

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082718\
 Data File : VU026399.D
 Acq On : 27 Aug 2018 15:39
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05058

Quant Time: Aug 28 03:52:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 27 13:46:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	333417	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	325601	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	174981	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	97294	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.68%
7) Chloroethane-d5	1.68	69	82595	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.62%
11) 1,1-Dichloroethene-d2	2.27	63	190728	47.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.44%
21) 2-Butanone-d5	4.17	46	158045	97.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.37%
24) Chloroform-d	4.65	84	223387	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.56%
26) 1,2-Dichloroethane-d4	5.31	65	144523	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
32) Benzene-d6	5.34	84	427499	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
36) 1,2-Dichloropropane-d6	6.33	67	135077	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.60%
41) Toluene-d8	7.57	98	414141	49.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.48%
43) trans-1,3-Dichloropropene-	7.85	79	68548	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.88%
47) 2-Hexanone-d5	8.31	63	122619	102.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	196654	47.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	178557	48.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.18%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	115830	44.243 ug/L	99
3) Chloromethane	1.33	50	110528	45.791 ug/L	98
5) Vinyl chloride	1.40	62	106304	43.712 ug/L	100
6) Bromomethane	1.63	94	64858	42.892 ug/L	99
8) Chloroethane	1.70	64	64889	46.528 ug/L	99
9) Trichlorofluoromethane	1.89	101	166117	48.227 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	90179	47.182 ug/L	100
12) 1,1-Dichloroethene	2.28	96	79936	45.552 ug/L	96
13) Acetone	2.32	43	94733	75.415 ug/L	99
14) Carbon disulfide	2.48	76	284397	42.244 ug/L	100
15) Methyl Acetate	2.62	43	110447	45.687 ug/L	97
16) Methylene chloride	2.70	84	108903	46.115 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	97155	44.916 ug/L	96
18) Methyl tert-butyl Ether	3.00	73	298942	46.134 ug/L	99
19) 1,1-Dichloroethane	3.45	63	183138	46.494 ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	111961	46.894 ug/L	98
22) 2-Butanone	4.26	43	146942	87.433 ug/L	99

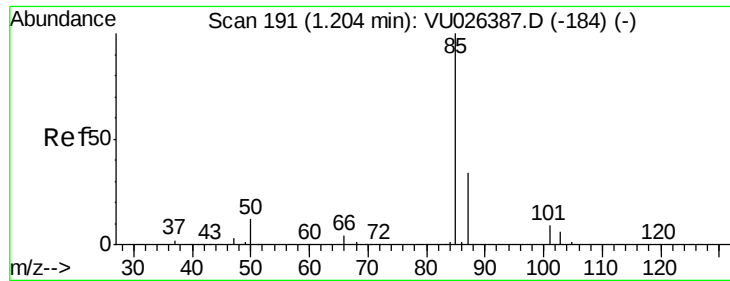
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082718\
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 Quant Title : VOC Analysis
 QLast Update : Mon Aug 27 13:46:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	59749	46.794	ug/L	95
25) Chloroform	4.67	83	194705	46.303	ug/L	100
27) 1,2-Dichloroethane	5.41	62	151378	45.191	ug/L	99
29) Cyclohexane	5.00	56	147194	44.081	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	175947	46.509	ug/L	99
31) Carbon tetrachloride	5.14	117	162725	45.752	ug/L	100
33) Benzene	5.39	78	404866	45.610	ug/L	100
34) Trichloroethene	6.19	95	106613	45.420	ug/L	97
35) Methylcyclohexane	6.42	83	158935	44.279	ug/L	98
37) 1,2-Dichloropropane	6.43	63	111374	45.909	ug/L	100
38) Bromodichloromethane	6.76	83	148870	45.893	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	166391	45.155	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	270173	87.873	ug/L	98
42) Toluene	7.64	91	441680	46.764	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	163121	46.007	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	108201	47.214	ug/L	98
46) Tetrachloroethene	8.23	164	91969	45.535	ug/L	97
48) 2-Hexanone	8.36	43	215107	86.933	ug/L	97
49) Dibromochloromethane	8.48	129	130154	46.212	ug/L	100
50) 1,2-Dibromoethane	8.59	107	115431	45.635	ug/L	98
51) Chlorobenzene	9.12	112	290243	44.929	ug/L	100
52) Ethylbenzene	9.25	91	478405	46.503	ug/L	100
53) m,p-Xylene	9.38	106	186944	47.015	ug/L	96
54) o-xylene	9.78	106	181358	46.760	ug/L	98
55) Styrene	9.80	104	320220	48.368	ug/L	98
56) Isopropylbenzene	10.17	105	471823	46.893	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	176299	45.454	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	134045	44.322	ug/L	98
61) Bromoform	9.96	173	99382	45.848	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	232690	45.112	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	247341	45.382	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	248924	45.882	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	38708	42.709	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	181238	44.762	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	157744	44.630	ug/L	99
69) Naphthalene	13.74	128	481833	45.760	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	171791	45.619	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.243 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

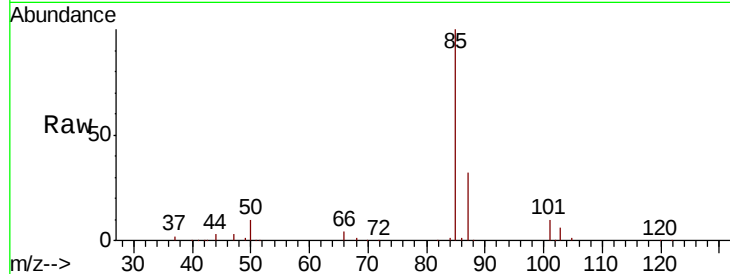
VSTD05058

Tgt Ion: 85 Resp: 115830

Ion Ratio Lower Upper

85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU026387.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU026387.D (-184) (-)

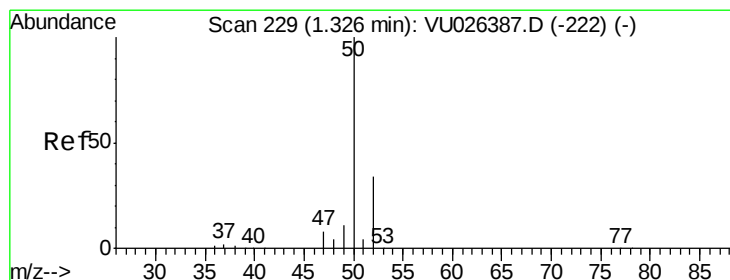
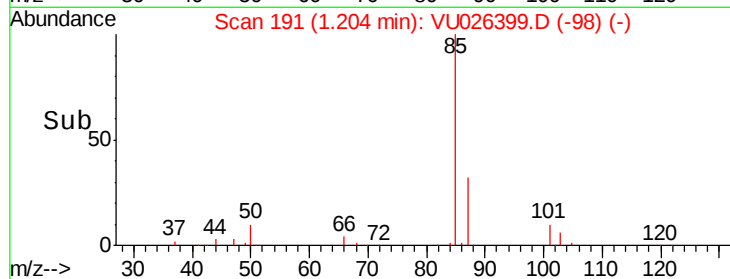
1.20

100000

50000

0

Time-->



#3

Chloromethane

Concen: 45.791 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026399.D

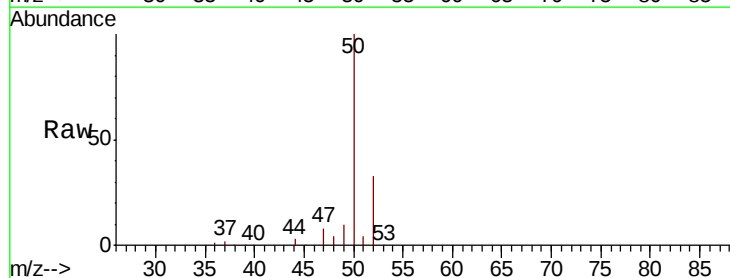
Acq: 27 Aug 2018 15:39

Tgt Ion: 50 Resp: 110528

Ion Ratio Lower Upper

50 100

52 33.4 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU026387.D (-222) (-)

Ion 52.00 (51.70 to 52.70): VU026387.D (-222) (-)

1.33

120000

100000

80000

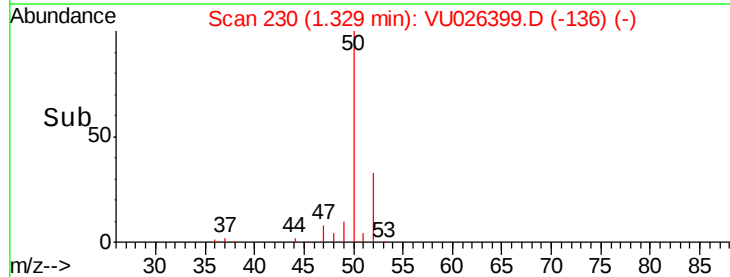
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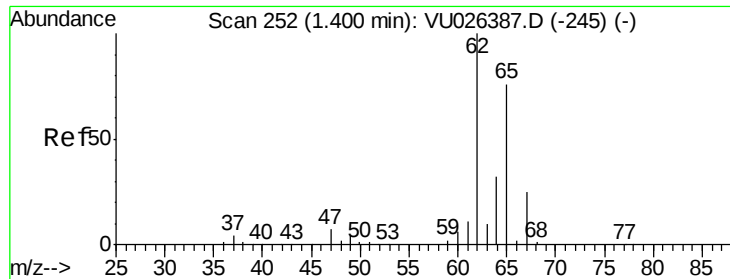
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 43.712 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

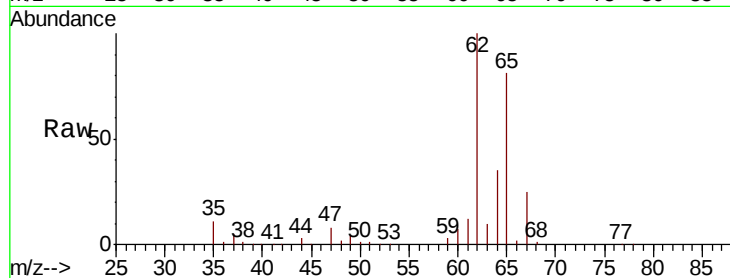
VSTD05058

Tgt Ion: 62 Resp: 106304

Ion Ratio Lower Upper

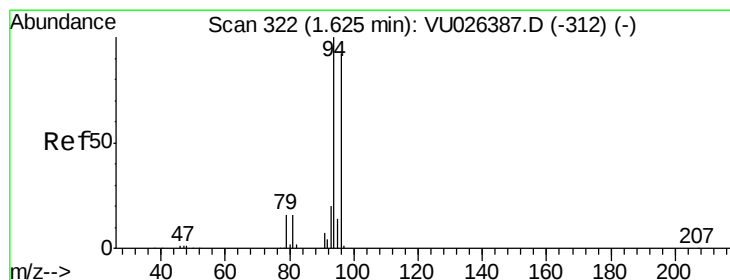
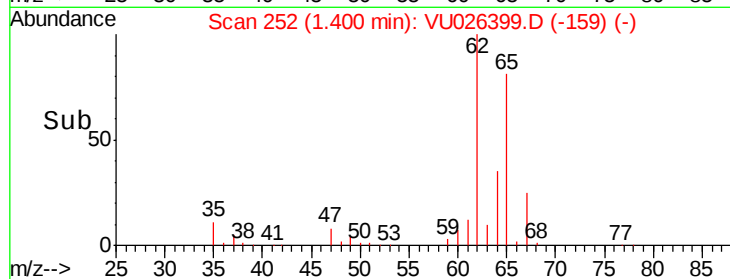
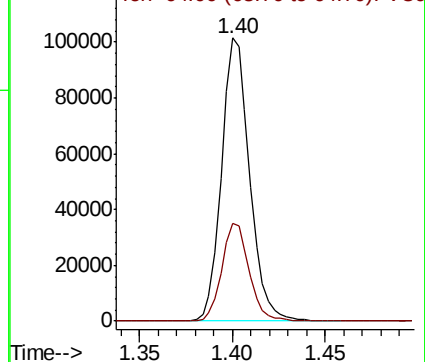
62 100

64 34.8 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 42.892 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU026399.D

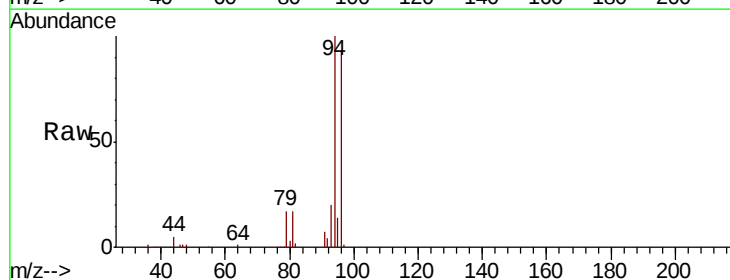
Acq: 27 Aug 2018 15:39

Tgt Ion: 94 Resp: 64858

Ion Ratio Lower Upper

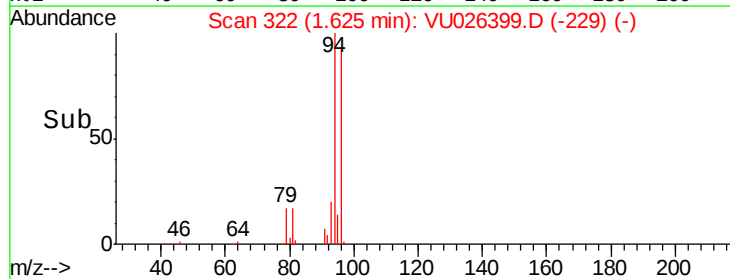
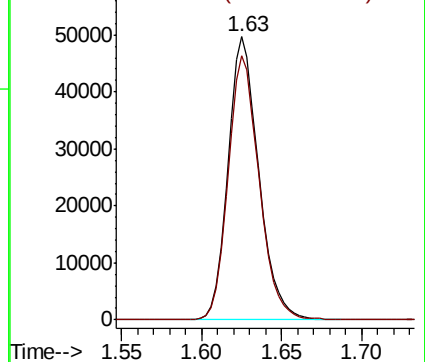
94 100

