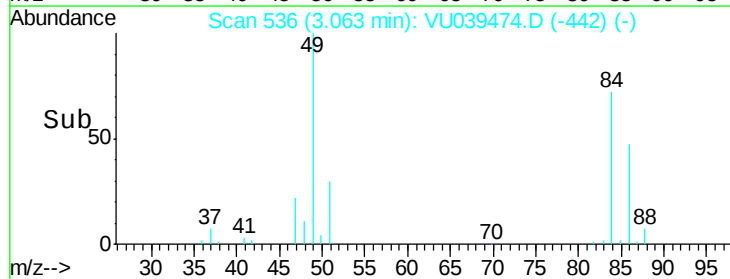
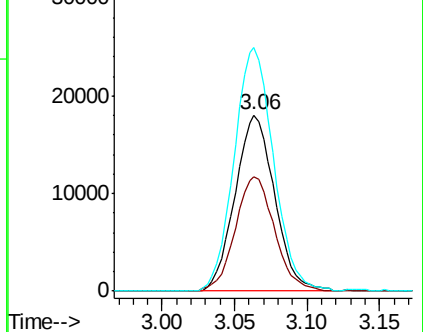
49 138.2 91.1 169.1

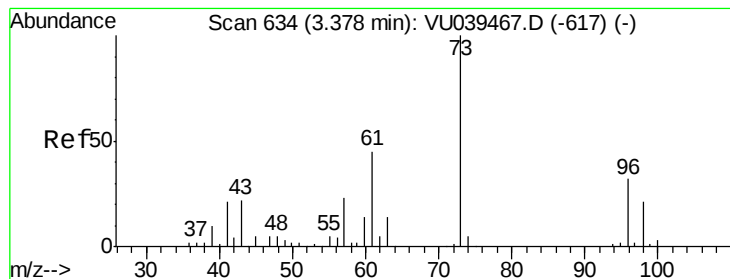


Abundance Ion 84.05 (83.75 to 84.75): VU039474.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU039474.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU039474.D (-442) (-)



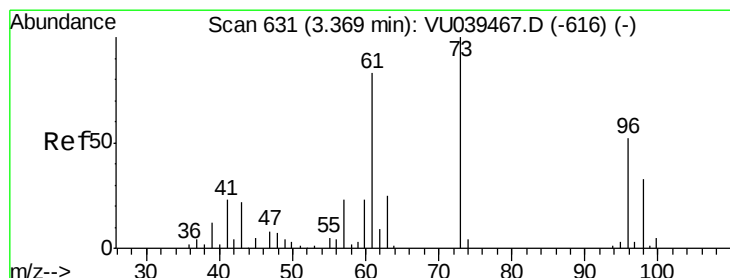
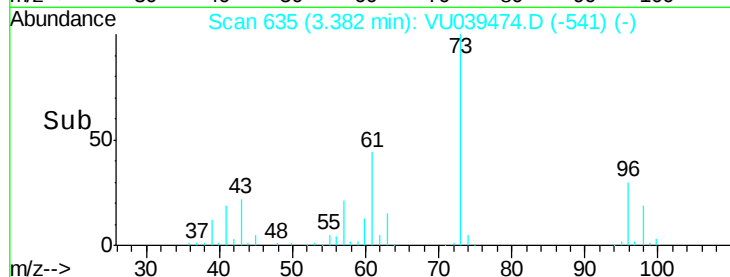
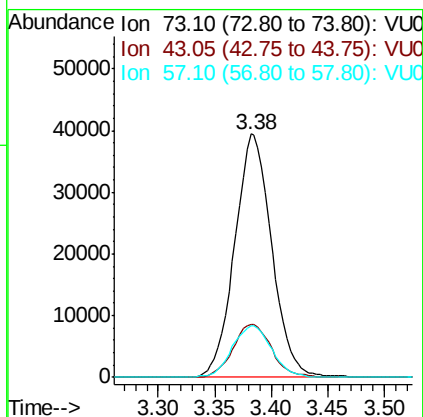
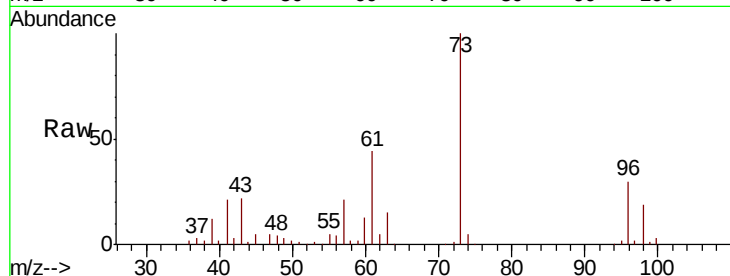


#17

Methvl tert-butvl Ether
 Concen: 4.904 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

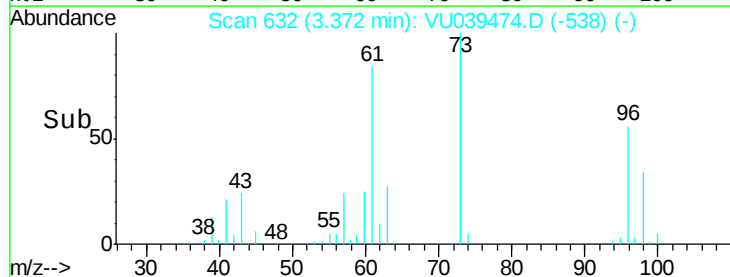
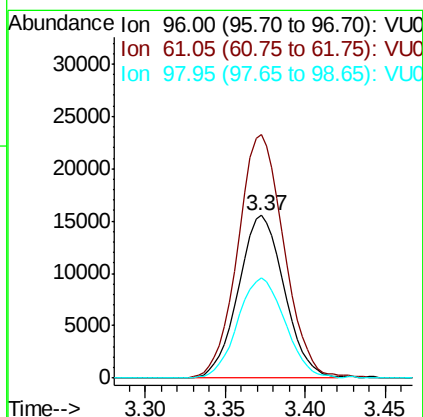
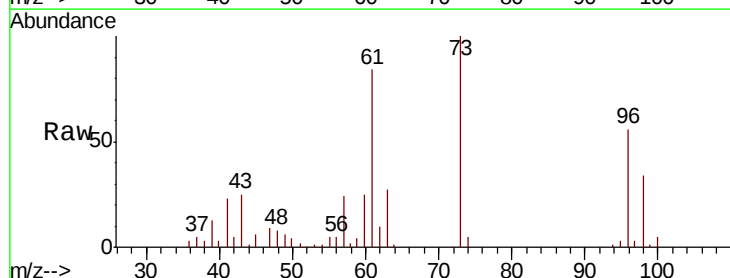
Tot Ion: 73 Resp: 89845
 Ion Ratio Lower Upper
 73 100
 43 22.6 18.6 28.0
 57 22.5 17.9 26.9

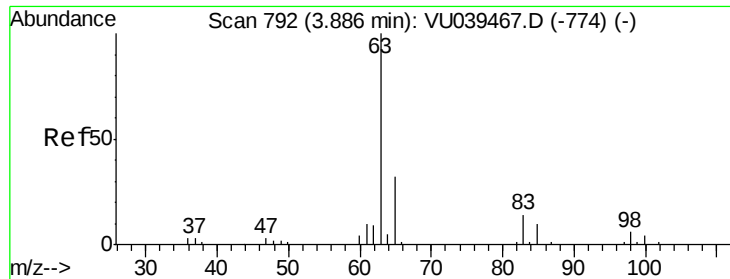


#18

trans-1,2-Dichloroethene
 Concen: 4.735 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Tgt Ion: 96 Resp: 30473
 Ion Ratio Lower Upper
 96 100
 61 149.7 102.1 189.5
 98 61.4 42.5 78.9

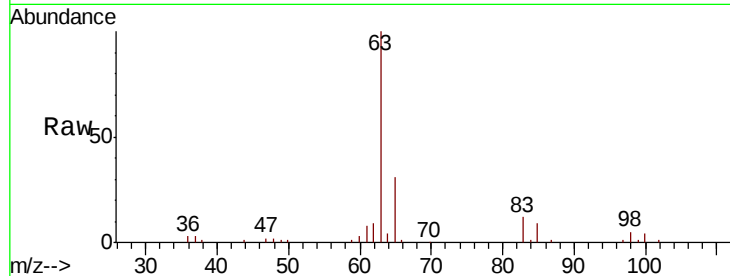




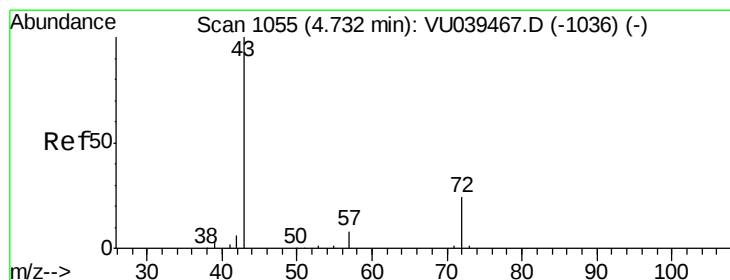
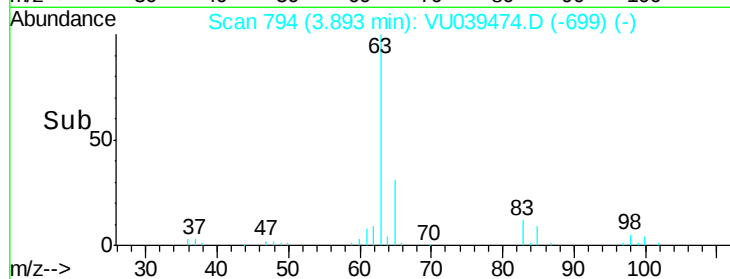
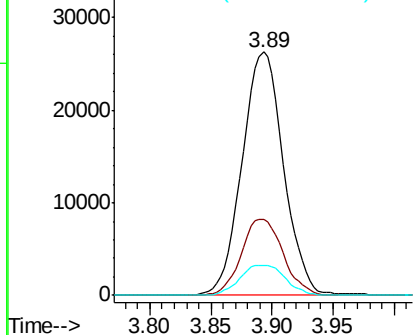
#19
 1,1-Dichloroethane
 Concen: 4.903 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tot Ion: 63 Resp: 61737
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.0 42.6
 83 12.3 9.6 17.8

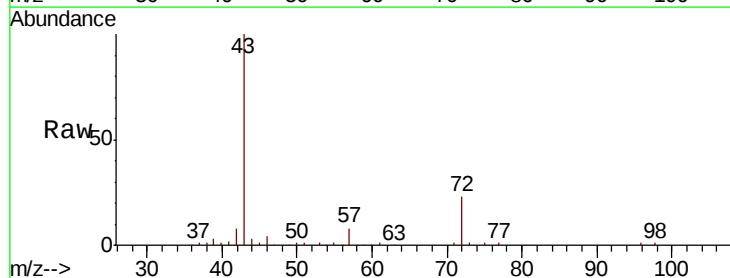


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

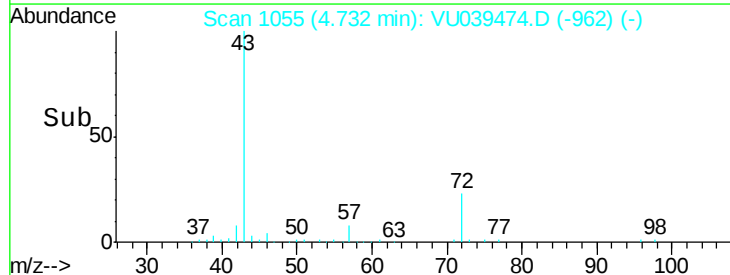
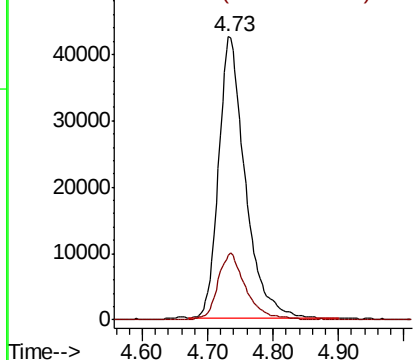


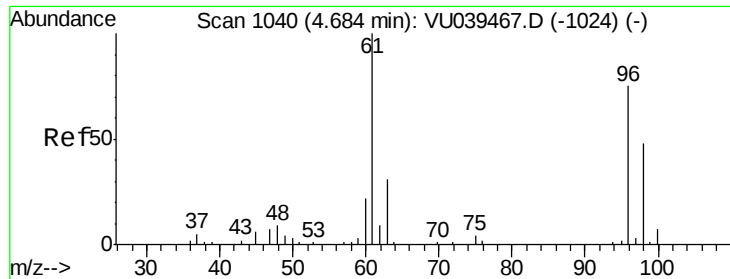
#21
 2-Butanone
 Concen: 48.341 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Tgt Ion: 43 Resp: 120737
 Ion Ratio Lower Upper
 43 100
 72 23.8 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

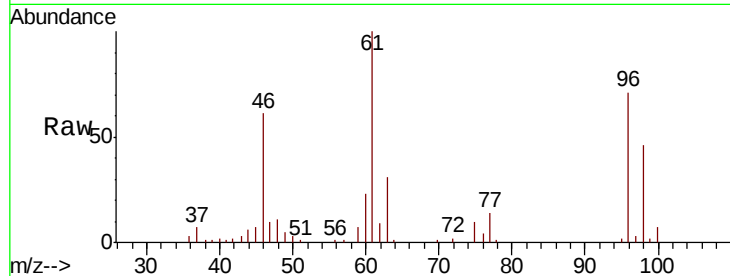




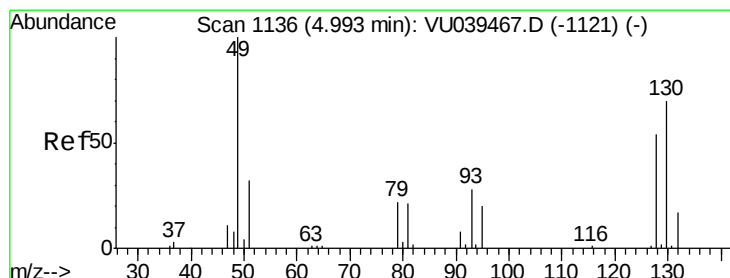
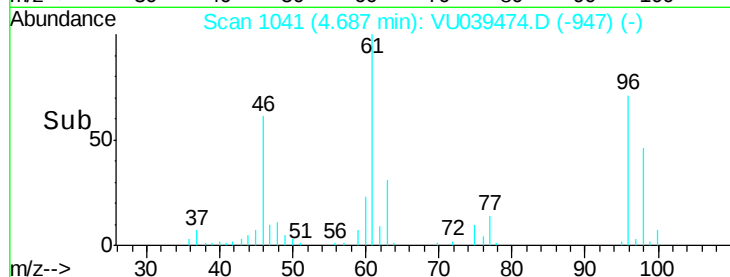
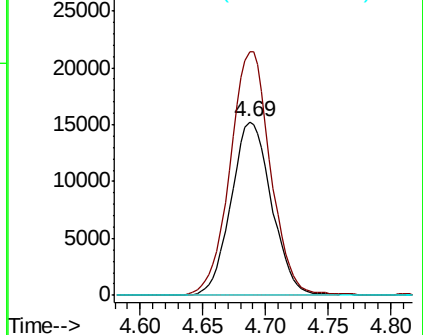
#22
 cis-1,2-Dichloroethene
 Concen: 4.740 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tot Ion: 96 Resp: 34211
 Ion Ratio Lower Upper
 96 100
 61 139.9 92.8 172.4
 68 0.0 0.0 0.0



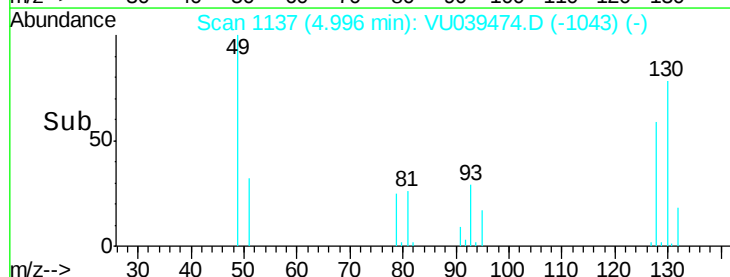
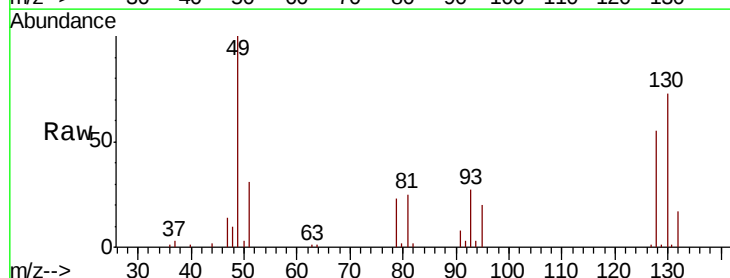
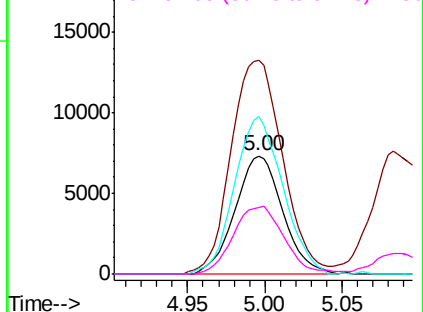
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

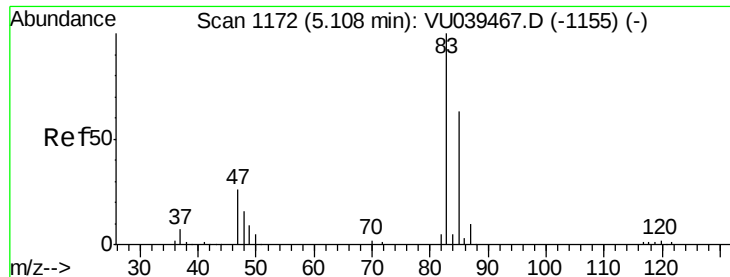


#23
 Bromochloromethane
 Concen: 4.792 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Tgt Ion: 128 Resp: 15712
 Ion Ratio Lower Upper
 128 100
 49 180.8 128.5 238.7
 130 132.8 91.5 169.9
 51 56.8 47.0 70.6

Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

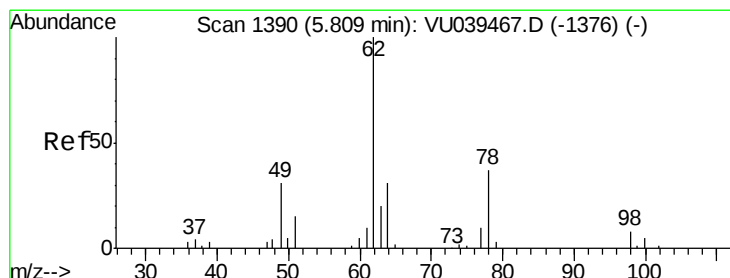
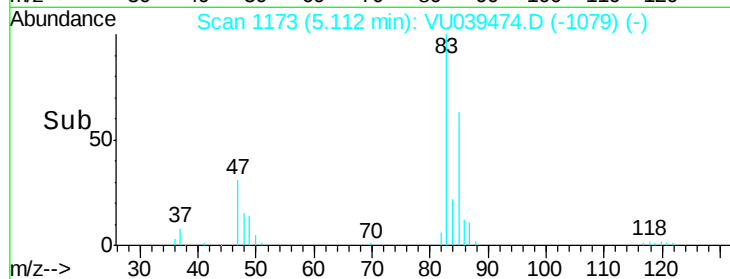
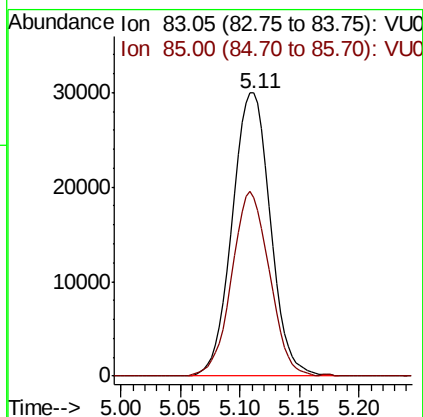
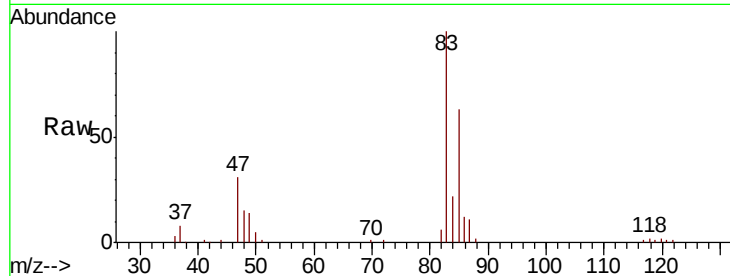




#25
Chloroform
Concen: 5.247 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43

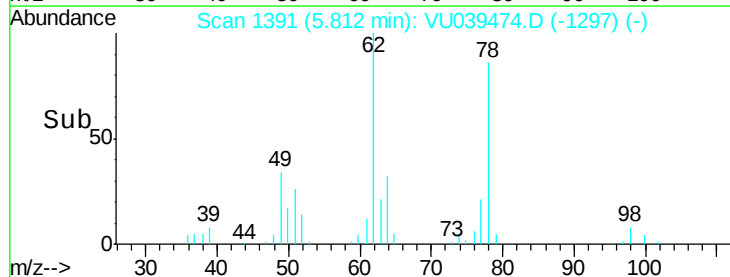
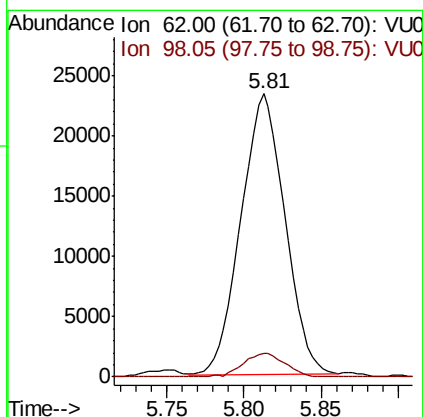
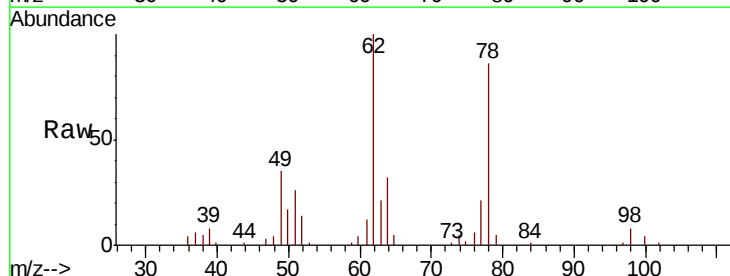
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

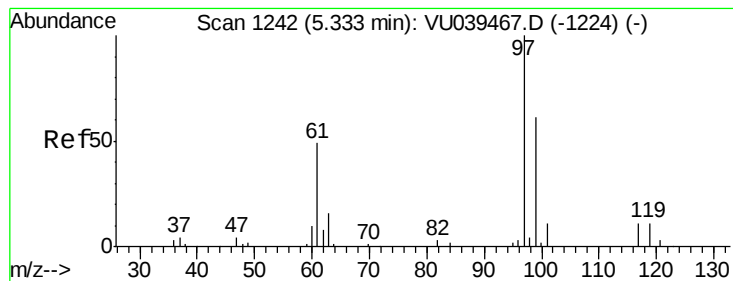
Tot Ion: 83 Resp: 66733
Ion Ratio Lower Upper
83 100
85 63.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.049 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43

Tgt Ion: 62 Resp: 46448
Ion Ratio Lower Upper
62 100
98 8.3 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 4.794 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

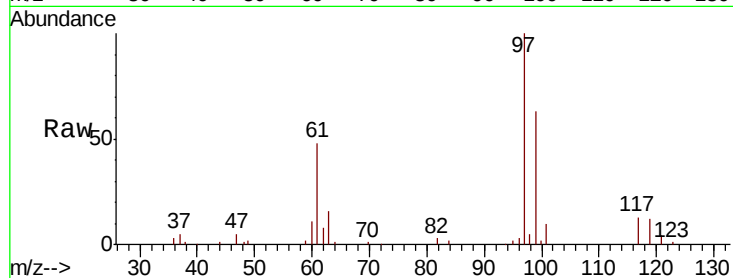
Tot Ion: 97 Resp: 53511

Ion Ratio Lower Upper

97 100

99 66.7 52.6 79.0

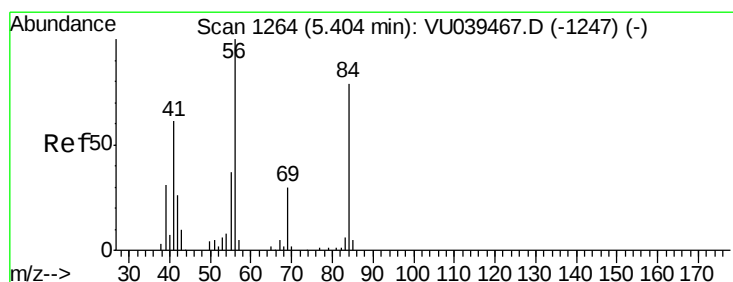
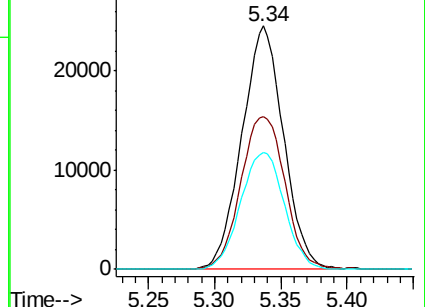
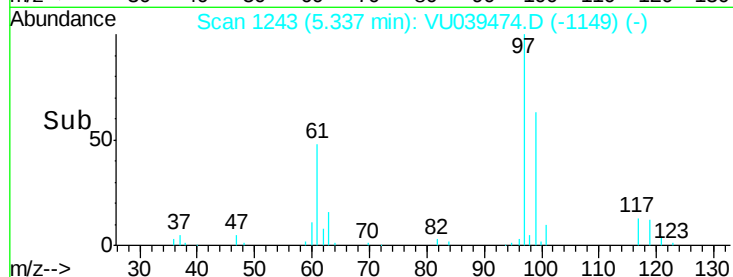
61 50.5 37.9 56.9



Abundance Ion 96.95 (96.65 to 97.65): VU039474.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU039474.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU039474.D (-1149) (-)



#30

Cyclohexane

Concen: 4.439 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

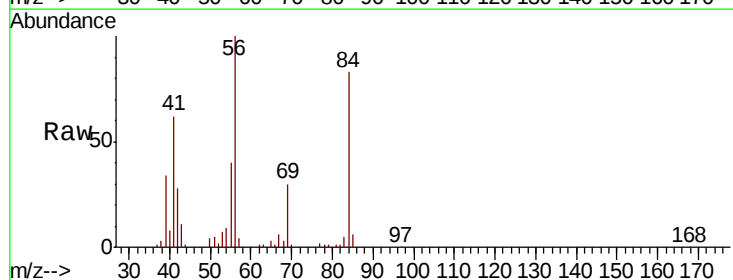
Tgt Ion: 56 Resp: 52162

Ion Ratio Lower Upper

56 100

69 29.2 24.1 36.1

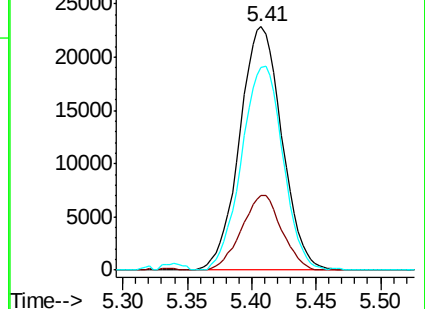
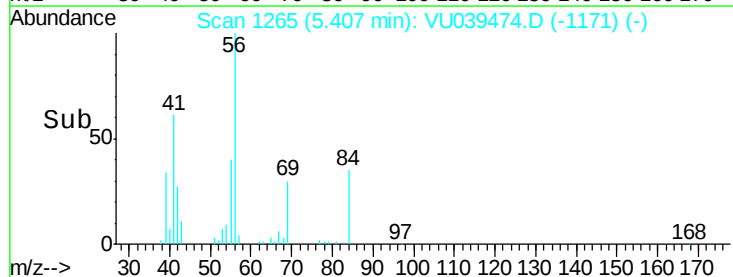
84 82.2 67.0 100.6