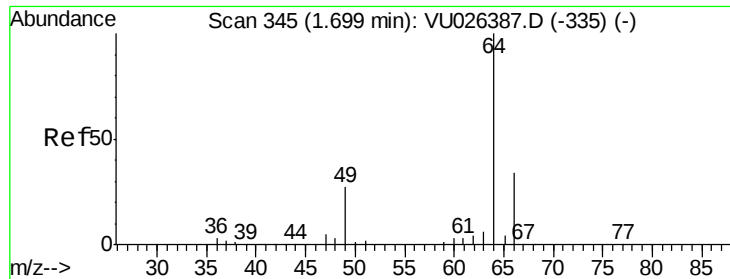
96 93.3 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

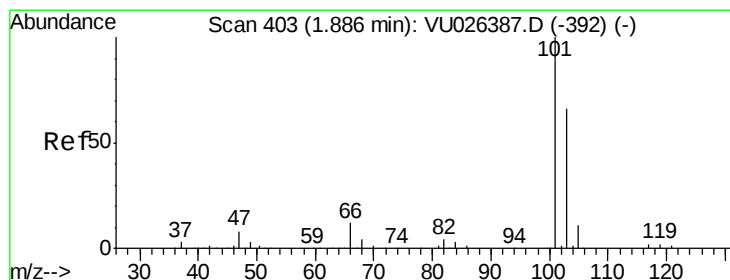
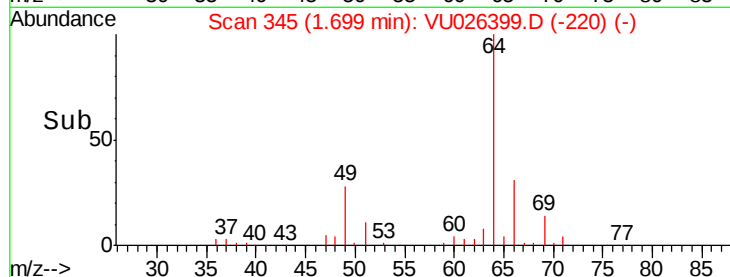
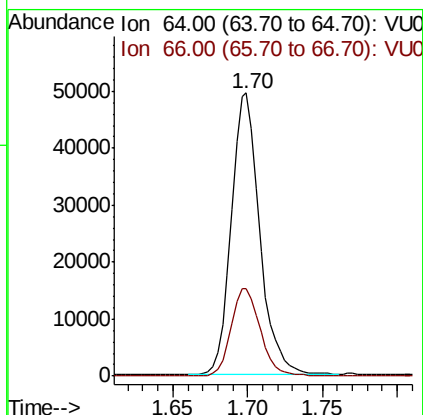
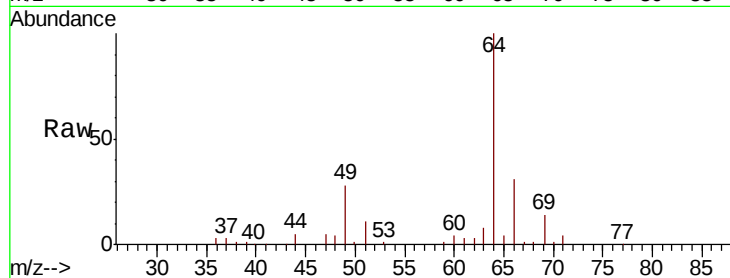




#8
Chloroethane
Concen: 46.528 ug/L
RT: 1.70 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

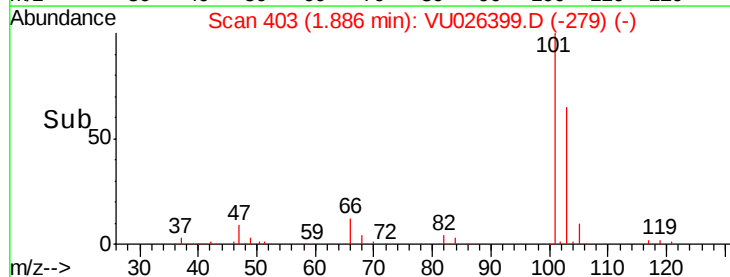
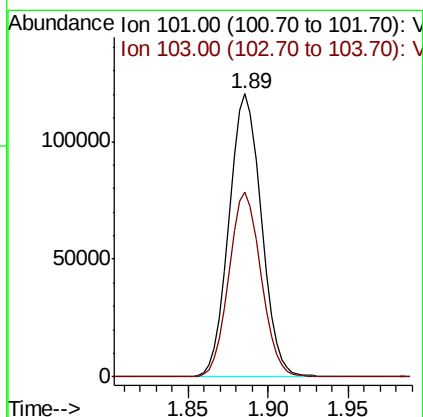
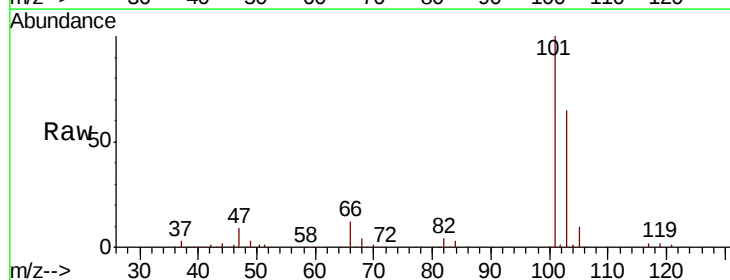
Instrument :
MSVOA_W
ClientSampleId :
VSTD05058

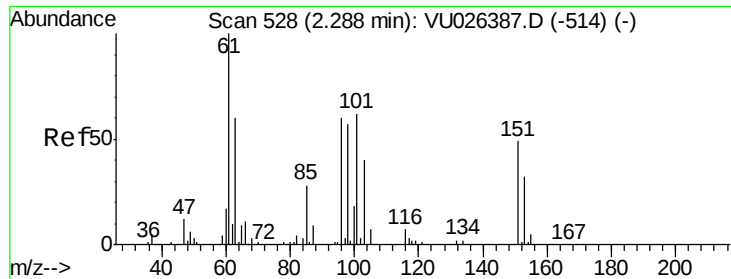
Tgt Ion: 64 Resp: 64889
Ion Ratio Lower Upper
64 100
66 30.9 21.9 40.7



#9
Trichlorofluoromethane
Concen: 48.227 ug/L
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

Tgt Ion: 101 Resp: 166117
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5





#10

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

Concen: 47.182 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD05058

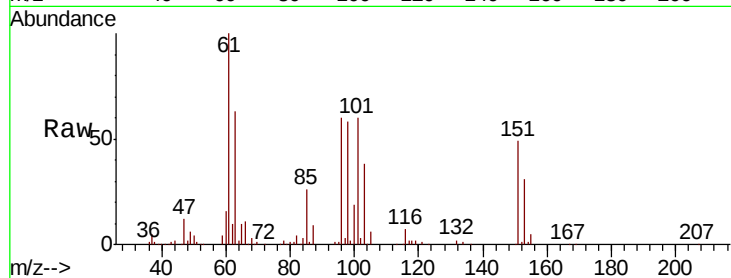
Tgt Ion: 101 Resp: 90179

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

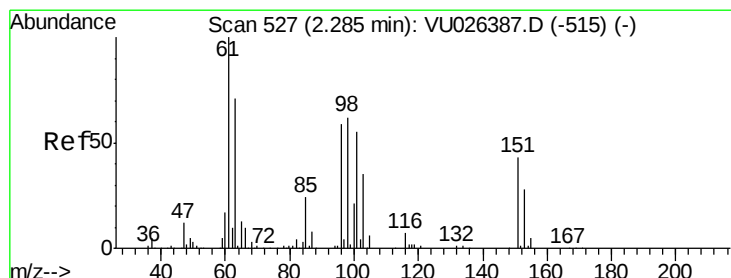
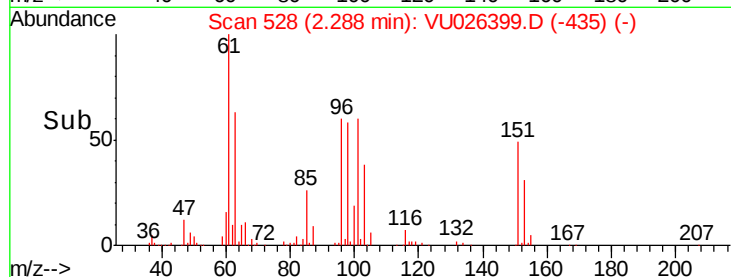
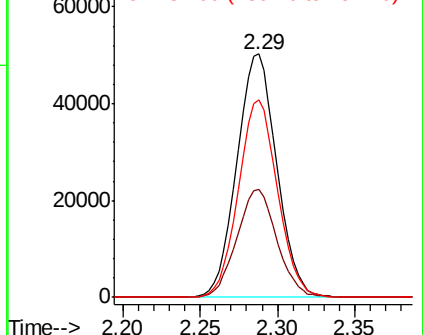
151 79.7 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 45.552 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

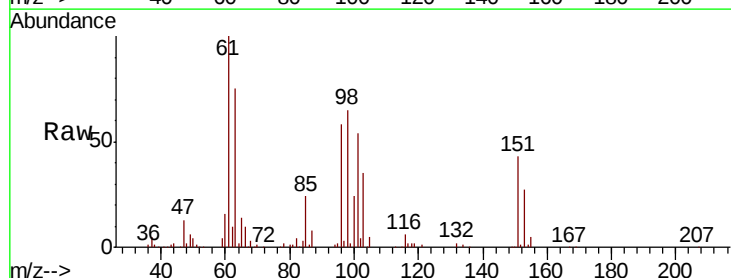
Tgt Ion: 96 Resp: 79936

Ion Ratio Lower Upper

96 100

61 173.0 124.7 231.5

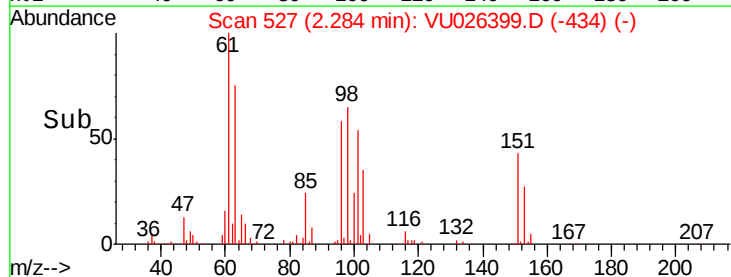
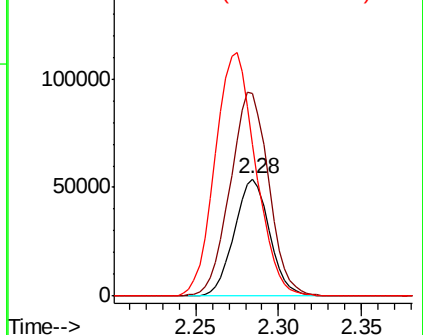
63 129.2 93.7 174.1

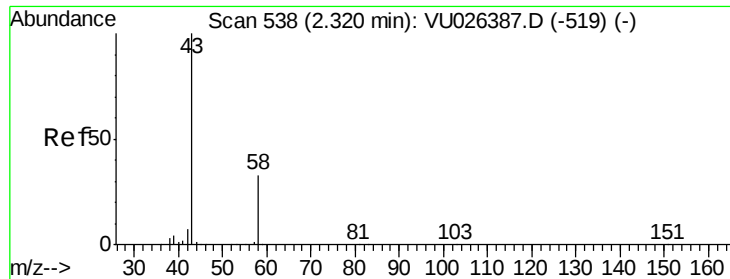


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 75.415 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

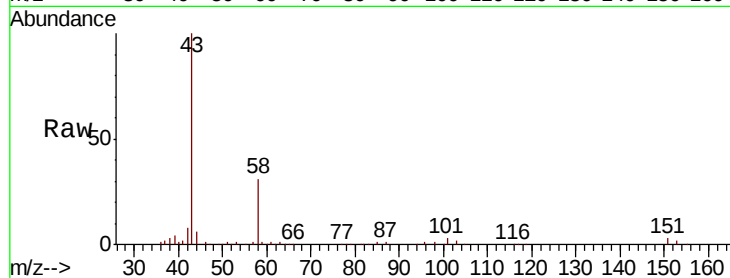
VSTD05058

Tgt Ion: 43 Resp: 94733

Ion Ratio Lower Upper

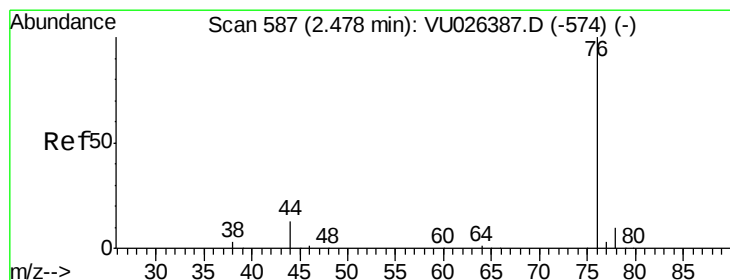
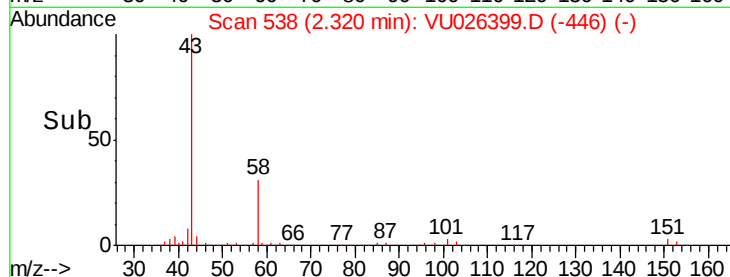
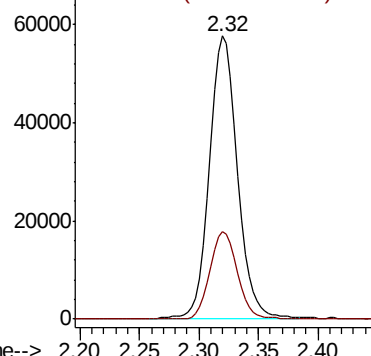
43 100