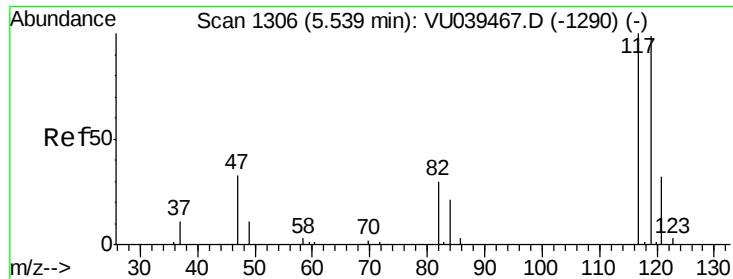


Abundance Ion 56.10 (55.80 to 56.80): VU039474.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU039474.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU039474.D (-1171) (-)

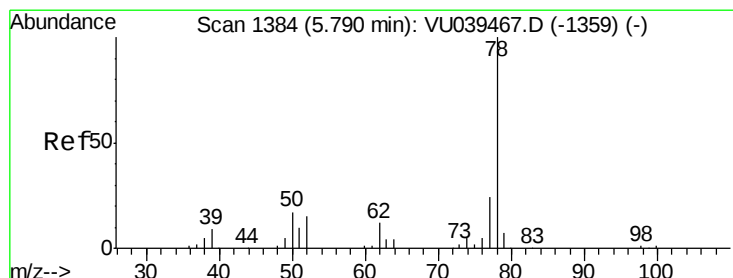
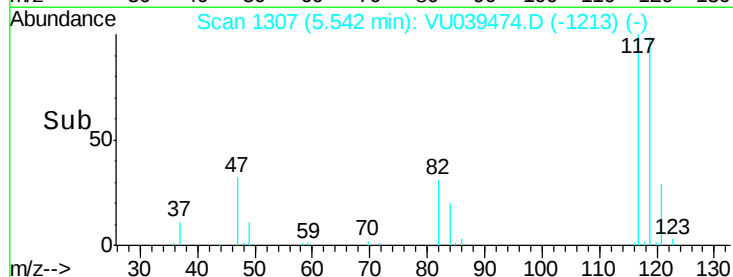
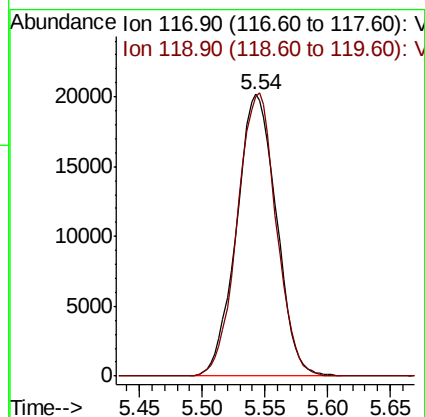
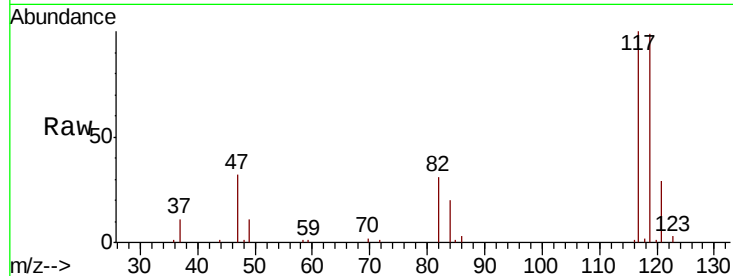




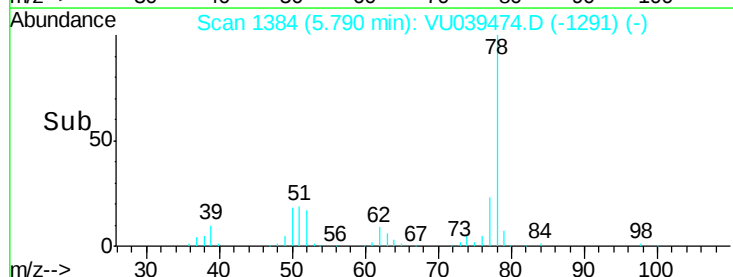
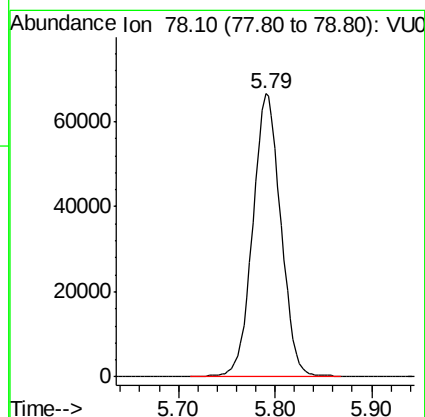
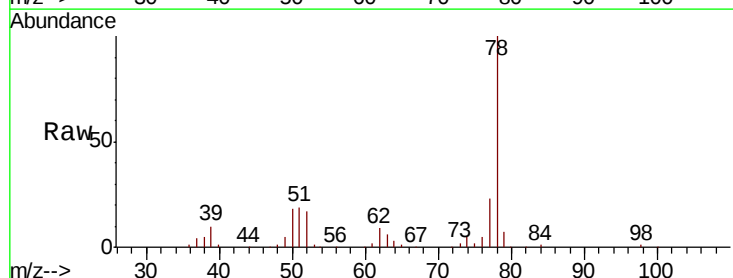
#31
Carbon tetrachloride
Concen: 4.682 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43

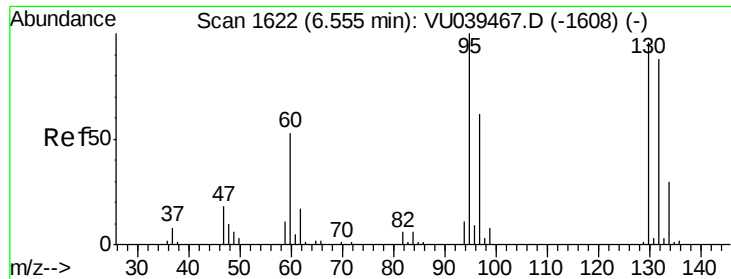
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tot Ion:117 Resp: 44589
Ion Ratio Lower Upper
117 100
119 98.1 77.4 116.0



#33
Benzene
Concen: 4.734 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43
Tgt Ion: 78 Resp: 134144

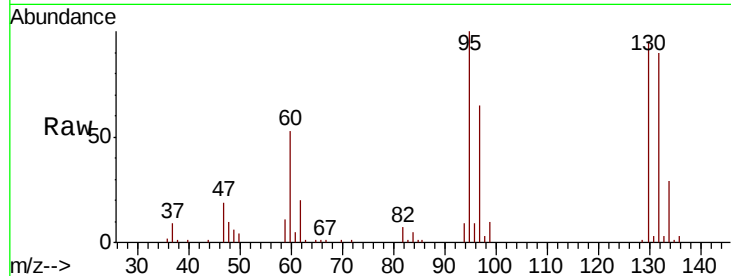




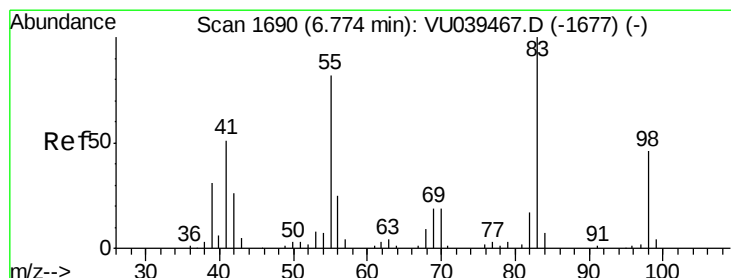
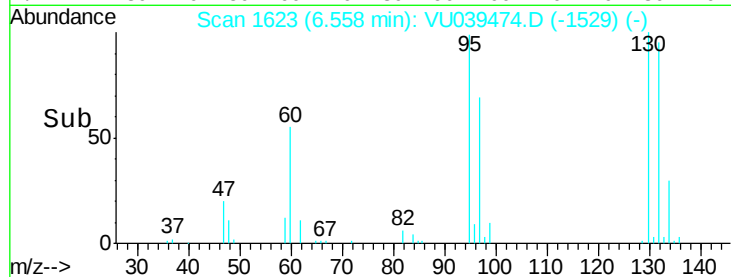
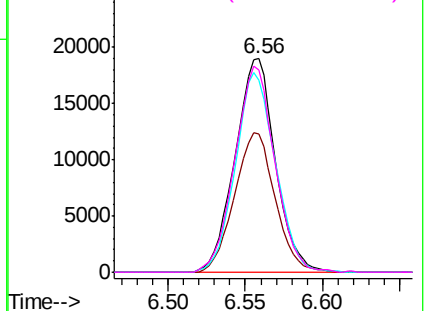
#34
 Trichloroethene
 Concen: 4.702 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tot Ion: 95 Resp: 34443
 Ion Ratio Lower Upper
 95 100
 97 64.8 46.3 85.9
 132 89.8 64.0 118.8
 130 94.6 64.3 119.5

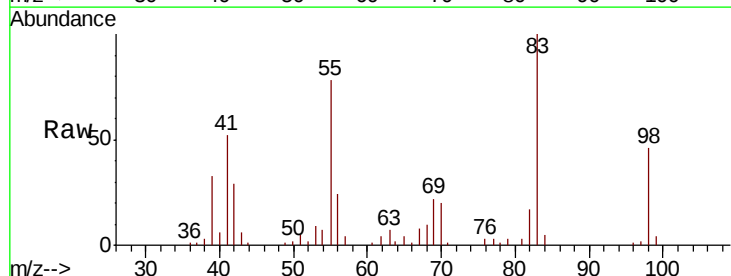


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

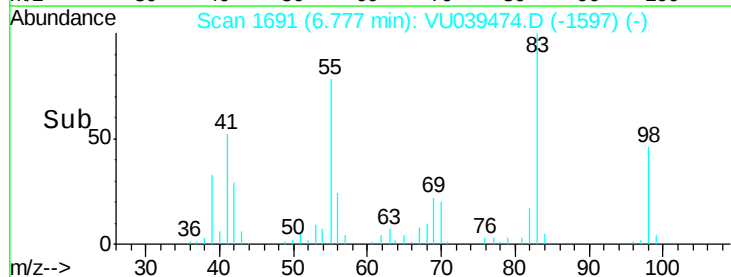
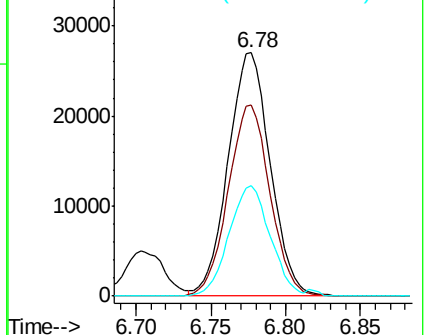


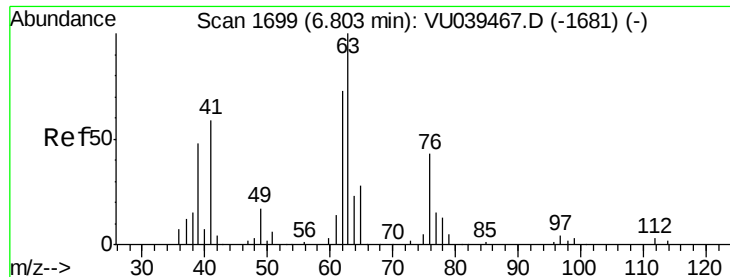
#35
 Methylcyclohexane
 Concen: 4.520 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Tgt Ion: 83 Resp: 53045
 Ion Ratio Lower Upper
 83 100
 55 77.8 62.1 93.1
 98 44.1 35.9 53.9



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

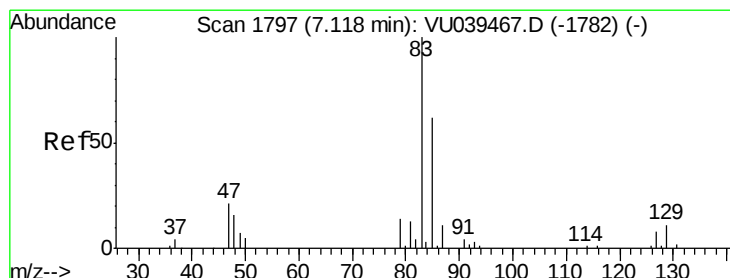
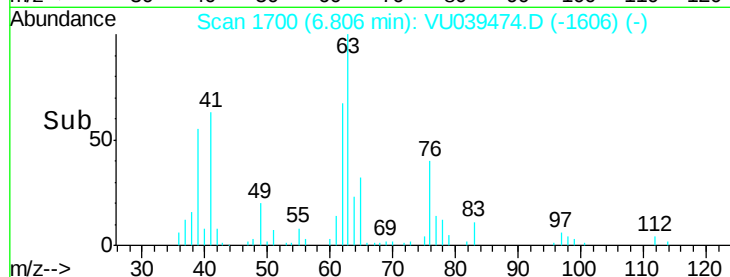
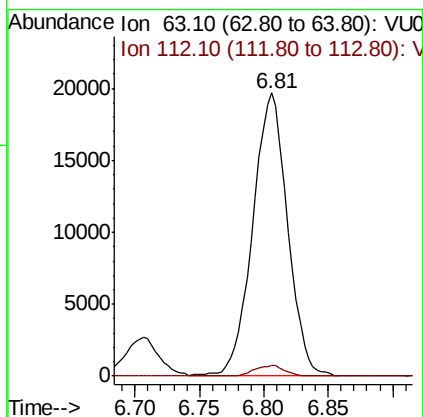
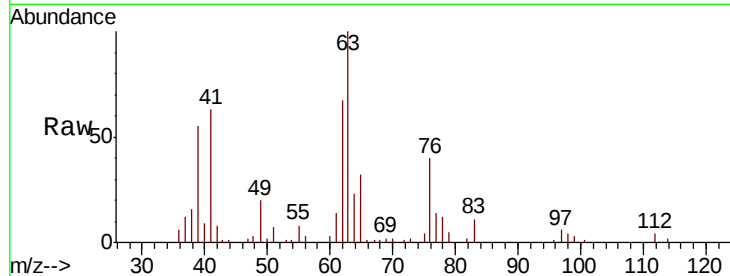