58 30.2 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU026387.D

Ion 58.00 (57.70 to 58.70): VU026387.D



#14

Carbon disulfide

Concen: 42.244 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026399.D

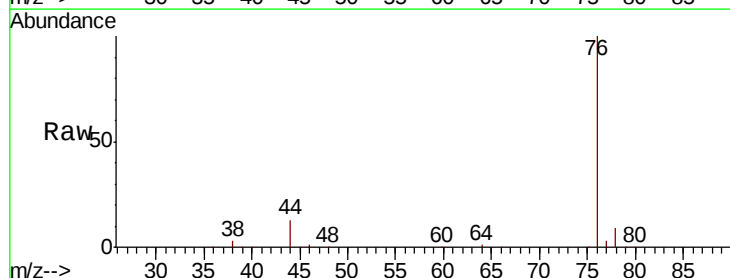
Acq: 27 Aug 2018 15:39

Tgt Ion: 76 Resp: 284397

Ion Ratio Lower Upper

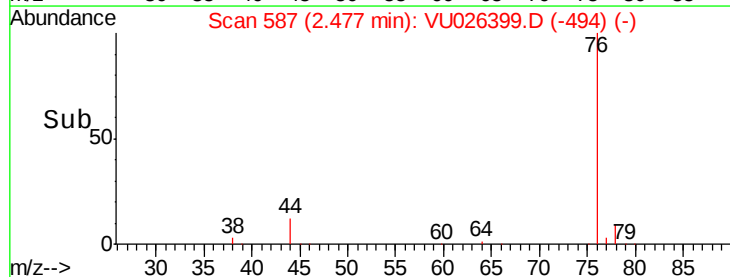
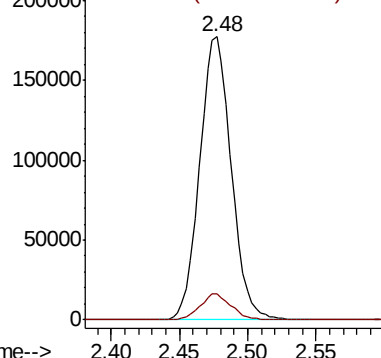
76 100

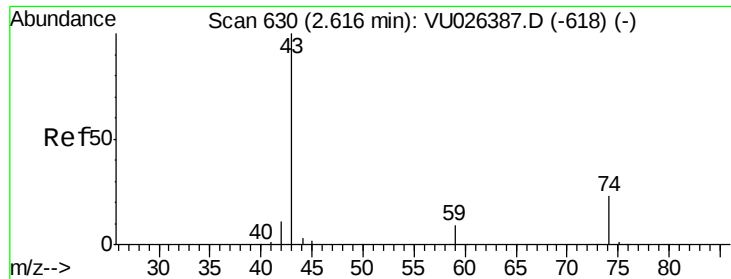
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU026387.D

Ion 78.00 (77.70 to 78.70): VU026387.D

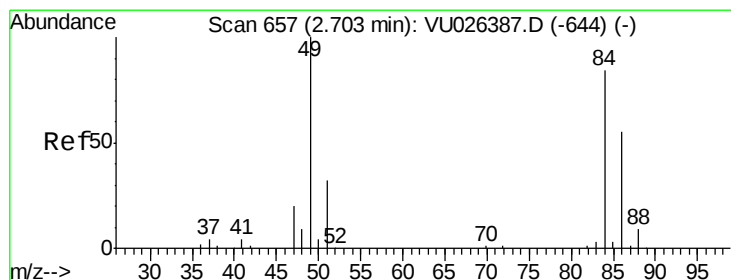
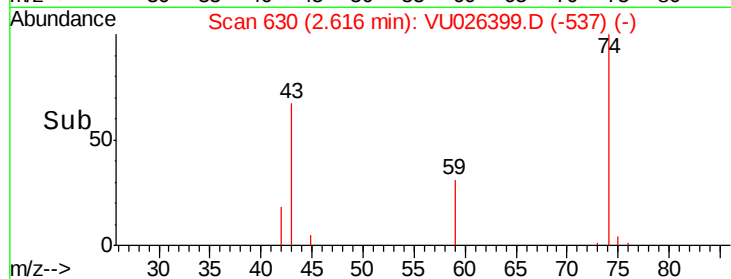
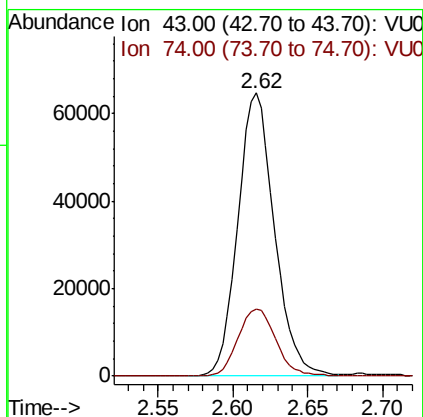
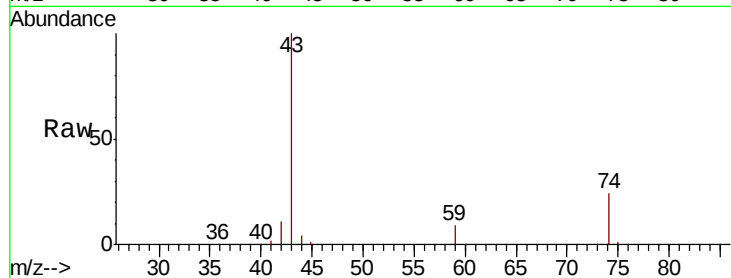




#15
Methyl Acetate
Concen: 45.687 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

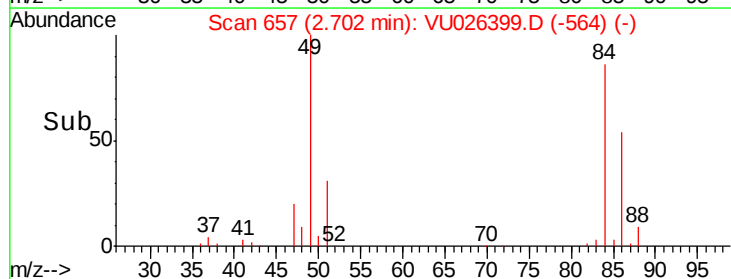
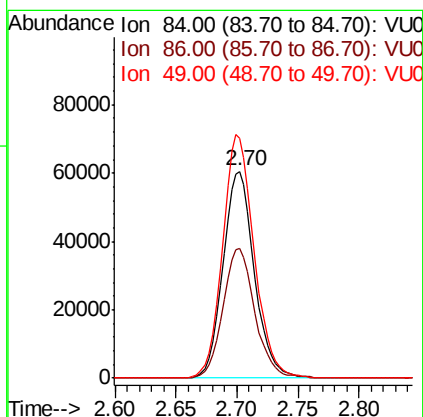
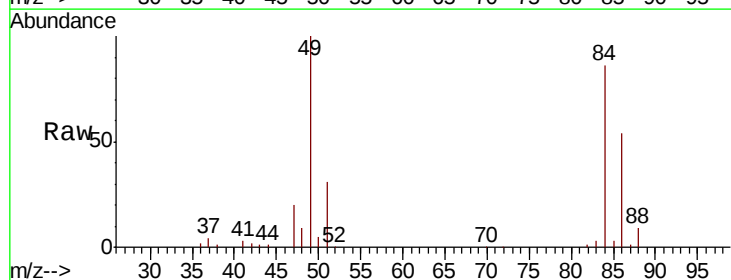
Instrument :
MSVOA_W
ClientSampleId :
VSTD05058

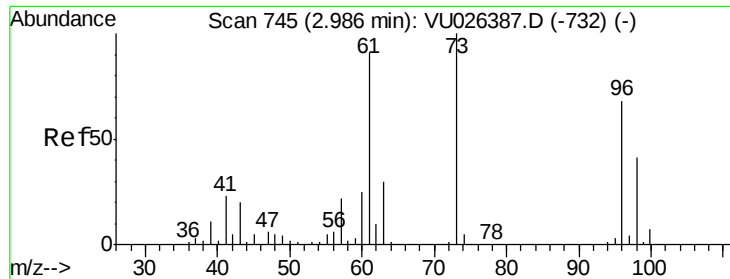
Tgt Ion: 43 Resp: 110447
Ion Ratio Lower Upper
43 100
74 24.5 18.6 27.8



#16
Methylene chloride
Concen: 46.115 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

Tgt Ion: 84 Resp: 108903
Ion Ratio Lower Upper
84 100
86 62.6 45.4 84.4
49 116.3 85.3 158.5

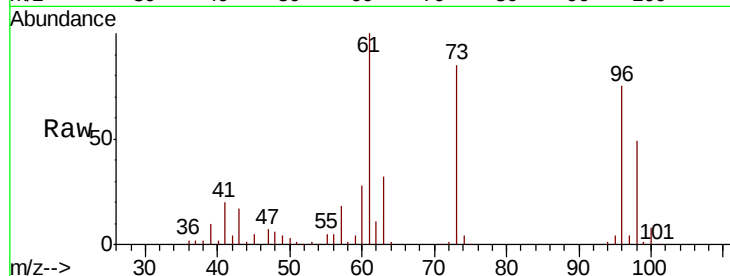




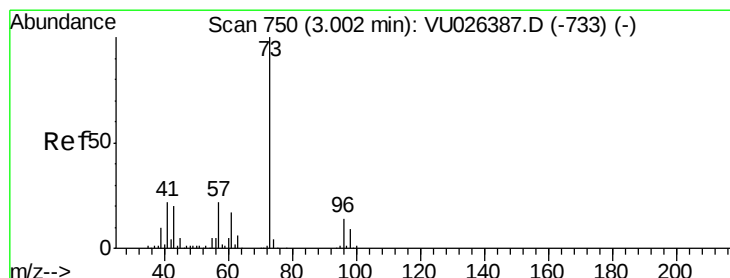
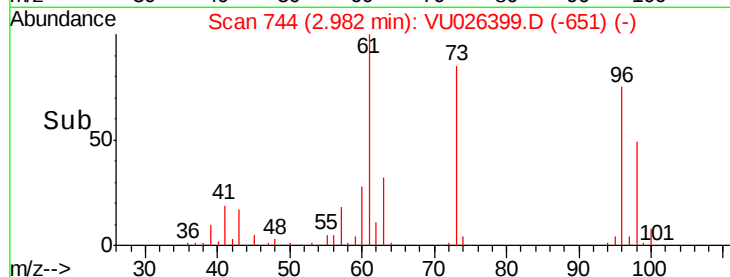
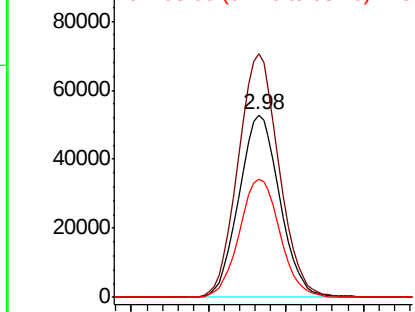
#17
 trans-1,2-Dichloroethene
 Concen: 44.916 ug/L
 RT: 2.98 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05058

Tgt Ion: 96 Resp: 97155
 Ion Ratio Lower Upper
 96 100
 61 133.3 97.9 181.9
 98 64.9 45.1 83.7

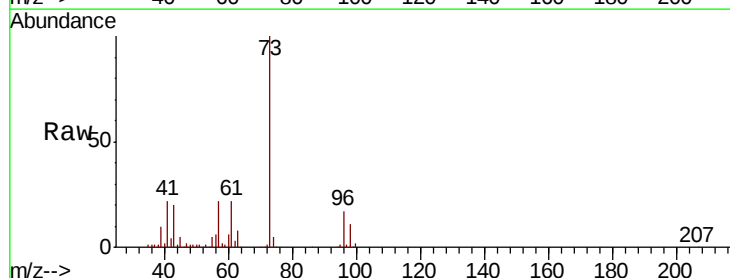


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

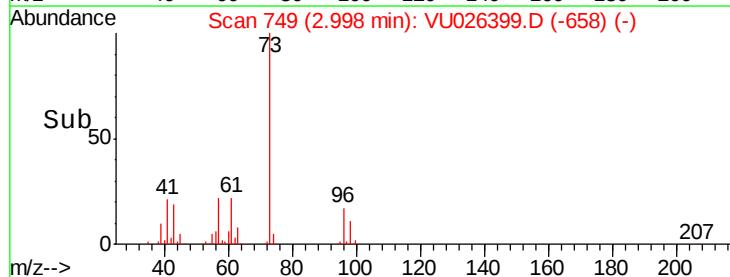
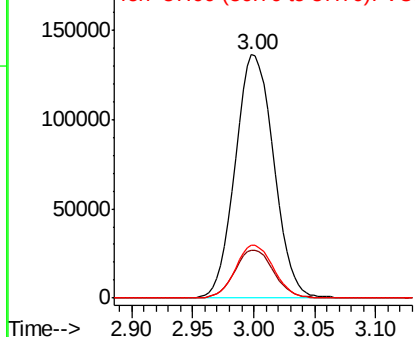


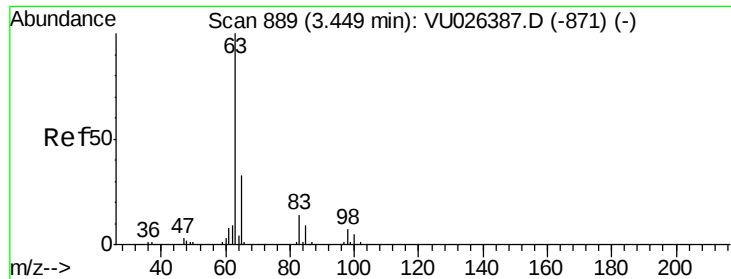
#18
 Methyl tert-butyl Ether
 Concen: 46.134 ug/L
 RT: 3.00 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion: 73 Resp: 298942
 Ion Ratio Lower Upper
 73 100
 43 20.0 15.7 23.5
 57 21.5 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