#37
 1,2-Dichloropropane
 Concen: 4.811 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

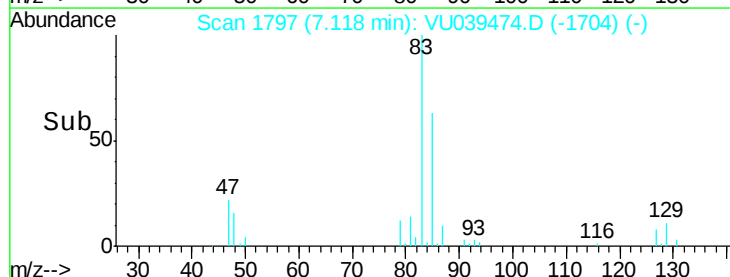
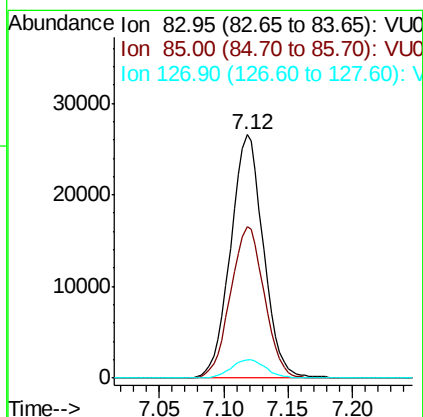
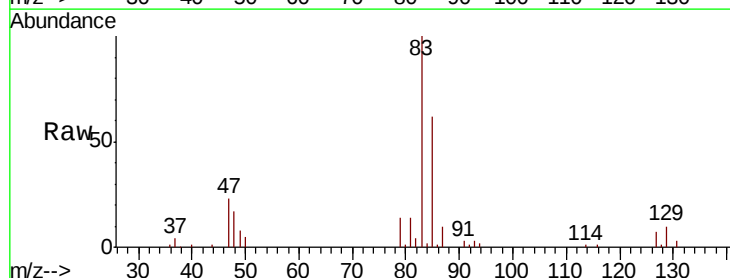
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

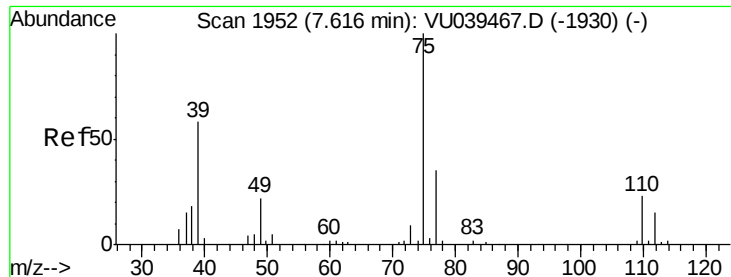
Tot Ion: 63 Resp: 37162
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.765 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Tgt Ion: 83 Resp: 47003
 Ion Ratio Lower Upper
 83 100
 85 62.1 44.0 81.6
 127 7.5 6.2 9.4

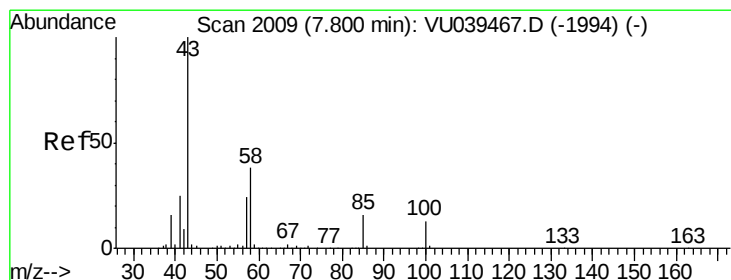
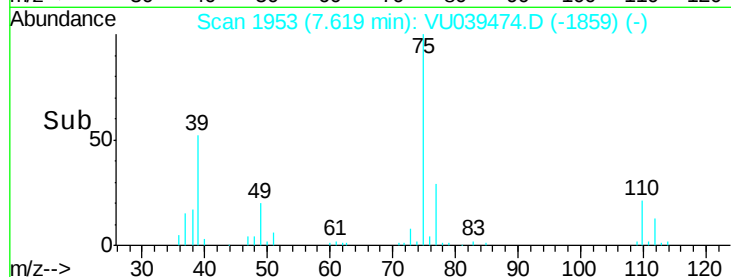
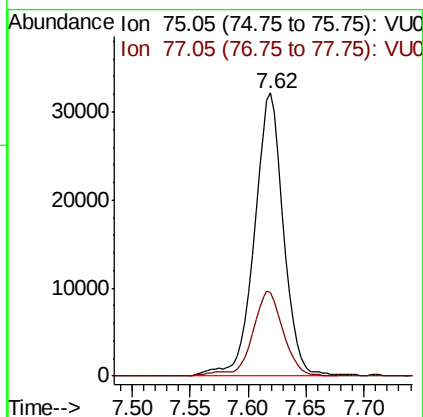
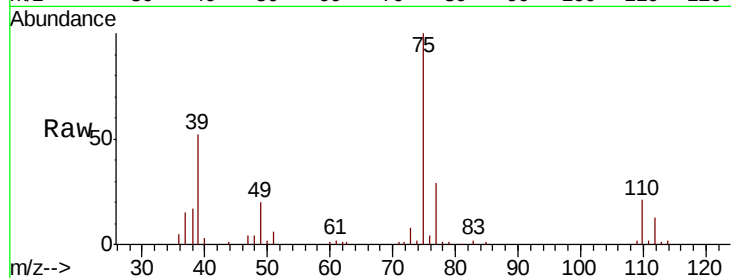




#39
 cis-1,3-Dichloropropene
 Concen: 4.816 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

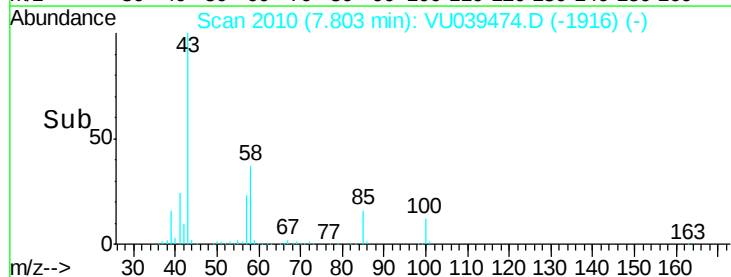
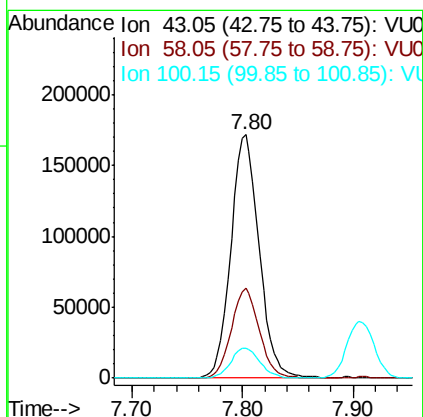
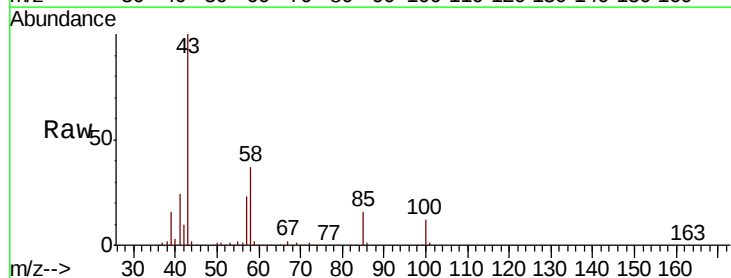
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

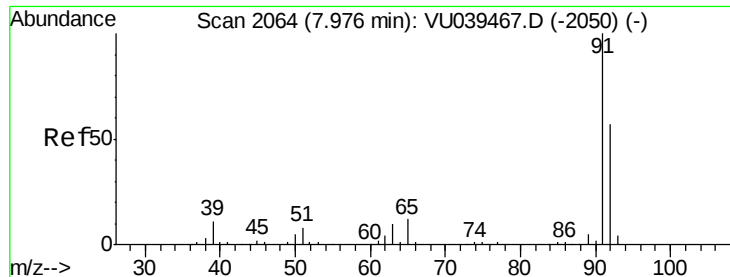
Tot Ion: 75 Resp: 56226
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 47.357 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Tgt Ion: 43 Resp: 305134
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.5 45.7
 100 12.7 10.3 15.5





#42

Toluene

Concen: 4.729 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

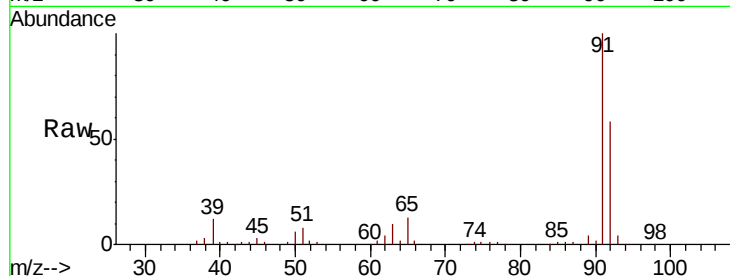
VSTD00518

Tot Ion: 91 Resp: 143491

Ion Ratio Lower Upper

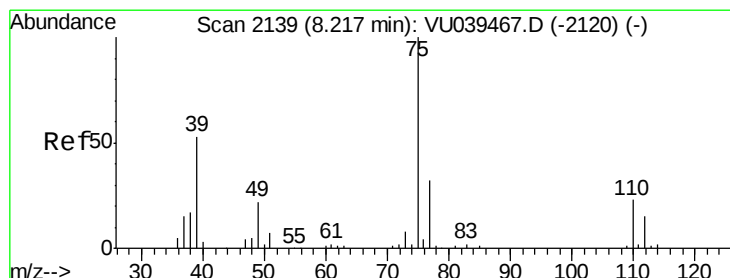
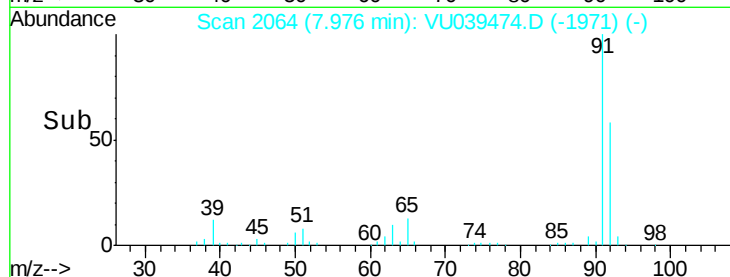
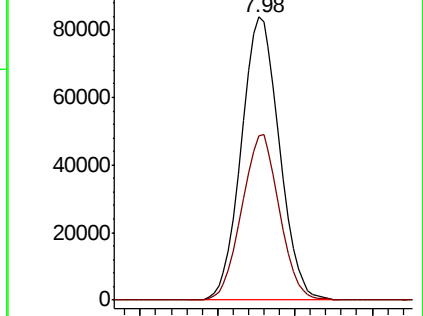
91 100

92 58.2 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039474.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039474.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.833 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039474.D

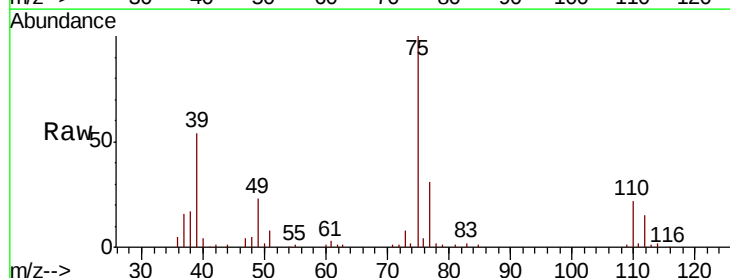
Acq: 13 Jul 2020 16:43

Tgt Ion: 75 Resp: 50059

Ion Ratio Lower Upper

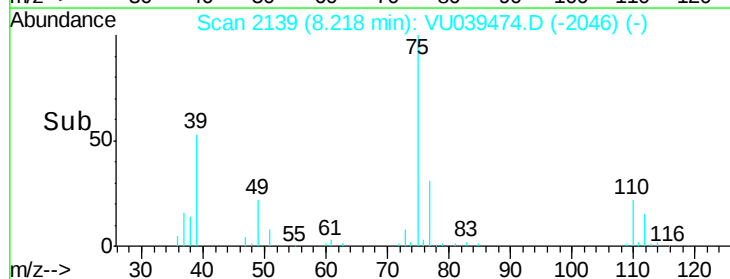
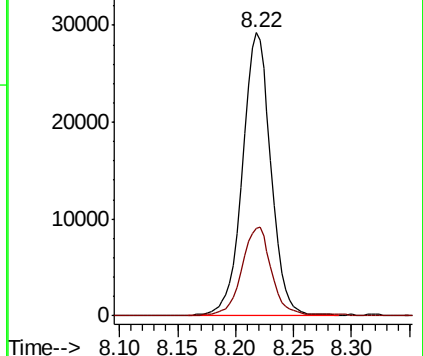
75 100

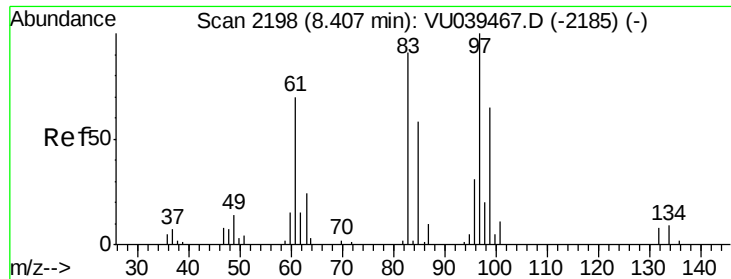
77 31.1 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039474.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039474.D (-2046) (-)

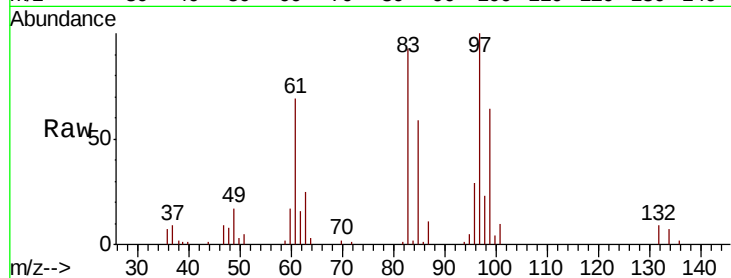




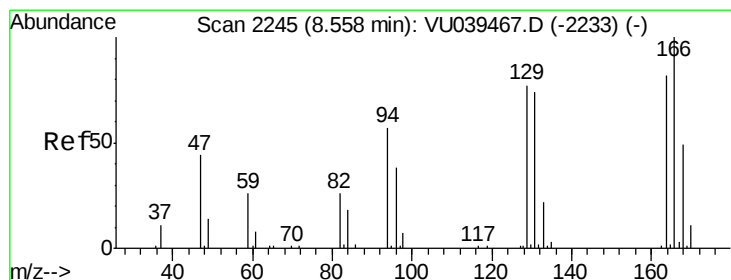
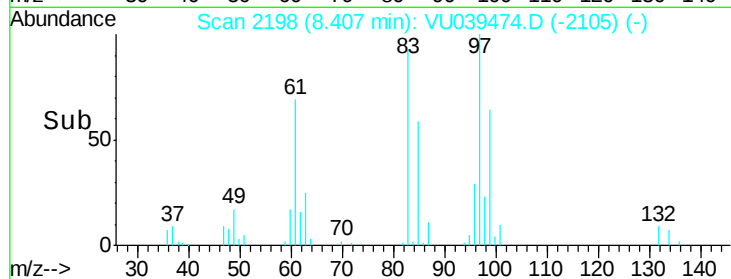
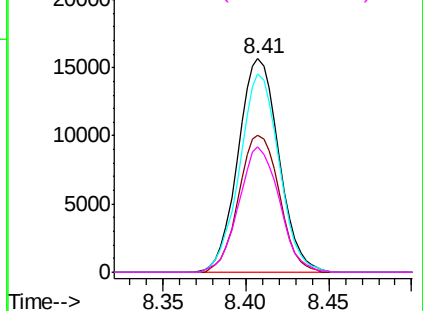
#45
1,1,2-Trichloroethane
Concen: 4.851 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tot Ion:	97	Resp:	26915
Ion	Ratio	Lower	Upper
97	100		
99	64.3	40.7	75.7
83	93.2	60.6	112.6
85	58.7	38.3	71.1

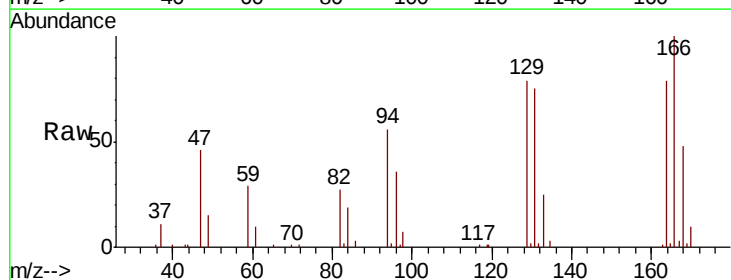


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

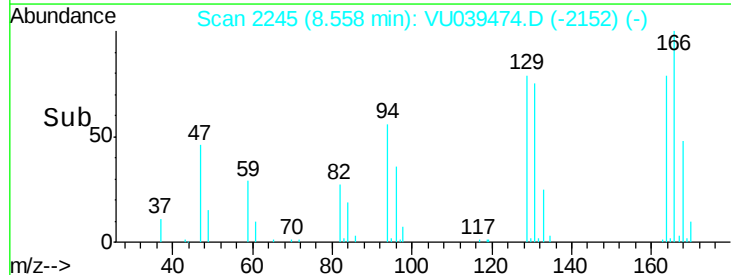
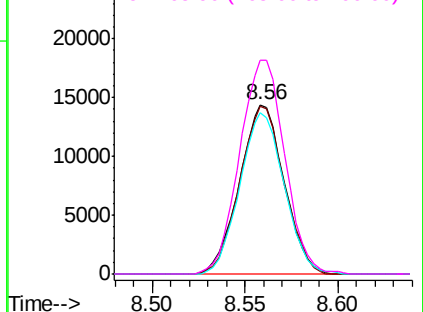


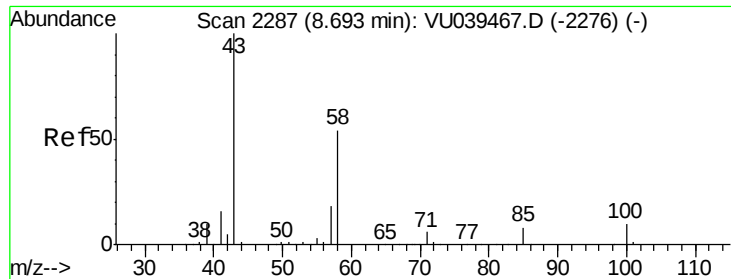
#47
Tetrachloroethene
Concen: 4.707 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43

Tgt Ion:	164	Resp:	23982
Ion	Ratio	Lower	Upper
164	100		
129	98.8	68.6	127.4
131	94.8	66.4	123.4
166	125.8	85.9	159.5



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

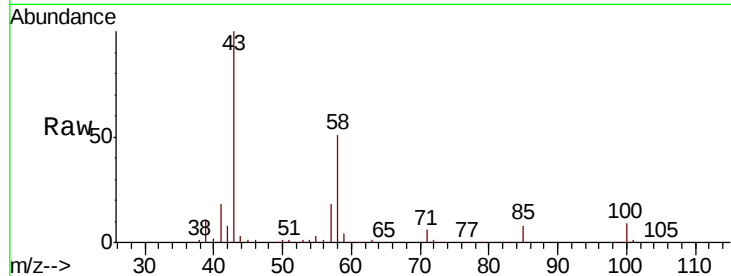




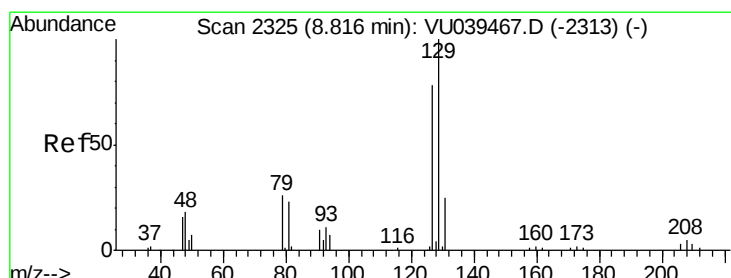
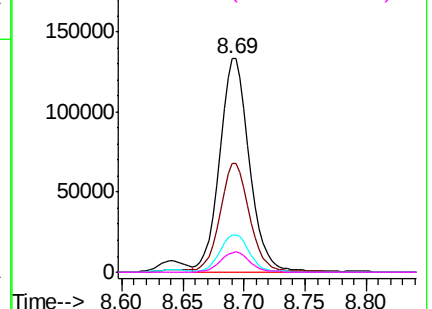
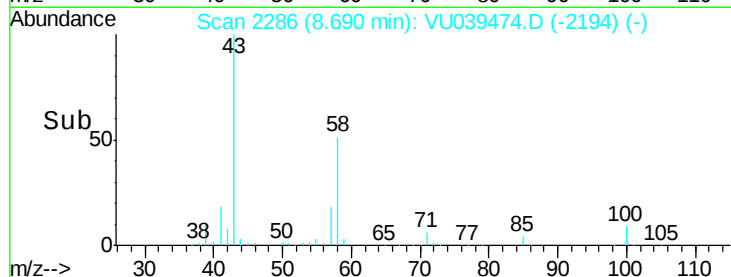
#48
2-Hexanone
Concen: 47.930 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tot Ion: 43 Resp: 227712
Ion Ratio Lower Upper
43 100
58 51.4 42.0 63.0
57 17.7 14.0 21.0
100 9.5 8.2 12.2

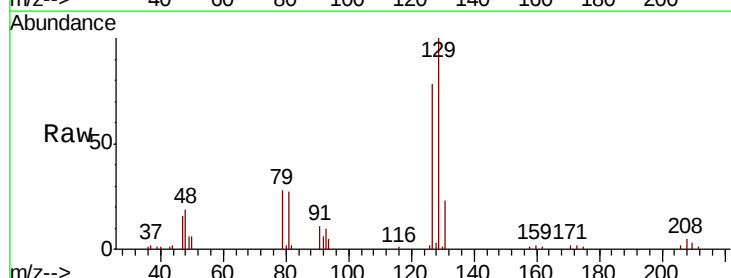


Abundance Ion 43.05 (42.75 to 43.75): VU039474.D (-2194) (-)
Ion 58.05 (57.75 to 58.75): VU039474.D (-2194) (-)
Ion 57.20 (56.90 to 57.90): VU039474.D (-2194) (-)
Ion 100.15 (99.85 to 100.85): VU039474.D (-2194) (-)

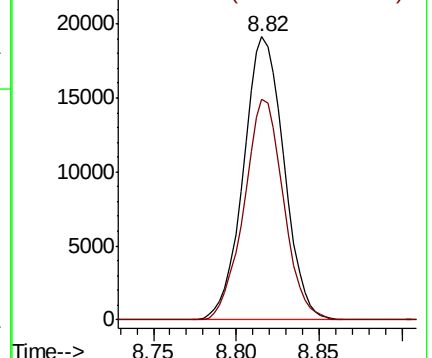
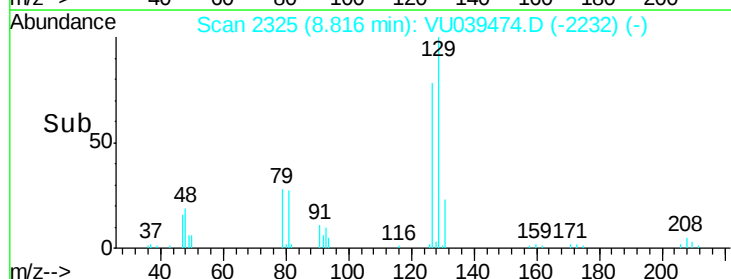


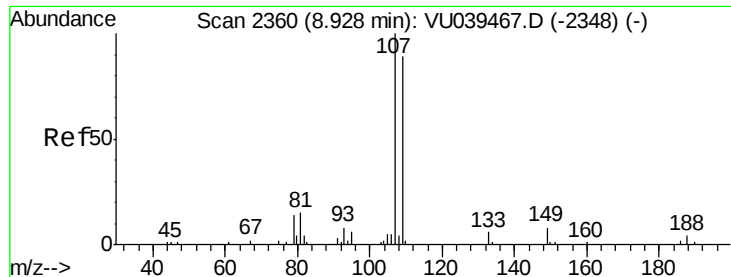
#49
Dibromochloromethane
Concen: 4.830 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43

Tgt Ion: 129 Resp: 32456
Ion Ratio Lower Upper
129 100
127 78.1 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VU039474.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU039474.D (-2232) (-)

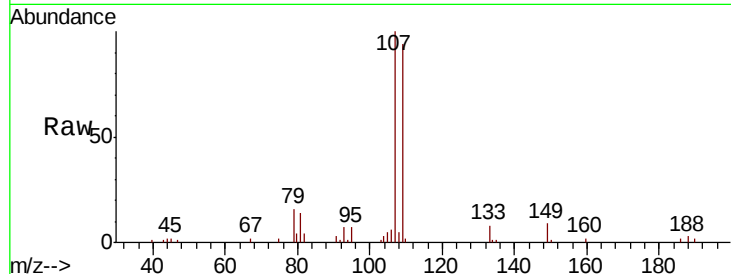




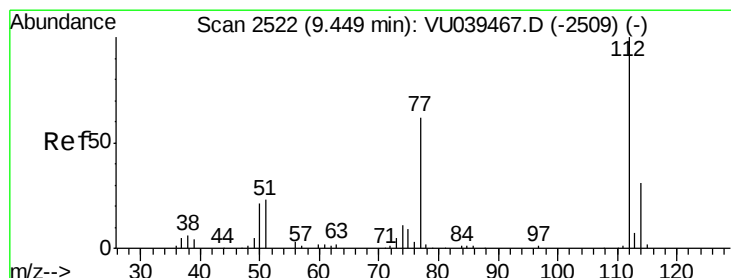
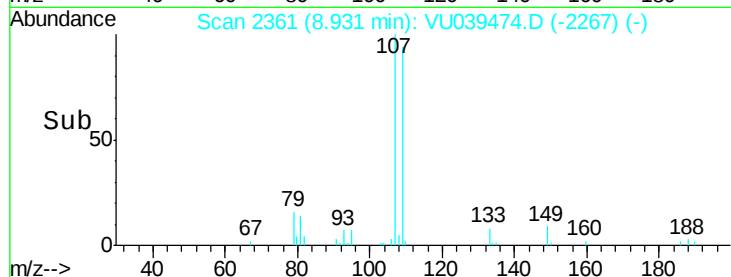
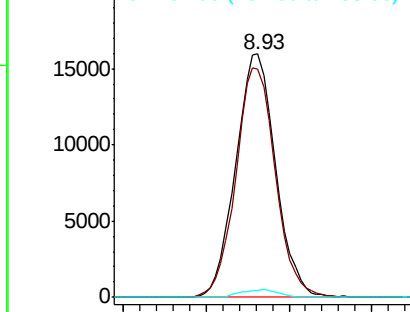
#50
 1,2-Dibromoethane
 Concen: 4.725 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	64.0	118.8
188	2.9	2.6	3.8