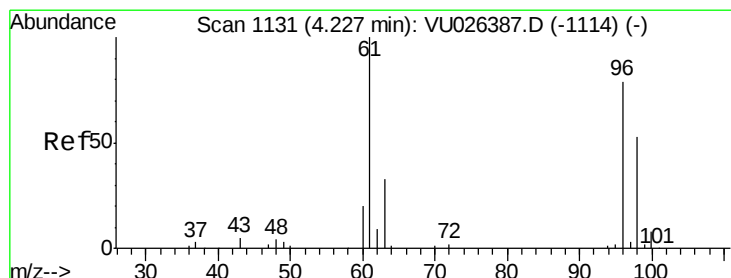
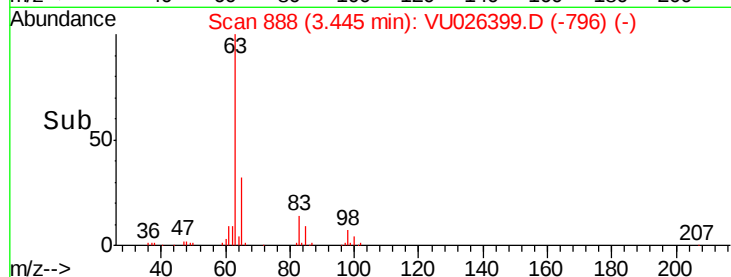
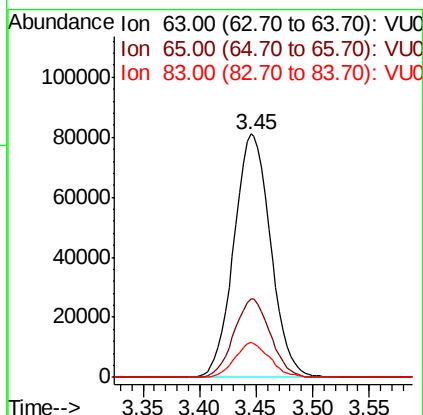
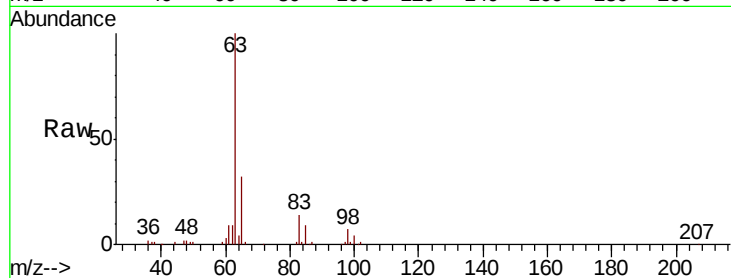




#19
 1,1-Dichloroethane
 Concen: 46.494 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

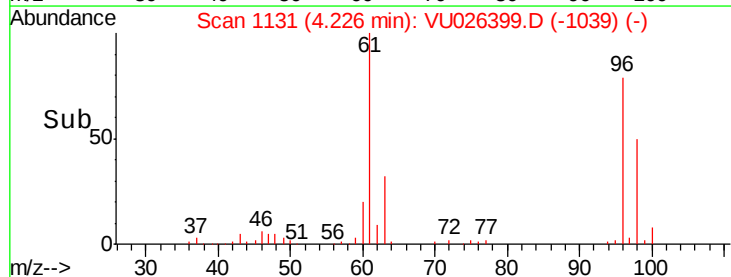
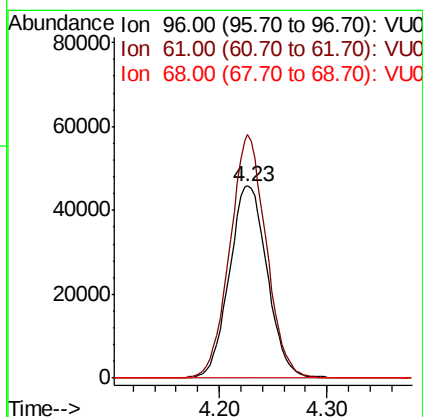
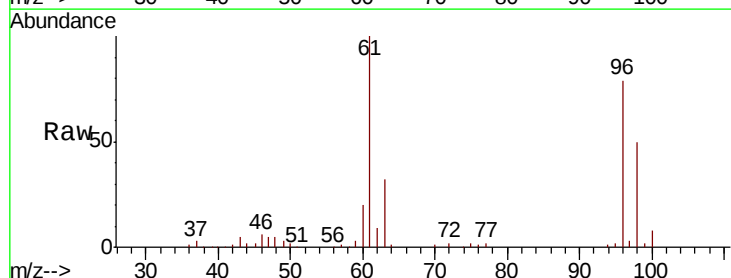
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05058

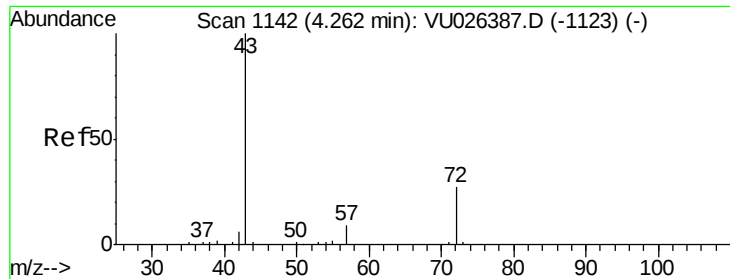
Tgt Ion: 63 Resp: 183138
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.4 39.8
 83 14.3 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 46.894 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion: 96 Resp: 111961
 Ion Ratio Lower Upper
 96 100
 61 126.6 90.3 167.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 87.433 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

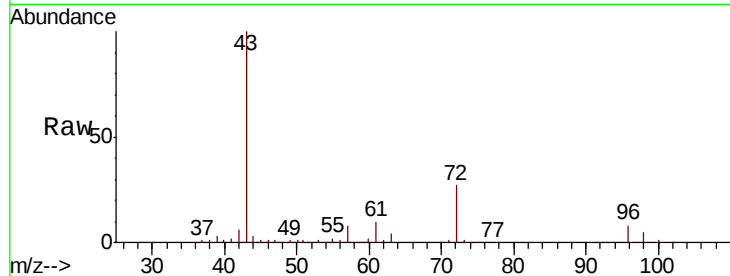
VSTD05058

Tgt Ion: 43 Resp: 146942

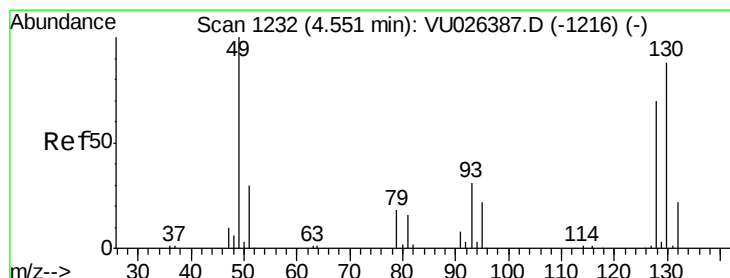
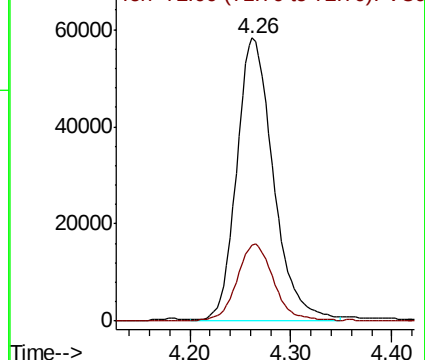
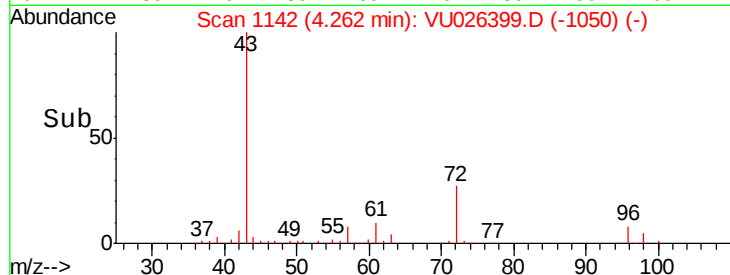
Ion Ratio Lower Upper

43 100

72 27.5 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026399.D (-1050) (-)



#23

Bromochloromethane

Concen: 46.794 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Tgt Ion: 128 Resp: 59749

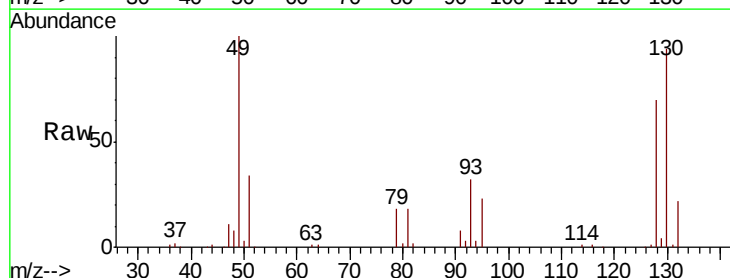
Ion Ratio Lower Upper

128 100

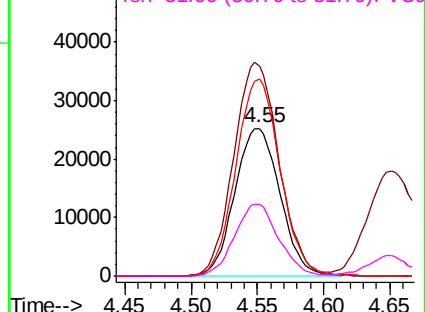
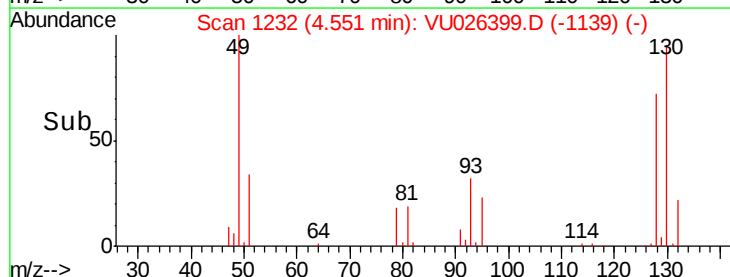
49 142.2 106.7 198.3

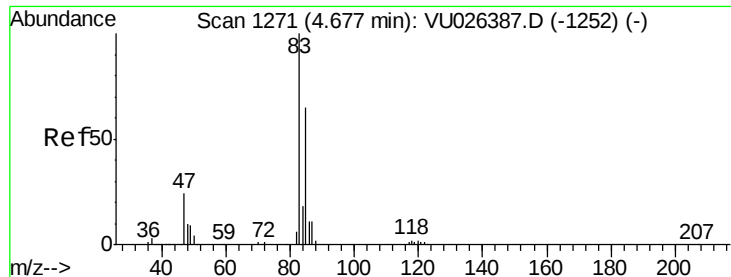
130 133.3 91.7 170.3

51 48.7 38.0 57.0



Abundance Ion 128.00 (127.70 to 128.70): VU026399.D (-1139) (-)

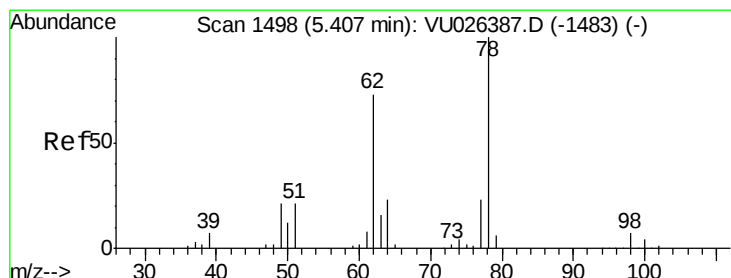
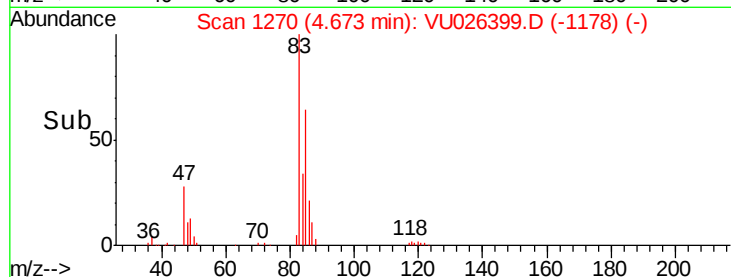
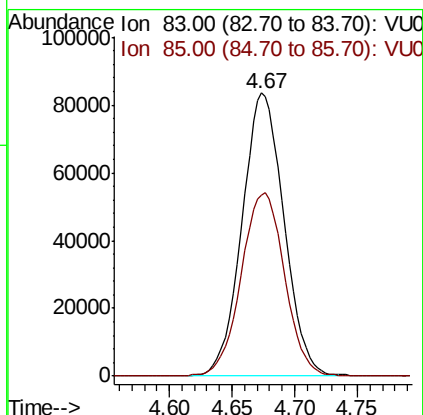
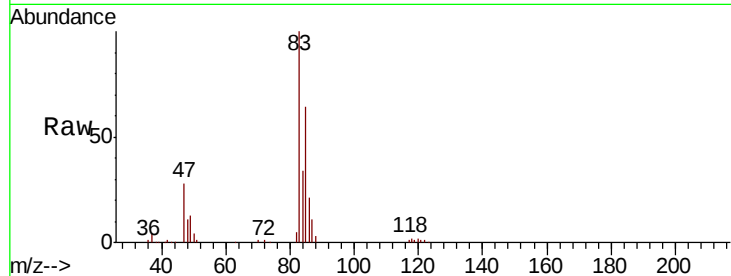




#25
Chloroform
Concen: 46.303 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