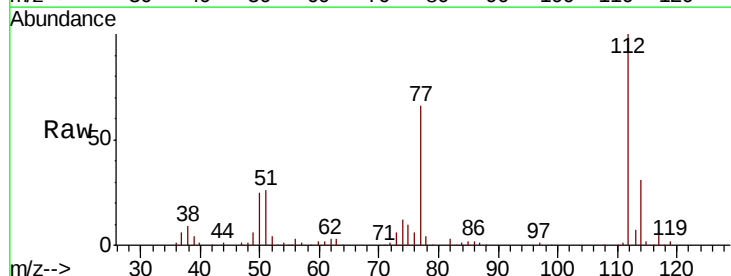


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

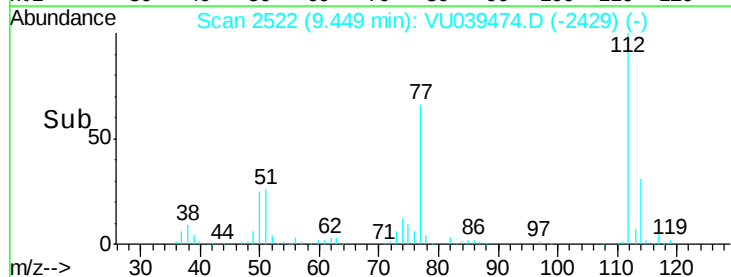
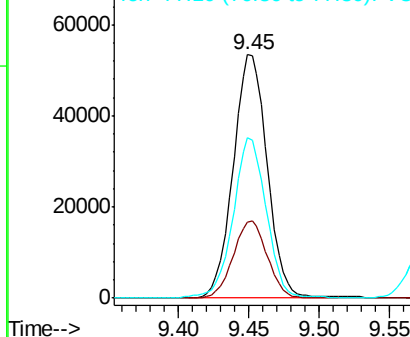


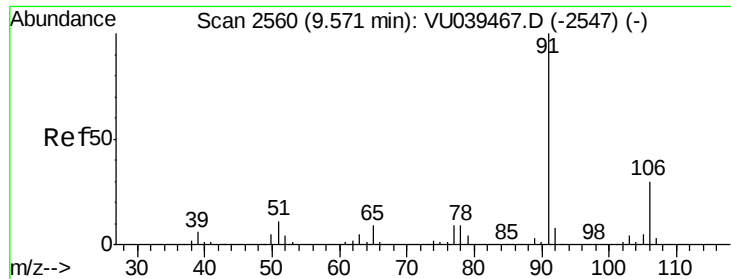
#51
 Chlorobenzene
 Concen: 4.865 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.1	41.1
77	65.7	49.9	74.9



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





#52

Ethylbenzene

Concen: 4.842 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

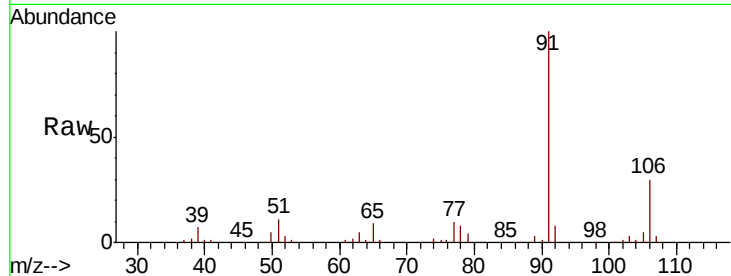
VSTD00518

Tot Ion: 91 Resp: 162350

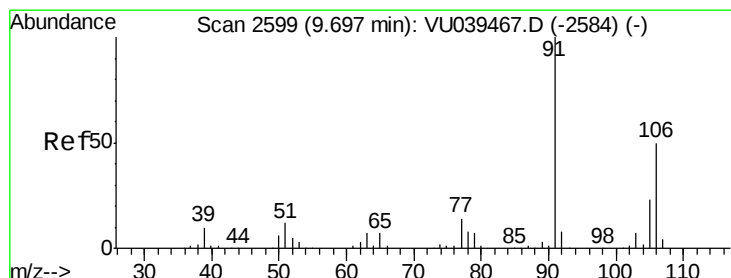
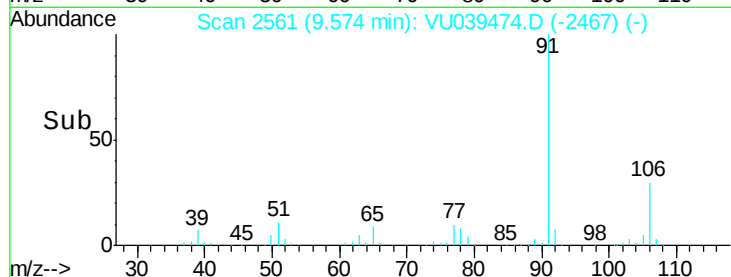
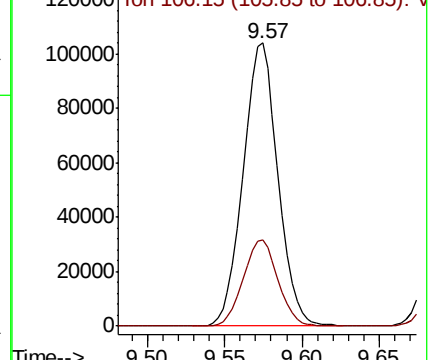
Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039474.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.748 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039474.D

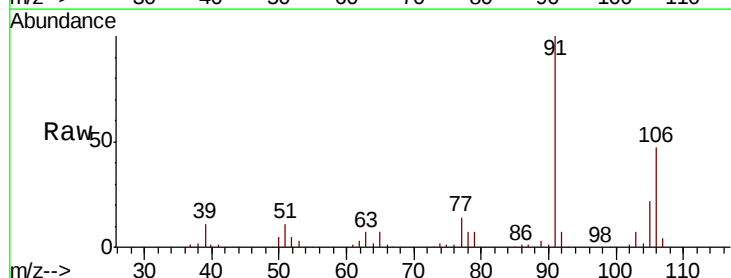
Acq: 13 Jul 2020 16:43

Tgt Ion: 106 Resp: 59984

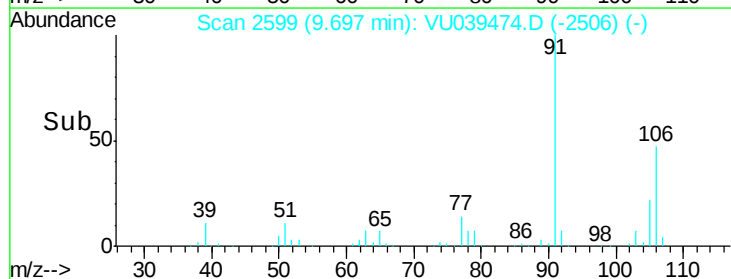
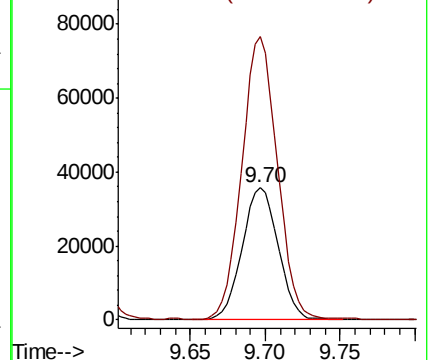
Ion Ratio Lower Upper

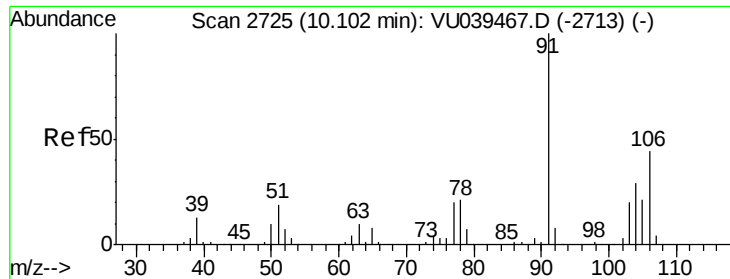
106 100

91 214.5 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039474.D (-2584) (-)

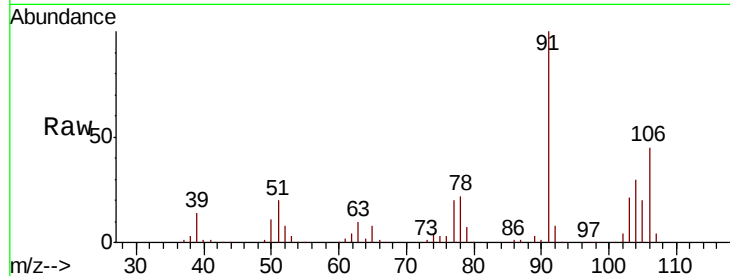




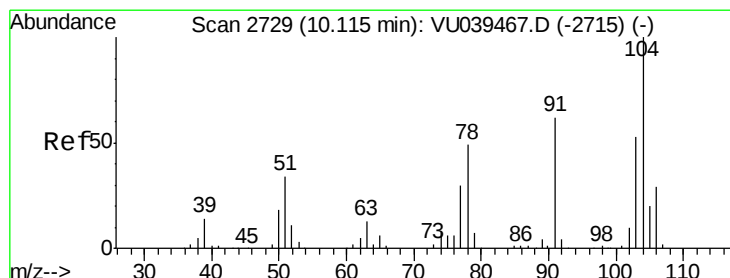
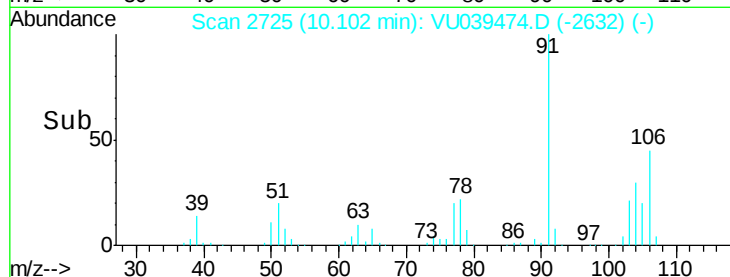
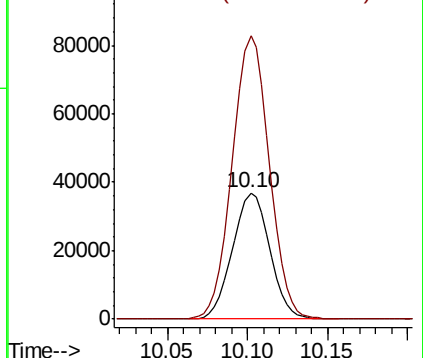
#54
o-Xylene
Concen: 4.763 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tot Ion:106 Resp: 58577
Ion Ratio Lower Upper
106 100
91 224.1 154.6 287.2

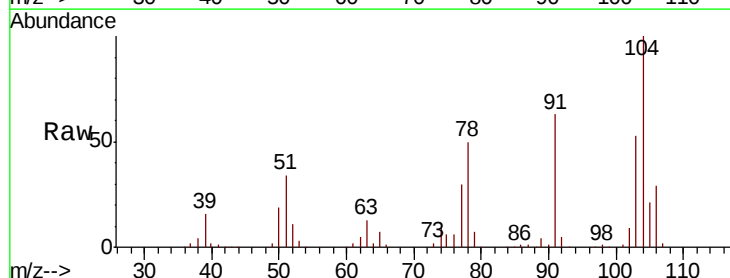


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

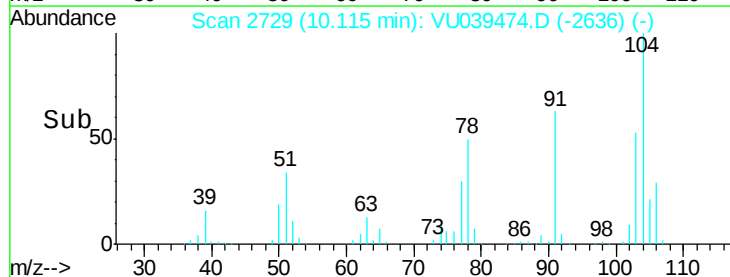
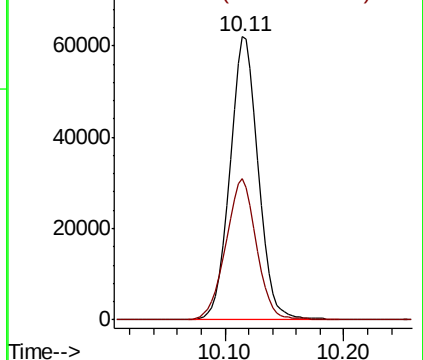


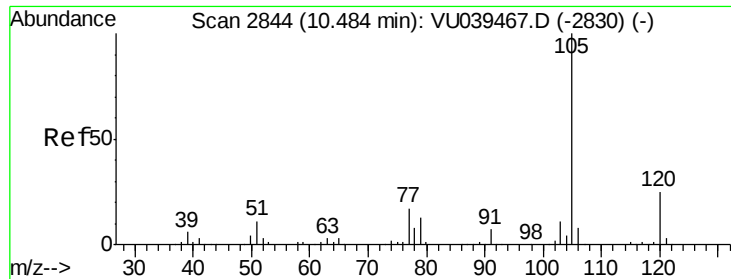
#55
Styrene
Concen: 4.767 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039474.D
Acq: 13 Jul 2020 16:43

Tgt Ion:104 Resp: 102007
Ion Ratio Lower Upper
104 100
78 49.8 33.1 61.5



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





#56

Isopropylbenzene

Concen: 4.693 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampled :