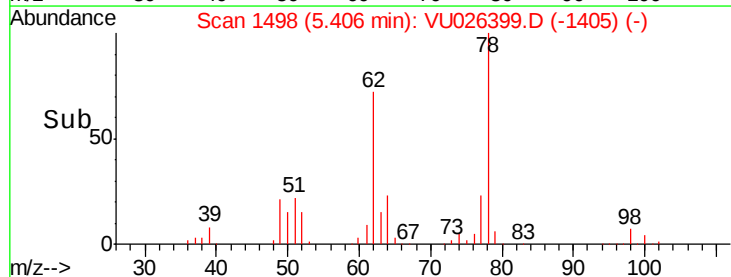
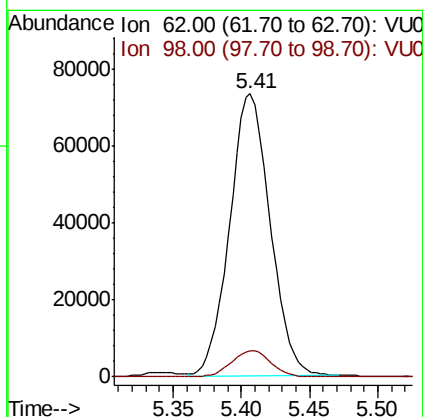
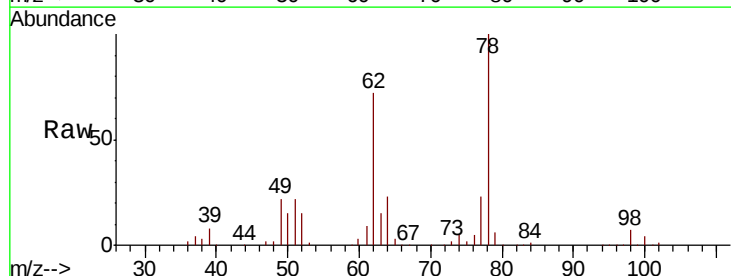
Instrument :
MSVOA_W
ClientSampleId :
VSTD05058

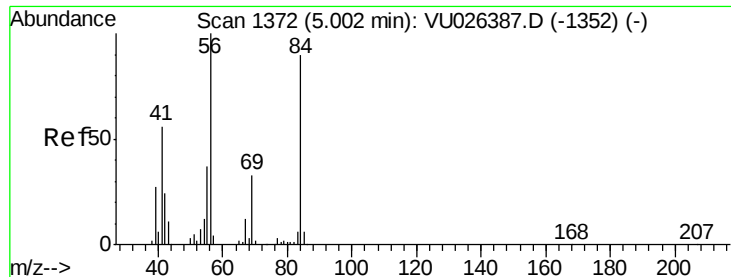
Tgt Ion: 83 Resp: 194705
Ion Ratio Lower Upper
83 100
85 64.1 45.0 83.6



#27
1,2-Dichloroethane
Concen: 45.191 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

Tgt Ion: 62 Resp: 151378
Ion Ratio Lower Upper
62 100
98 9.4 7.2 10.8

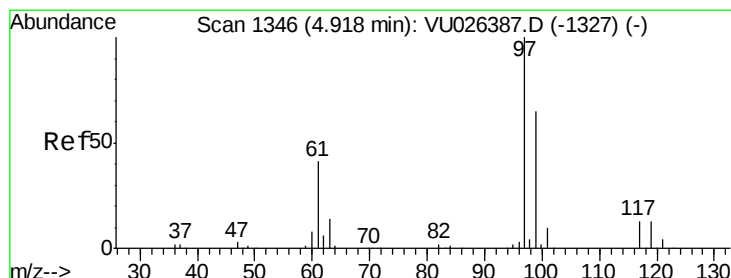
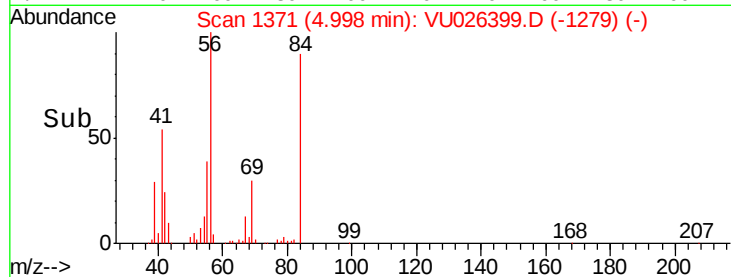
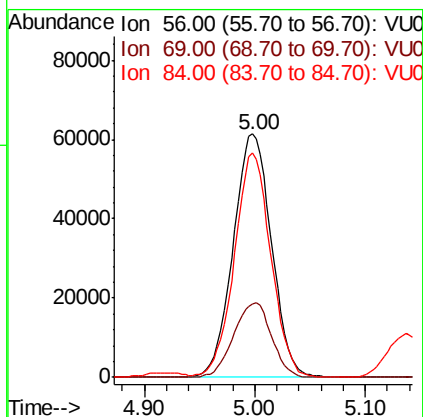
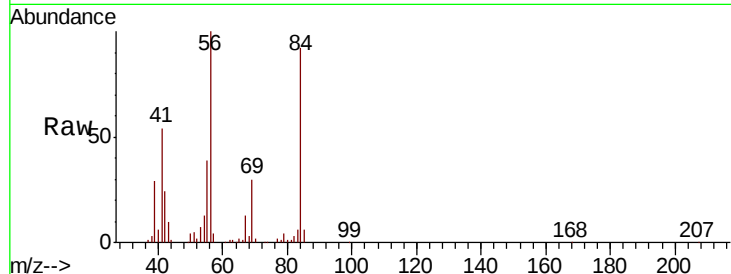




#29
Cyclohexane
Concen: 44.081 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

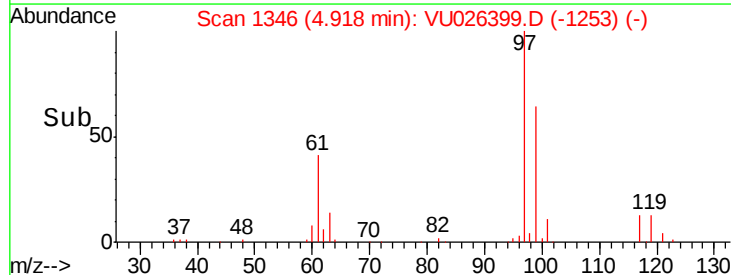
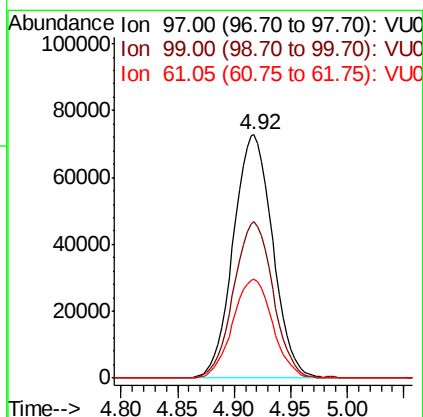
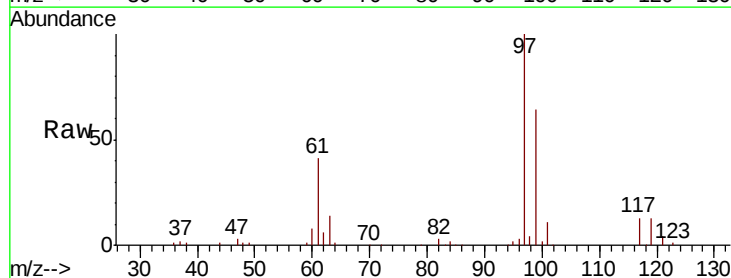
Instrument :
MSVOA_W
ClientSampleId :
VSTD05058

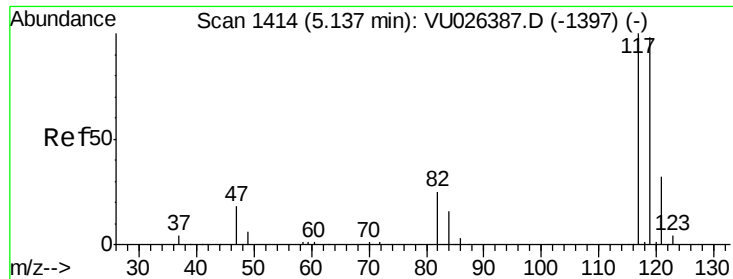
Tgt Ion: 56 Resp: 147194
Ion Ratio Lower Upper
56 100
69 30.4 24.6 37.0
84 88.2 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 46.509 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

Tgt Ion: 97 Resp: 175947
Ion Ratio Lower Upper
97 100
99 64.3 52.0 78.0
61 41.4 34.2 51.4





#31

Carbon tetrachloride

Concen: 45.752 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

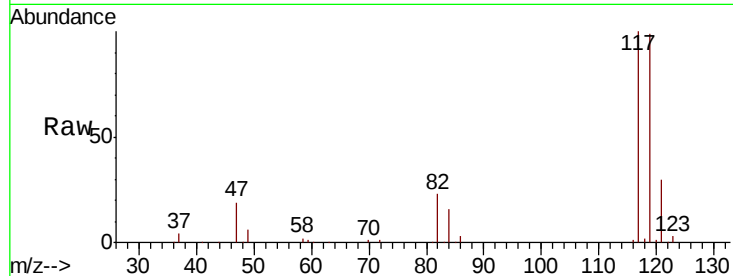
VSTD05058

Tgt Ion:117 Resp: 162725

Ion Ratio Lower Upper

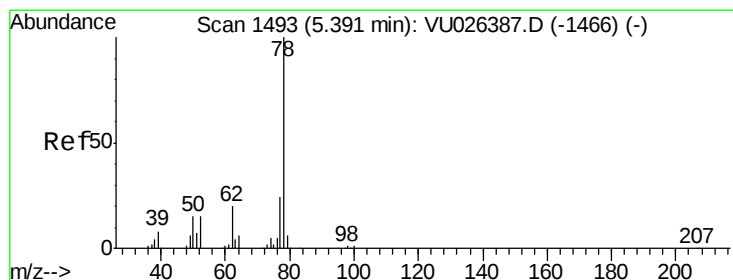
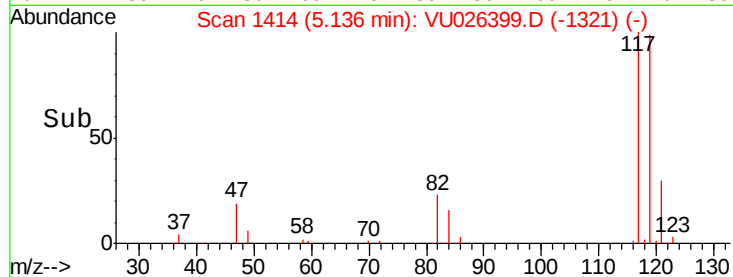
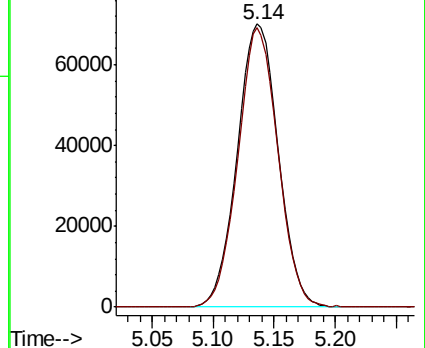
117 100

119 96.1 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 45.610 ug/L

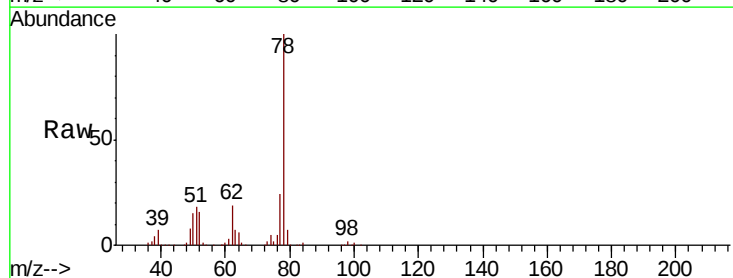
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

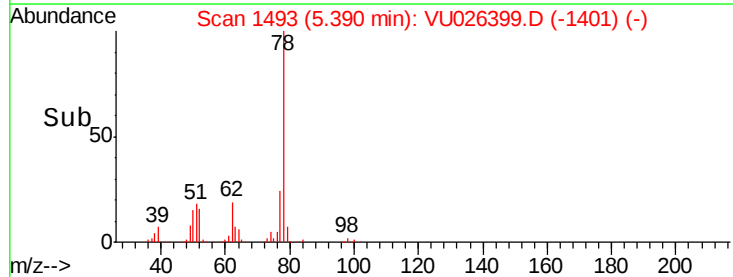
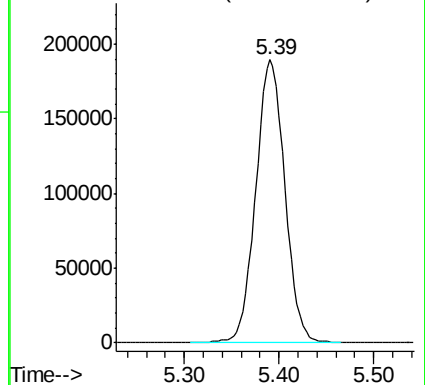
Lab File: VU026399.D