VSTD00518

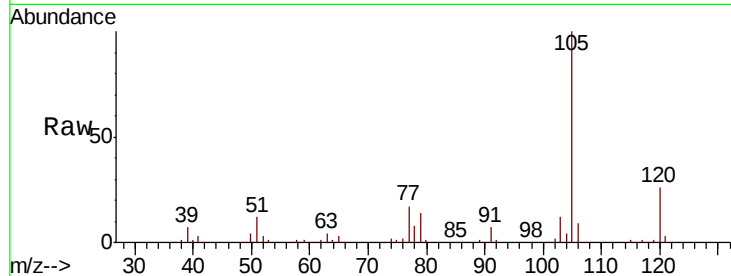
Tot Ion:105 Resp: 156123

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

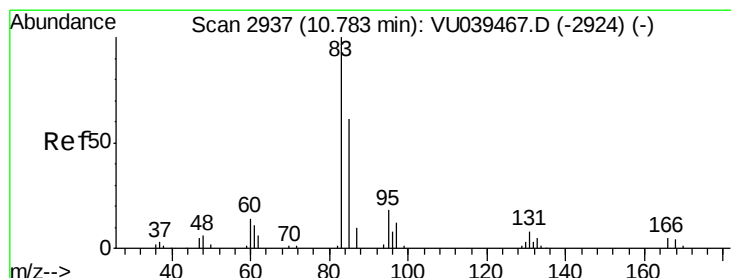
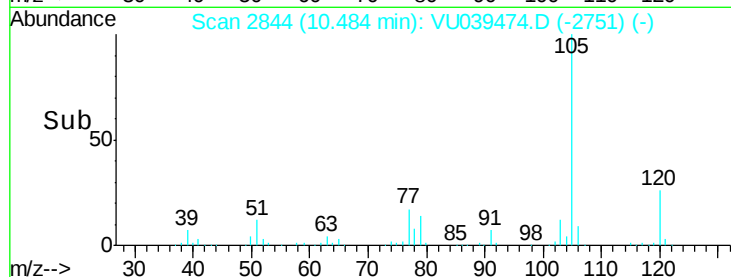
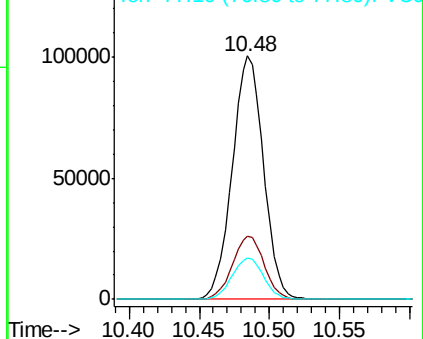
77 17.3 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.917 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

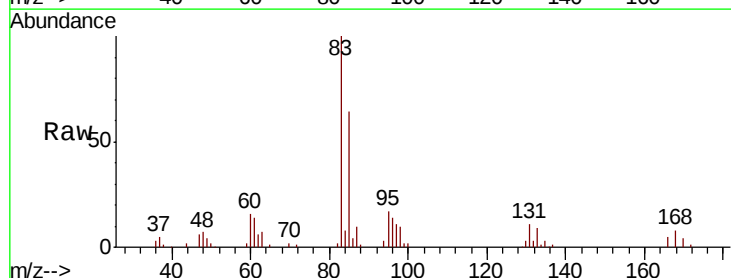
Tgt Ion: 83 Resp: 37966

Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.7

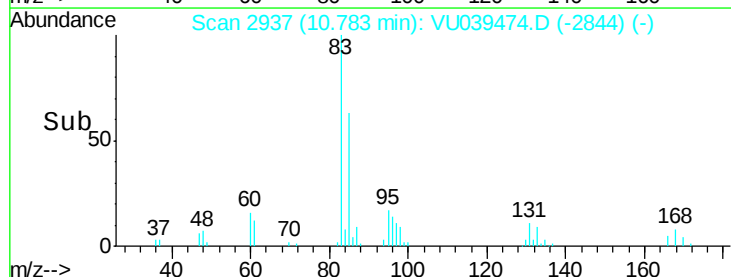
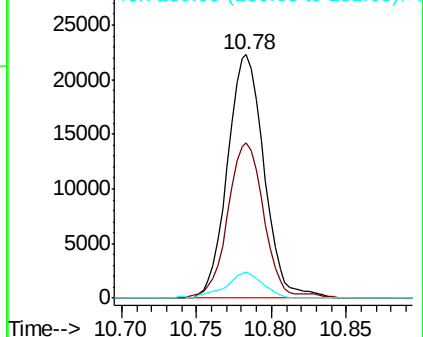
131 10.8 7.4 11.0

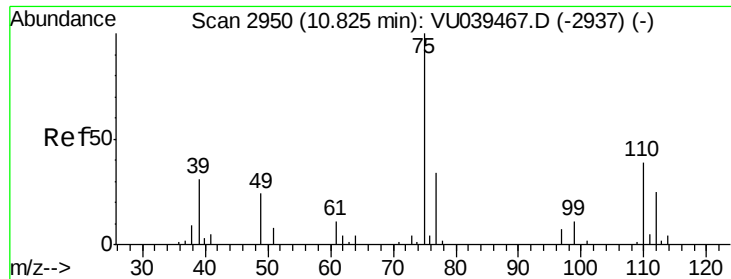


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.827 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

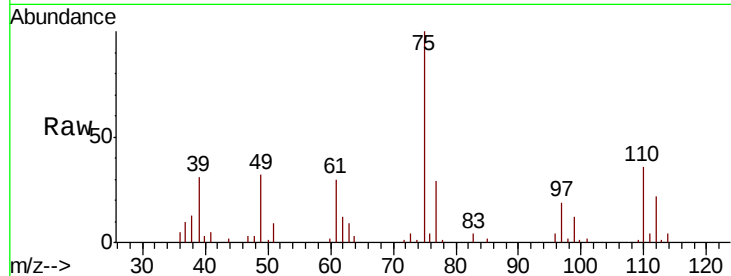
VSTD00518

Tot Ion: 75 Resp: 27477

Ion Ratio Lower Upper

75 100

77 30.1 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039467.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039467.D (-2937) (-)

10.82

15000

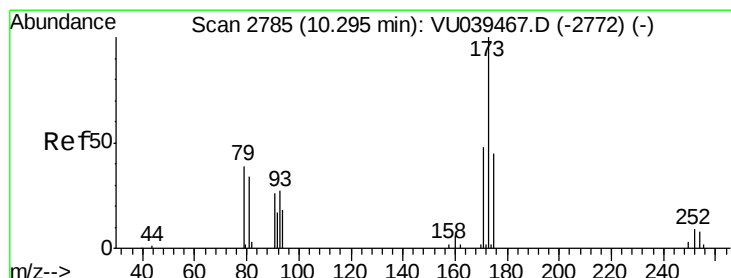
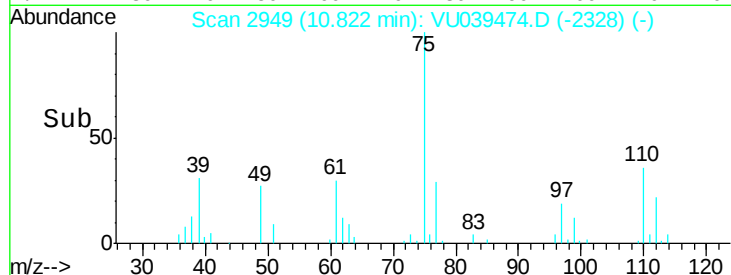
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.569 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

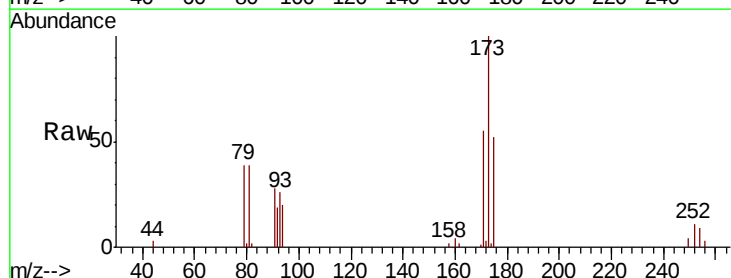
Tgt Ion: 173 Resp: 18662

Ion Ratio Lower Upper

173 100

175 50.7 37.5 56.3

254 8.7 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039467.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039467.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039467.D (-2772) (-)

10.29

15000

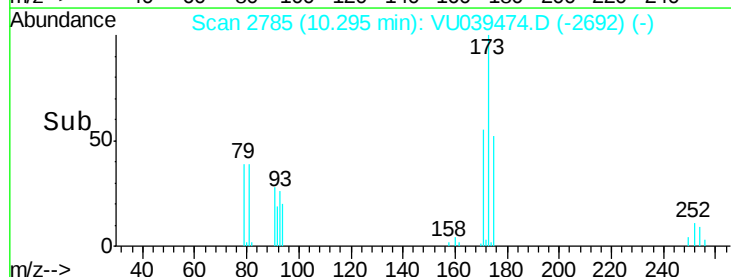
10000

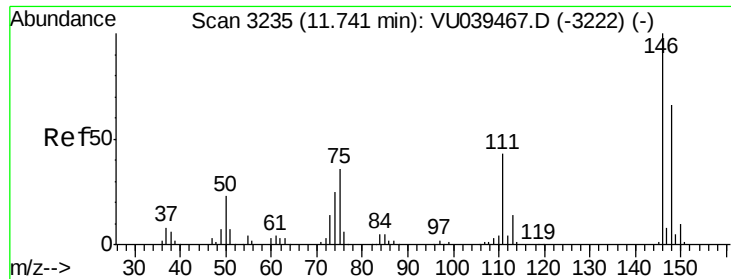
5000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 4.728 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

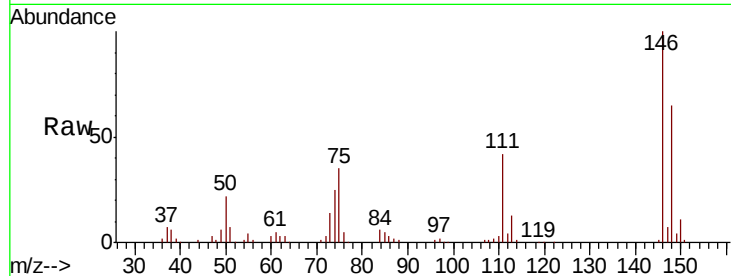
Tot Ion:146 Resp: 71805

Ion Ratio Lower Upper

146 100

111 41.9 29.0 53.8

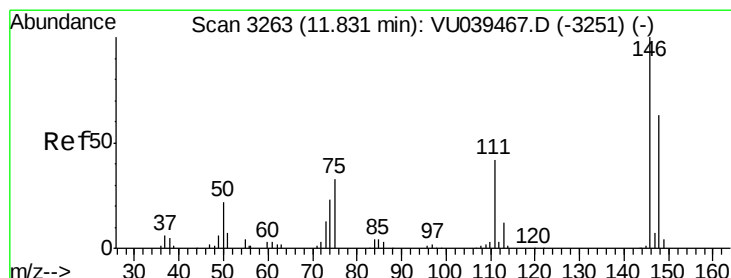
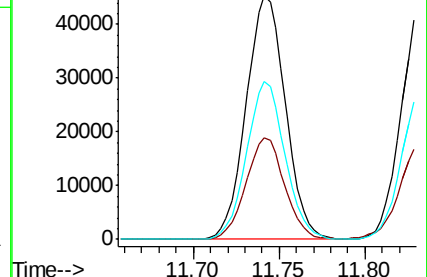
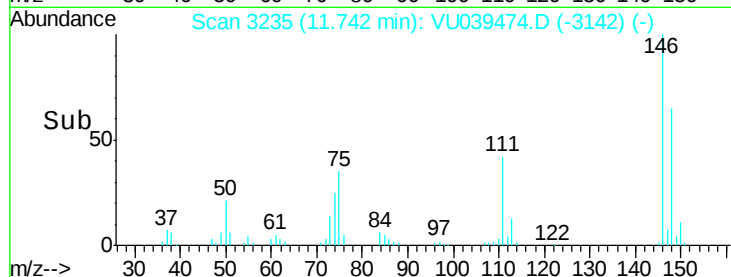
148 64.7 43.5 80.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.596 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

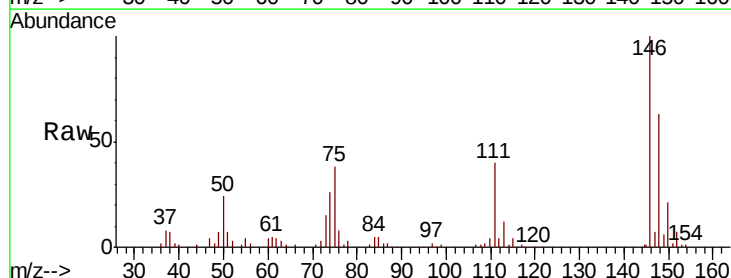
Tgt Ion:146 Resp: 70021

Ion Ratio Lower Upper

146 100

111 40.0 28.6 53.0

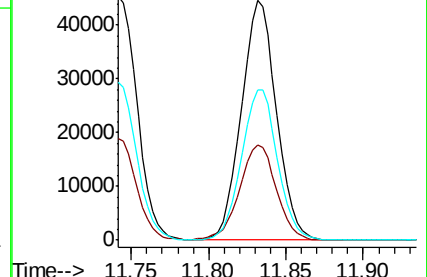
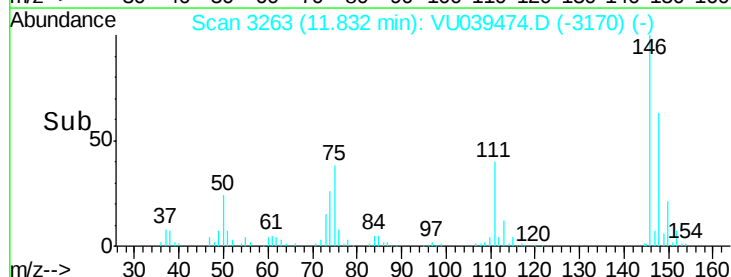
148 62.5 45.0 83.6

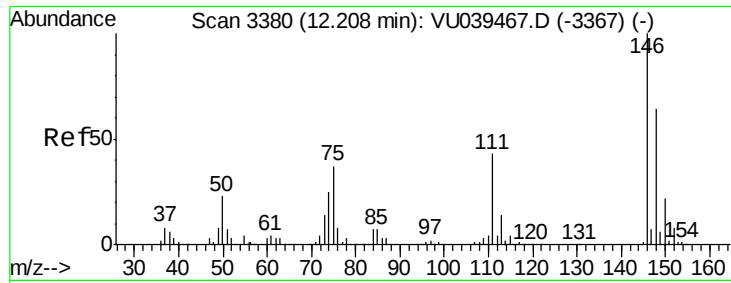


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

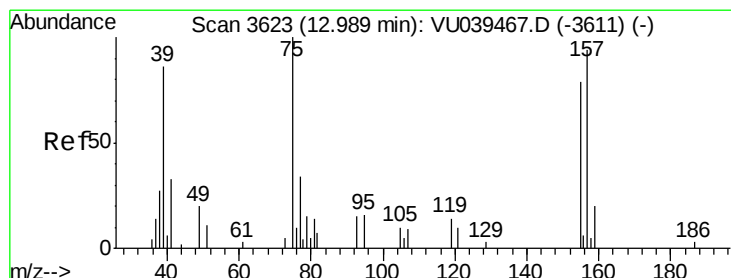
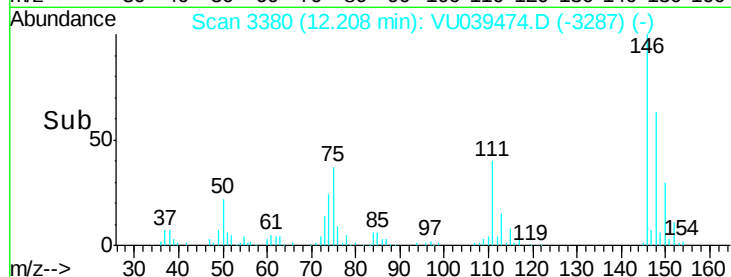
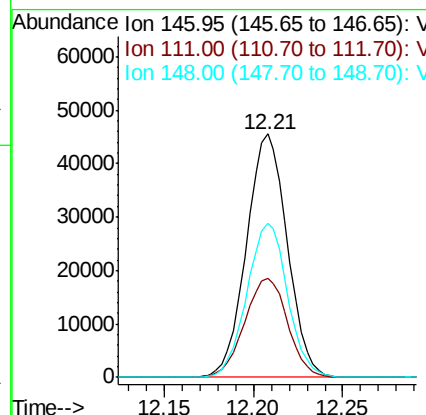
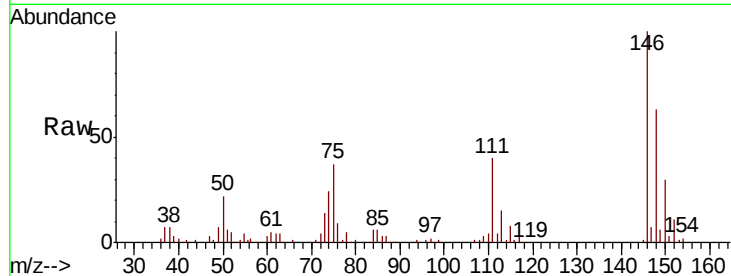




#65
 1,2-Dichlorobenzene
 Concen: 4.762 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

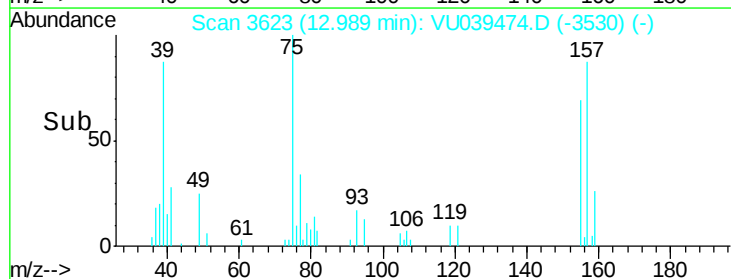
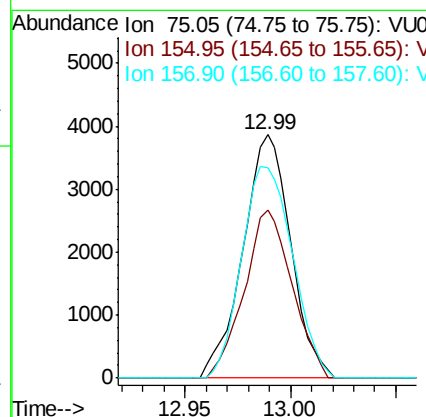
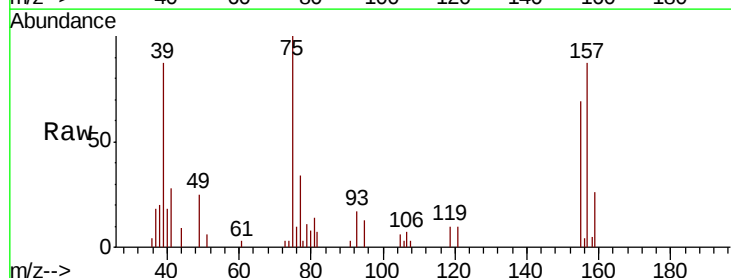
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

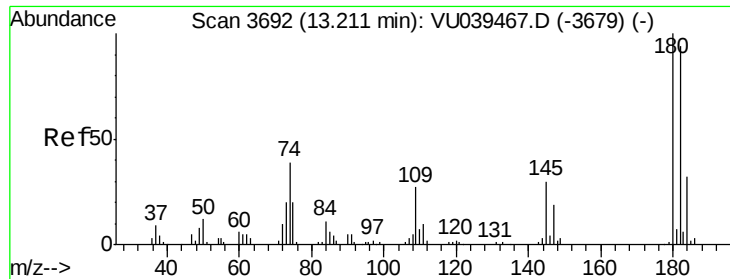
Tot Ion:146 Resp: 72506
 Ion Ratio Lower Upper
 146 100
 111 40.5 35.0 52.4
 148 63.3 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.522 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Tgt Ion: 75 Resp: 6082
 Ion Ratio Lower Upper
 75 100
 155 69.2 51.9 77.9
 157 86.6 63.2 94.8

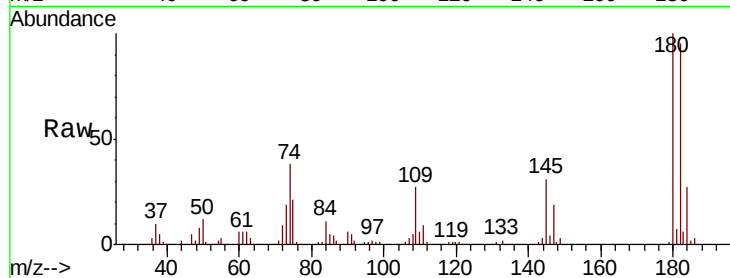




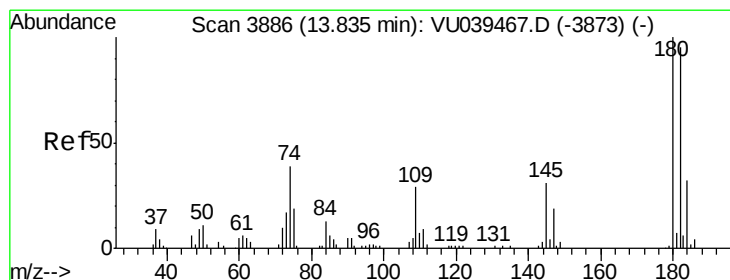
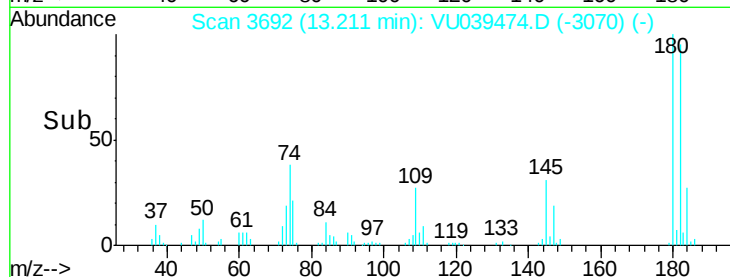
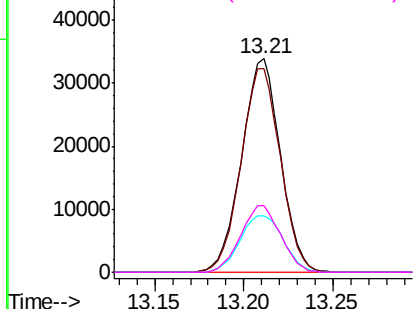
#67
 1,3,5-Trichlorobenzene
 Concen: 4.538 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tot Ion:180 Resp: 51580
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.2 114.4
 184 29.5 24.2 36.4
 145 32.0 24.2 36.2

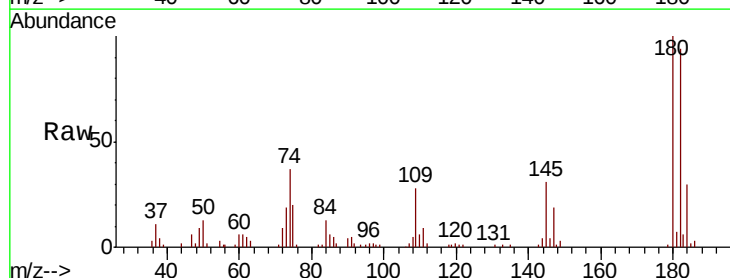


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

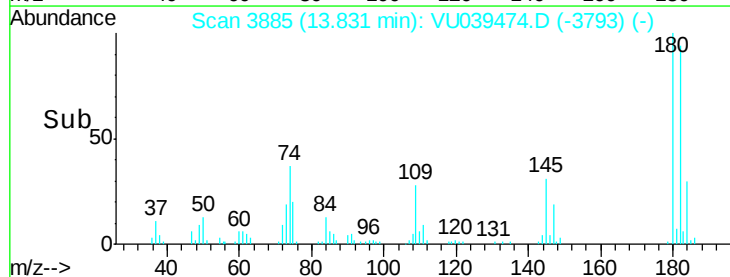
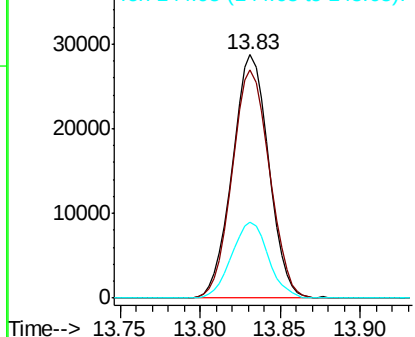


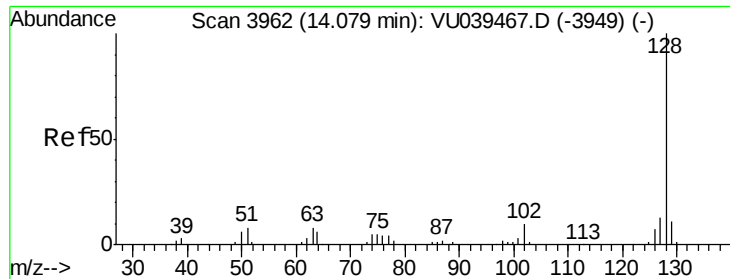
#68
 1,2,4-trichlorobenzene
 Concen: 4.556 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039474.D
 Acq: 13 Jul 2020 16:43

Tgt Ion:180 Resp: 44311
 Ion Ratio Lower Upper
 180 100
 182 96.0 79.4 119.2
 145 31.5 26.4 39.6



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





#69

Naphthalene

Concen: 4.033 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

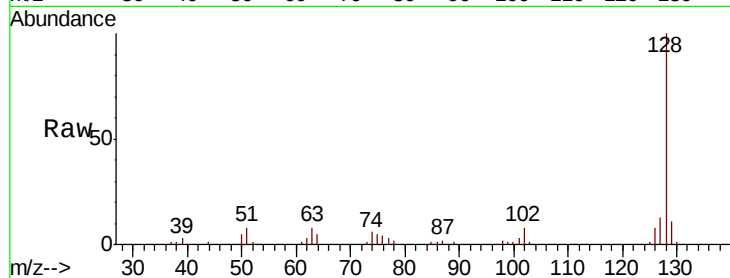
Tot Ion:128 Resp: 78926

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

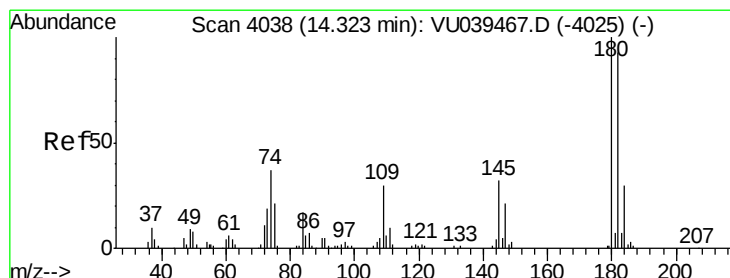
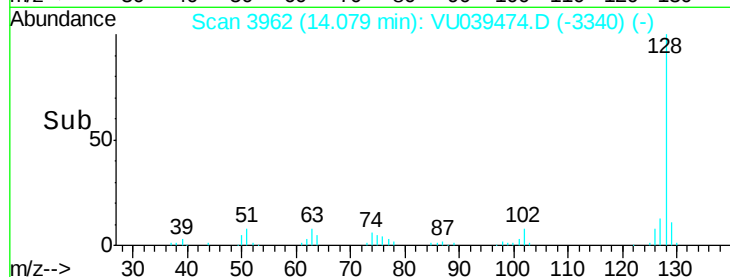
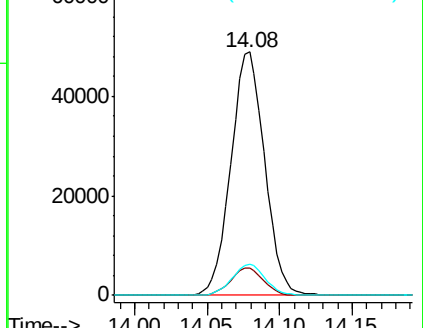
127 12.6 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.548 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039474.D

Acq: 13 Jul 2020 16:43

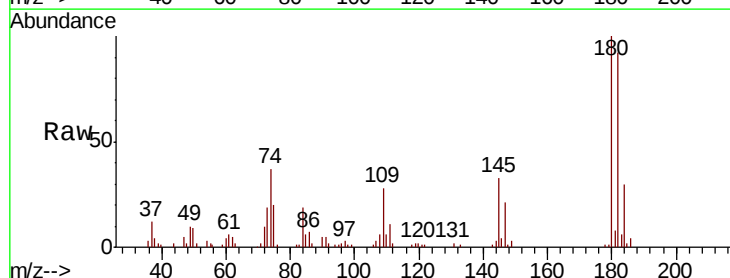
Tgt Ion:180 Resp: 40988

Ion Ratio Lower Upper

180 100

182 93.7 74.2 111.2

145 33.8 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