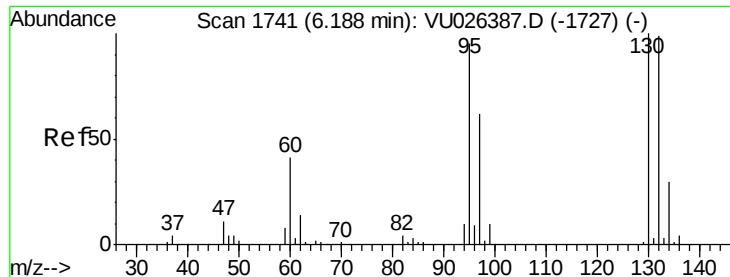
Acq: 27 Aug 2018 15:39

Tgt Ion: 78 Resp: 404866



Abundance Ion 78.00 (77.70 to 78.70): VU0

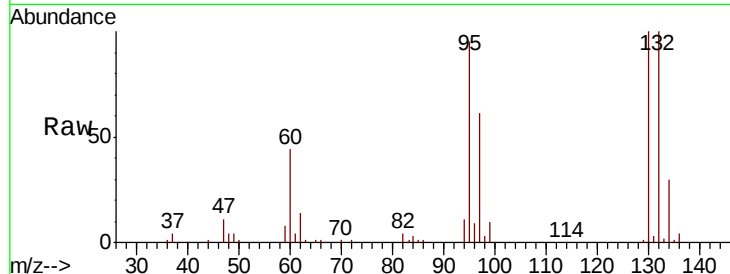




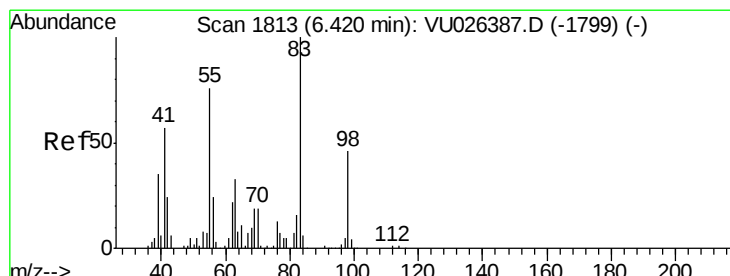
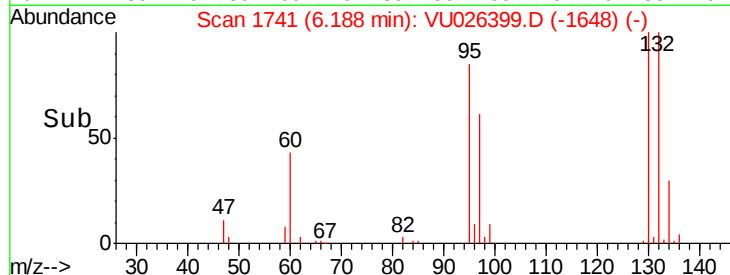
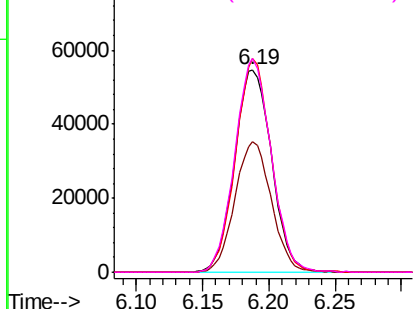
#34
 Trichloroethene
 Concen: 45.420 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05058

Tgt Ion: 95 Resp: 106613
 Ion Ratio Lower Upper
 95 100
 97 64.4 47.2 87.6
 132 105.3 70.2 130.4
 130 105.2 73.4 136.4

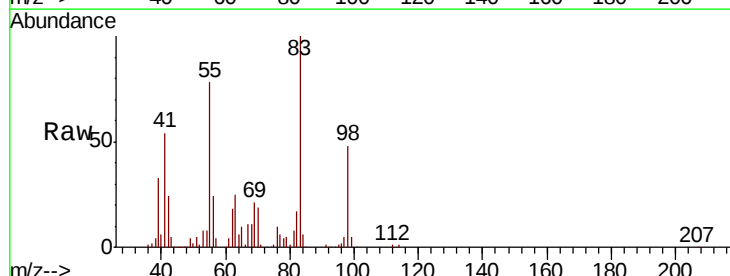


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

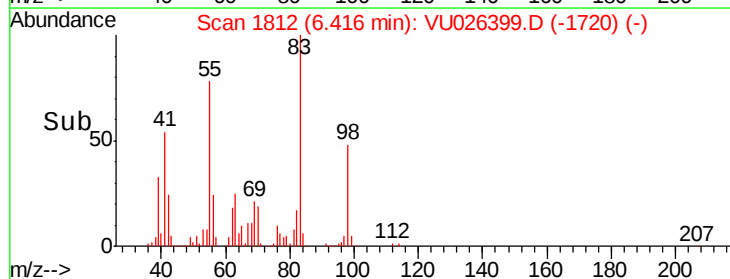
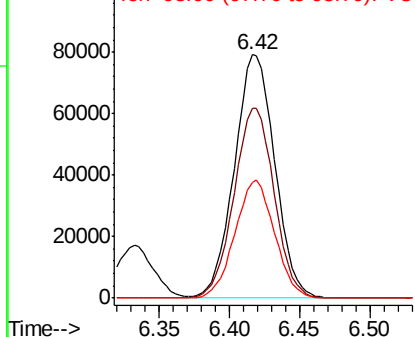


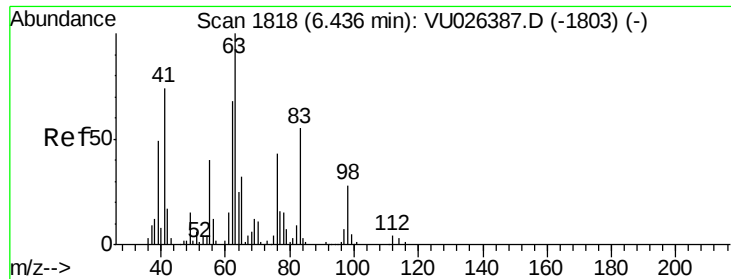
#35
 Methylcyclohexane
 Concen: 44.279 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion: 83 Resp: 158935
 Ion Ratio Lower Upper
 83 100
 55 77.4 60.6 91.0
 98 47.4 36.8 55.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

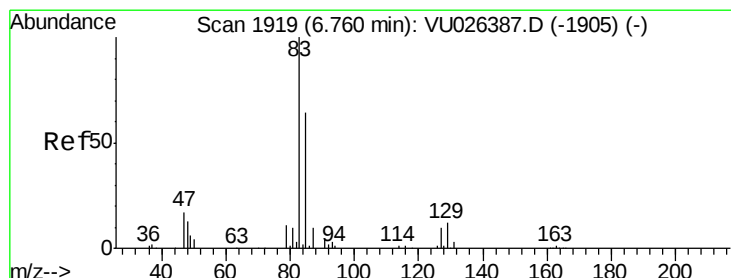
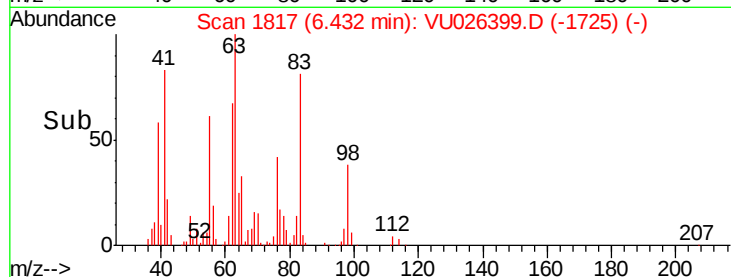
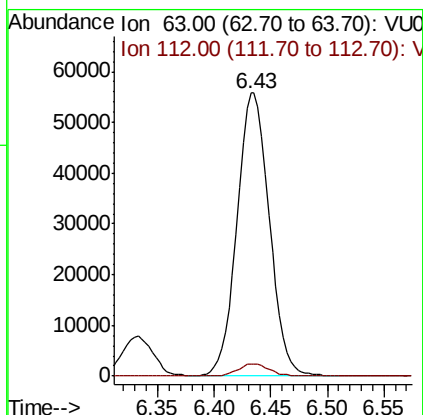
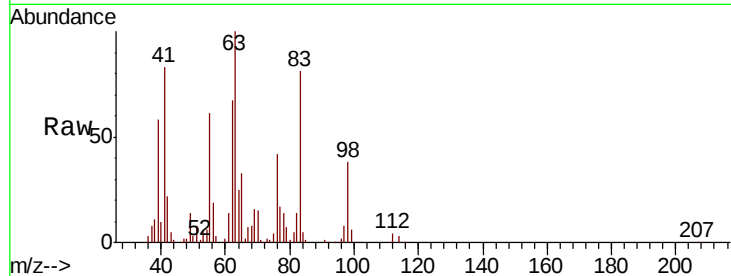




#37
 1,2-Dichloropropane
 Concen: 45.909 ug/L
 RT: 6.43 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

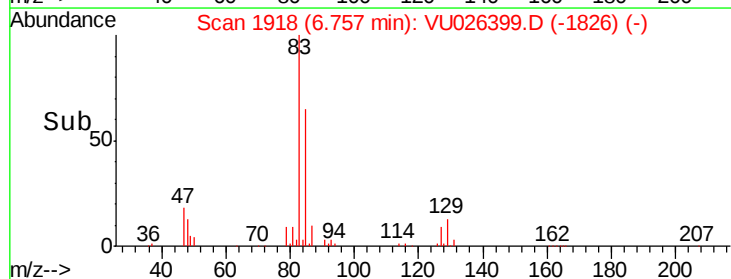
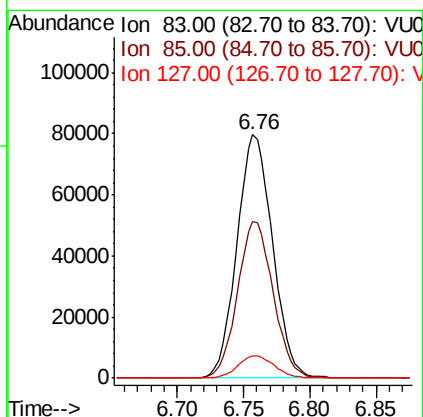
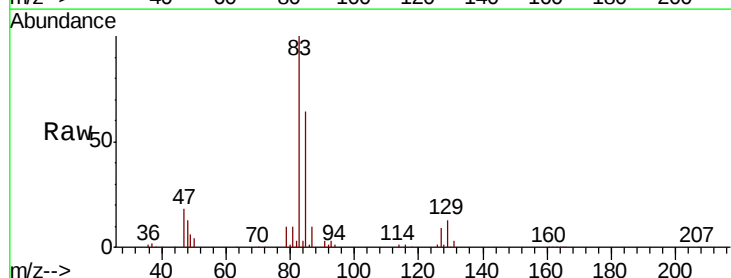
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05058

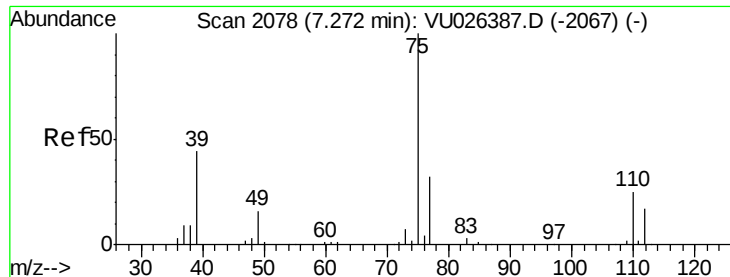
Tgt Ion: 63 Resp: 111374
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 45.893 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion: 83 Resp: 148870
 Ion Ratio Lower Upper
 83 100
 85 64.3 46.3 86.1
 127 8.9 7.8 11.6

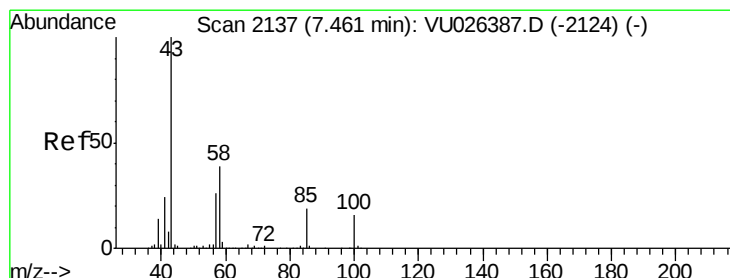
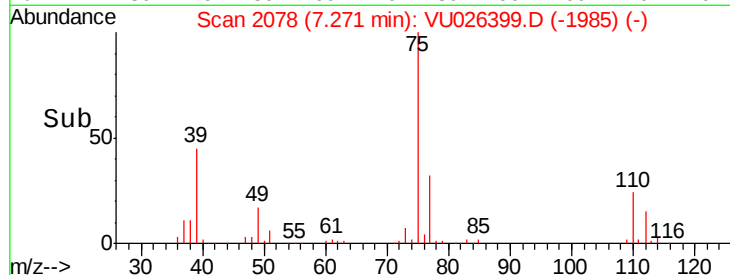
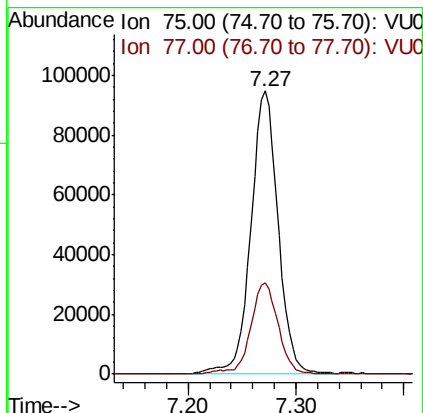
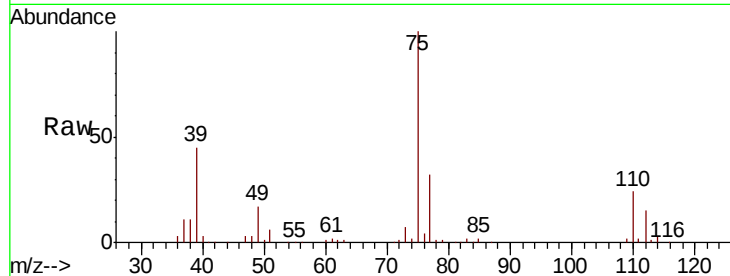




#39
 cis-1,3-Dichloropropene
 Concen: 45.155 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

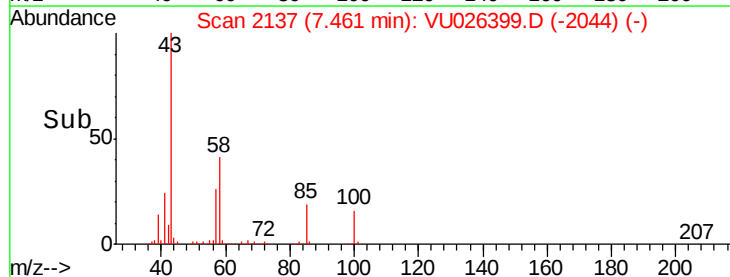
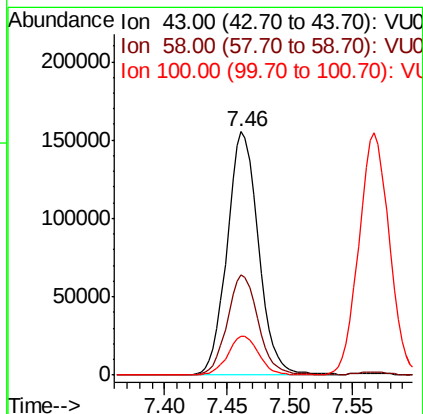
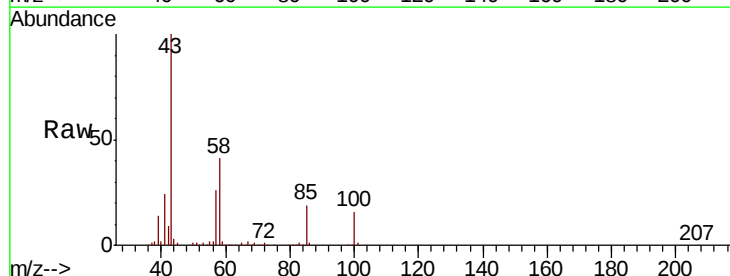
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05058

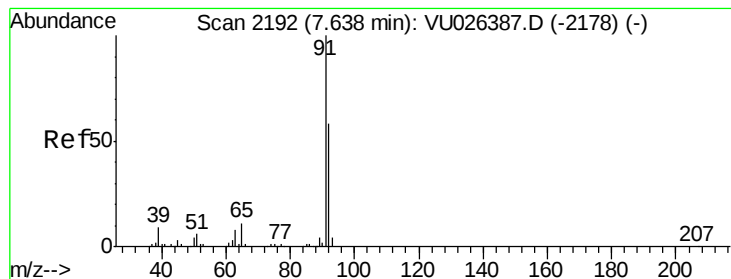
Tgt Ion: 75 Resp: 166391
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 87.873 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion: 43 Resp: 270173
 Ion Ratio Lower Upper
 43 100
 58 40.6 31.6 47.4
 100 15.7 12.3 18.5





#42

Toluene

Concen: 46.764 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

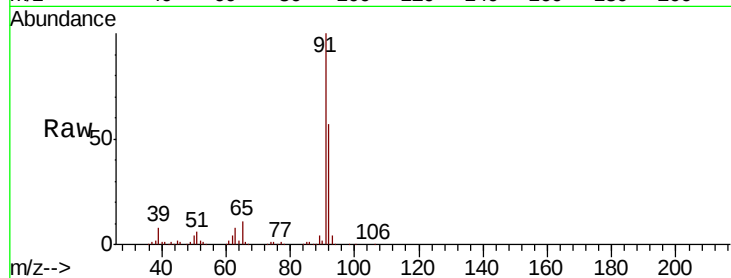
VSTD05058

Tgt Ion: 91 Resp: 441680

Ion Ratio Lower Upper

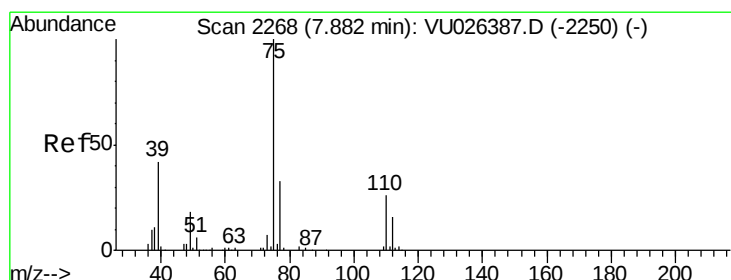
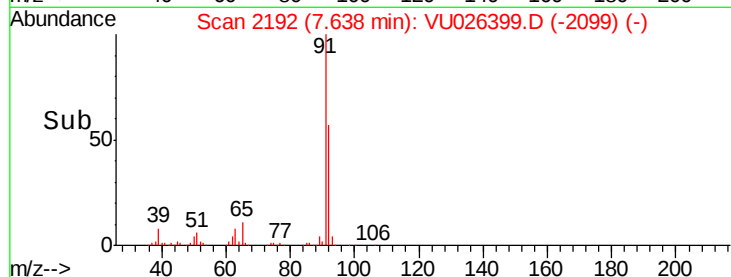
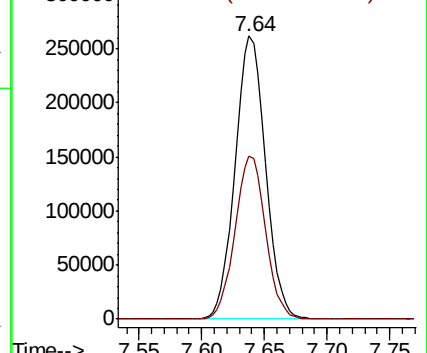
91 100

92 57.5 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 46.007 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026399.D

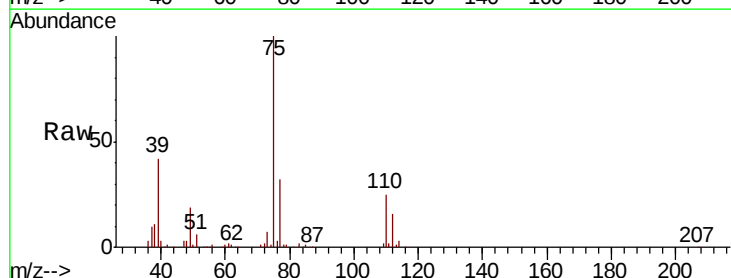
Acq: 27 Aug 2018 15:39

Tgt Ion: 75 Resp: 163121

Ion Ratio Lower Upper

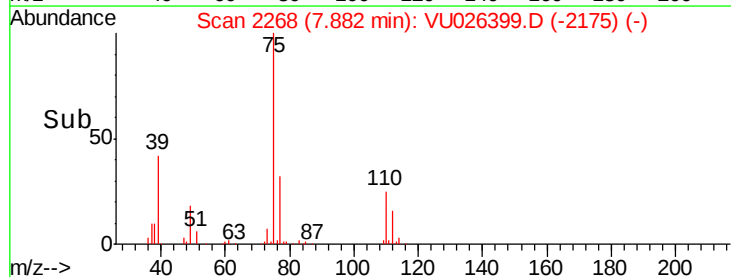
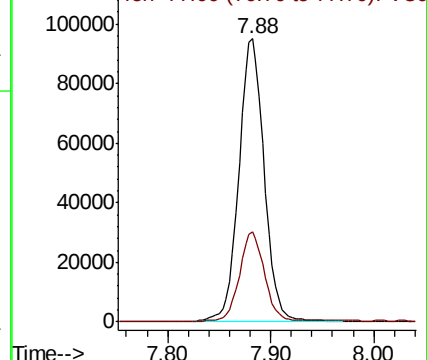
75 100

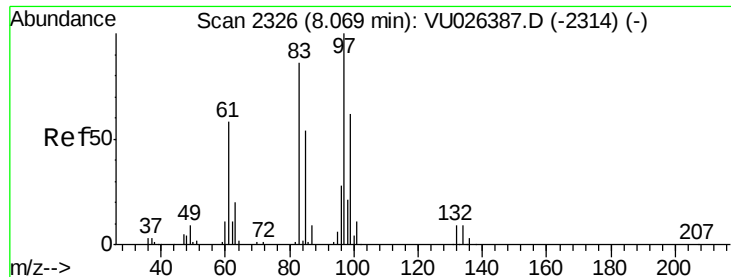
77 31.7 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

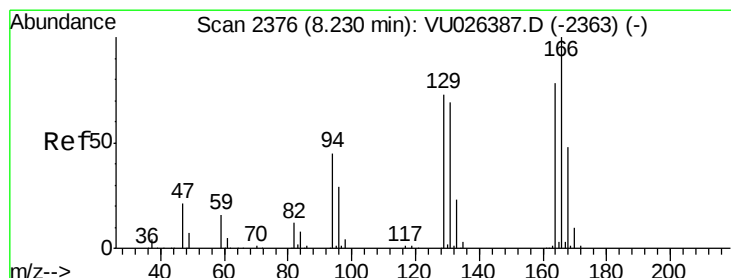
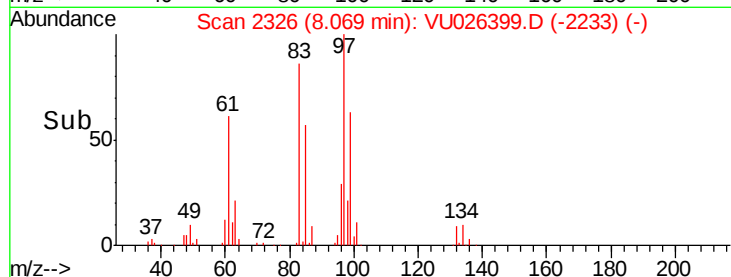
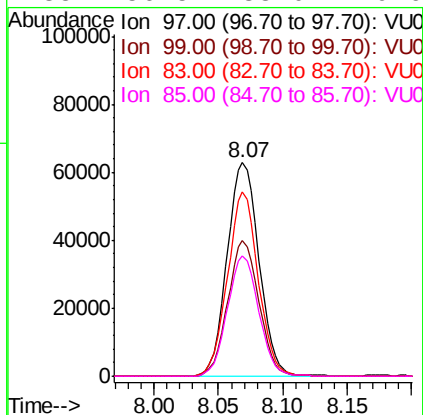
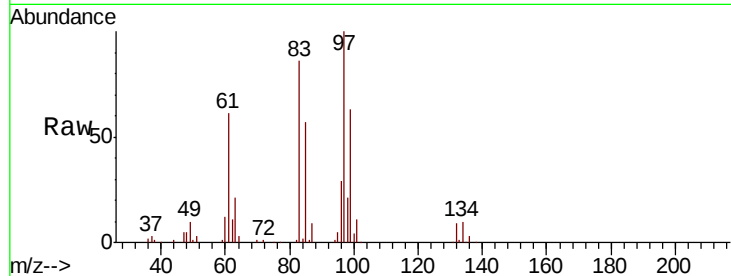




#45
 1,1,2-Trichloroethane
 Concen: 47.214 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

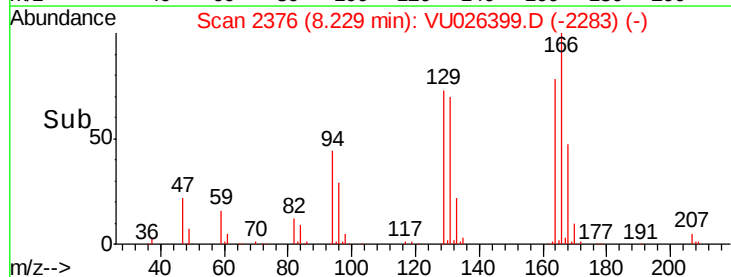
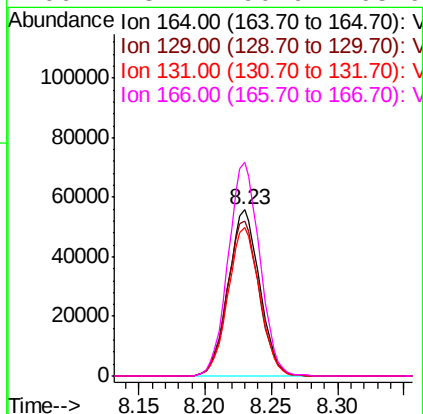
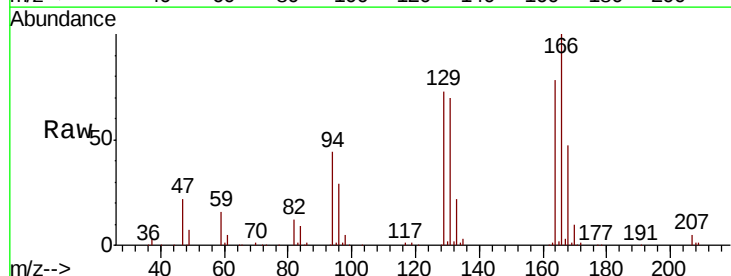
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05058

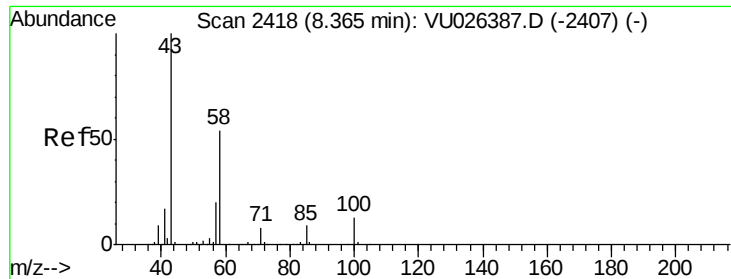
Tgt Ion:	97	Resp:	108201
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.0	81.6
83	86.5	59.2	110.0
85	56.5	38.0	70.6



#46
 Tetrachloroethene
 Concen: 45.535 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion:	164	Resp:	91969
Ion	Ratio	Lower	Upper
164	100		
129	93.3	67.3	124.9
131	89.3	65.5	121.7
166	128.4	90.9	168.9

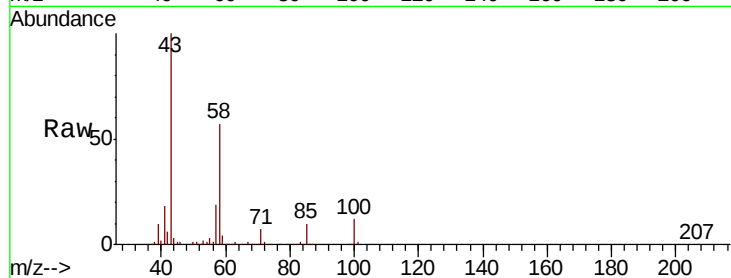




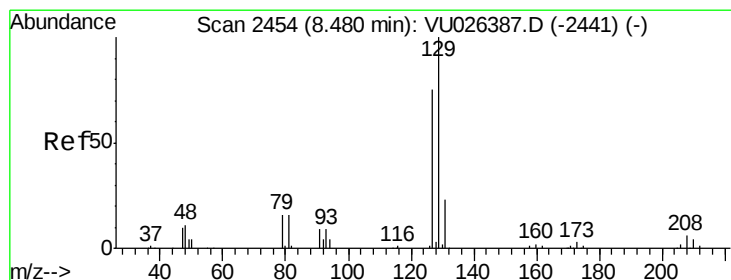
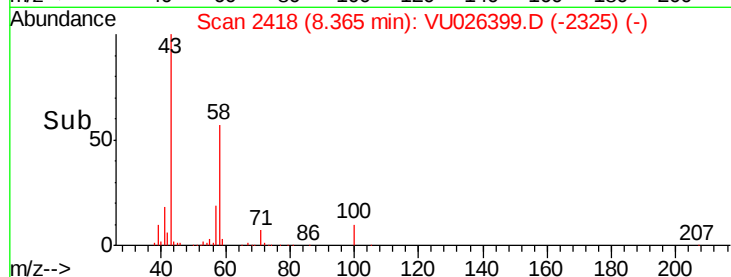
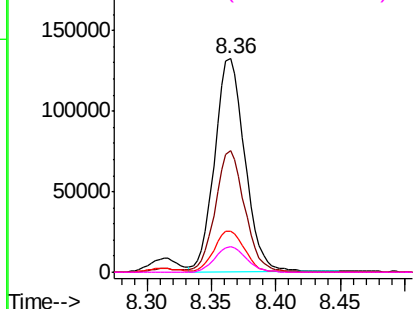
#48
2-Hexanone
Concen: 86.933 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD05058

Tgt Ion:	43	Resp:	215107
Ion	Ratio	Lower	Upper
43	100		
58	55.3	42.6	63.8
57	19.8	15.1	22.7
100	12.4	9.5	14.3

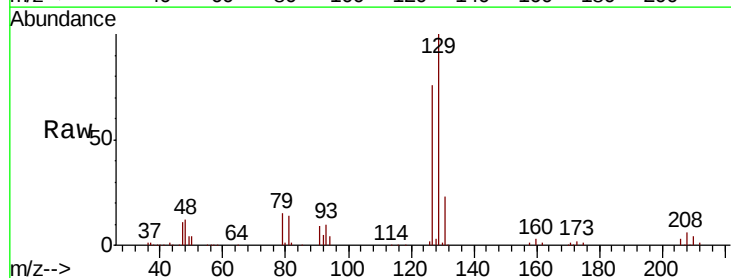


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

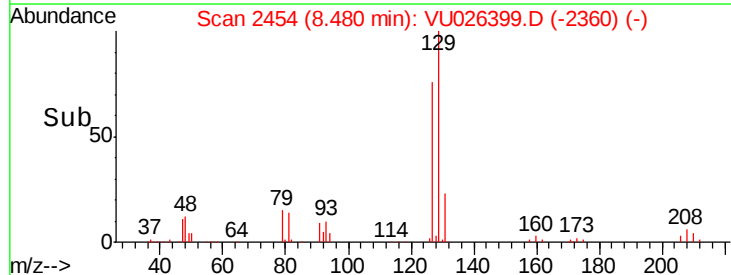
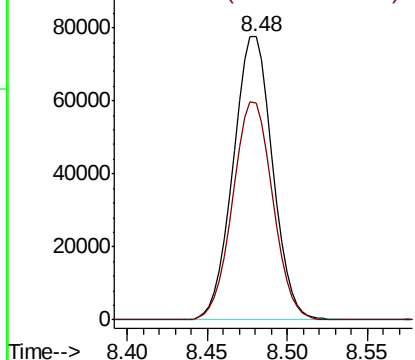


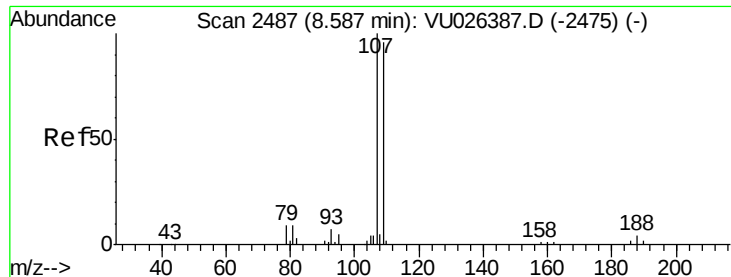
#49
Dibromochloromethane
Concen: 46.212 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026399.D
Acq: 27 Aug 2018 15:39

Tgt Ion:	129	Resp:	130154
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

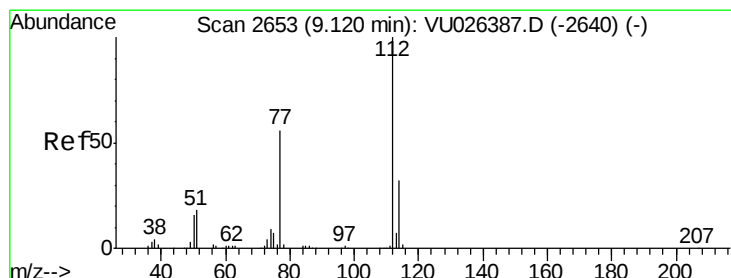
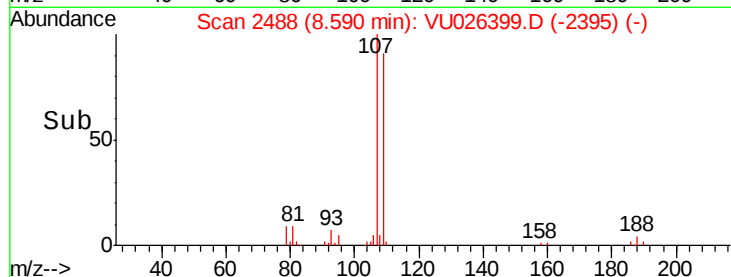
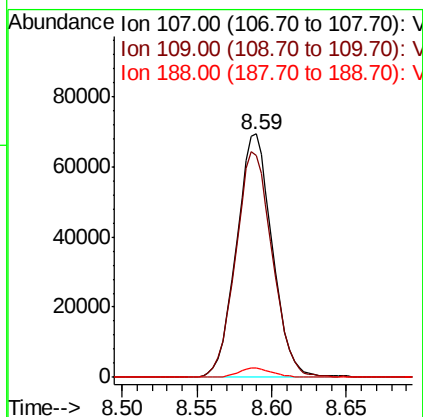
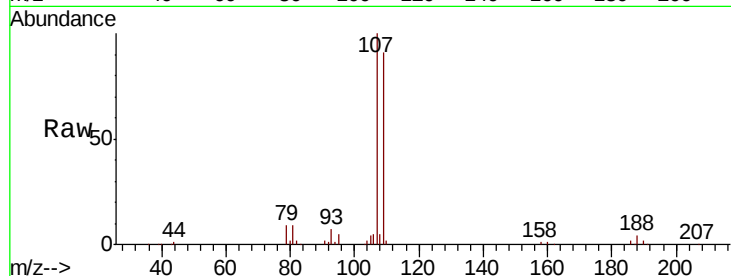




#50
 1,2-Dibromoethane
 Concen: 45.635 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

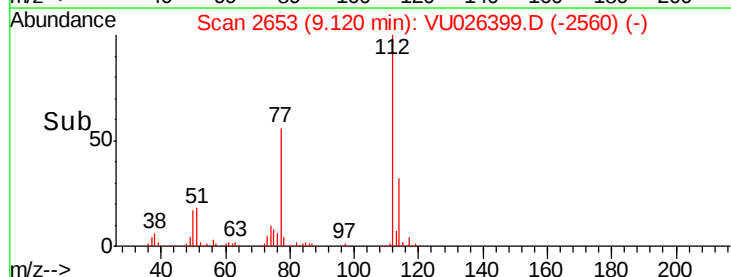
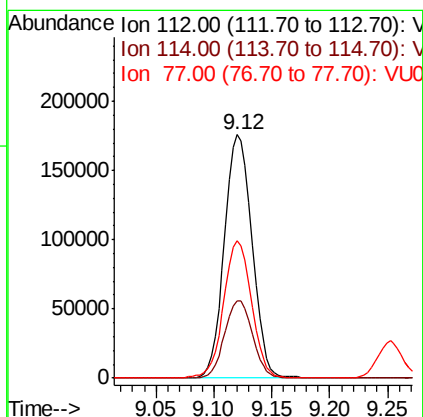
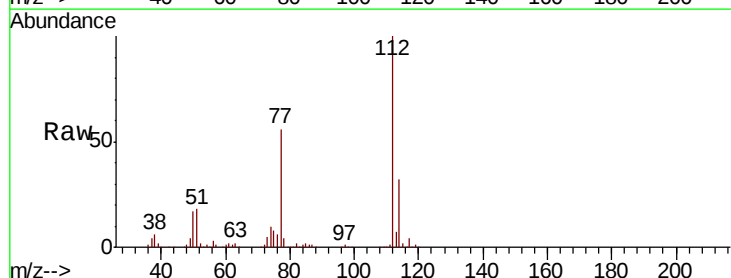
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05058

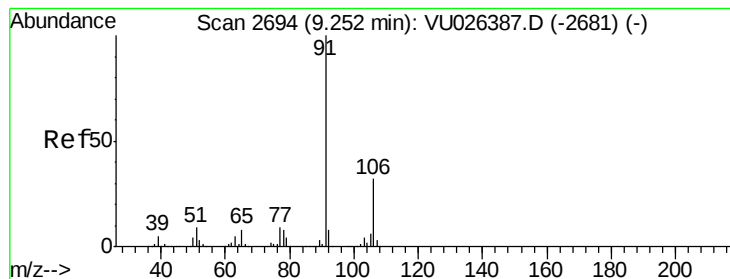
Tgt Ion:107 Resp: 115431
 Ion Ratio Lower Upper
 107 100
 109 91.2 65.2 121.0
 188 3.7 3.4 5.2



#51
 Chlorobenzene
 Concen: 44.929 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion:112 Resp: 290243
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.5 41.9
 77 56.4 45.4 68.2





#52

Ethylbenzene

Concen: 46.503 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

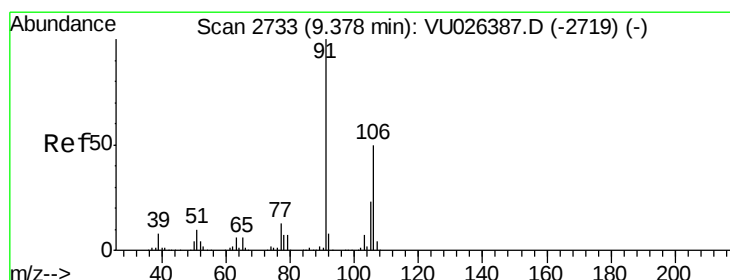
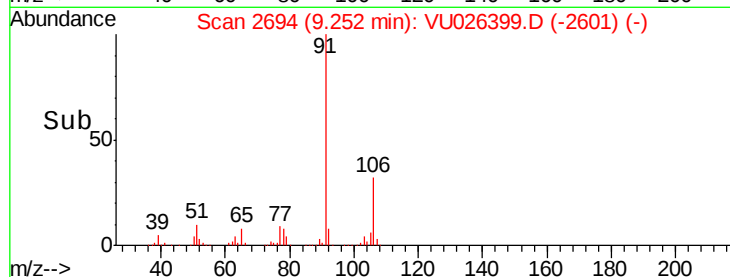
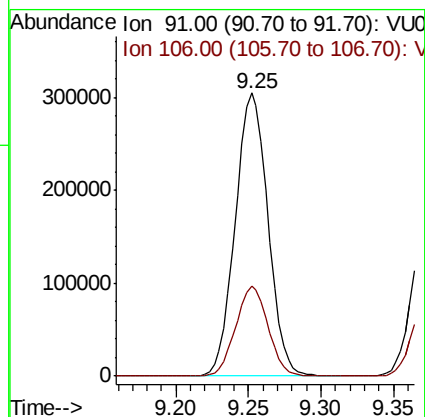
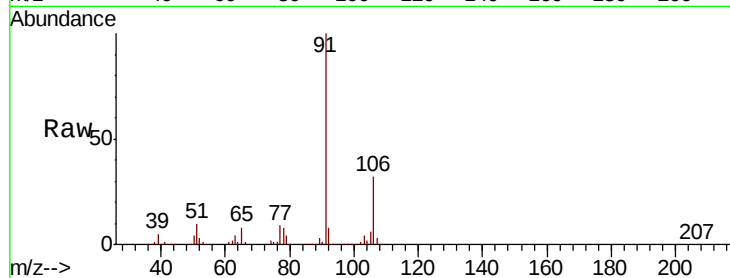
VSTD05058

Tgt Ion: 91 Resp: 478405

Ion Ratio Lower Upper

91 100

106 32.0 22.3 41.5



#53

m,p-Xylene

Concen: 47.015 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026399.D

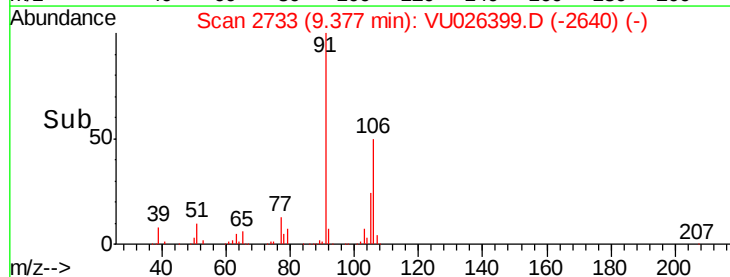
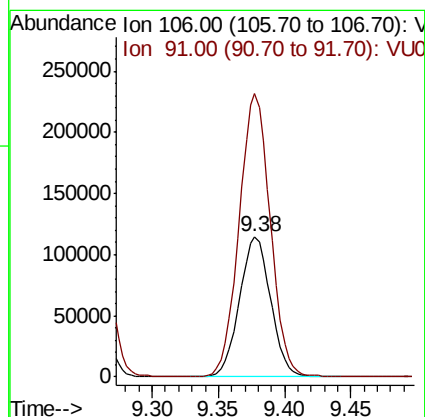
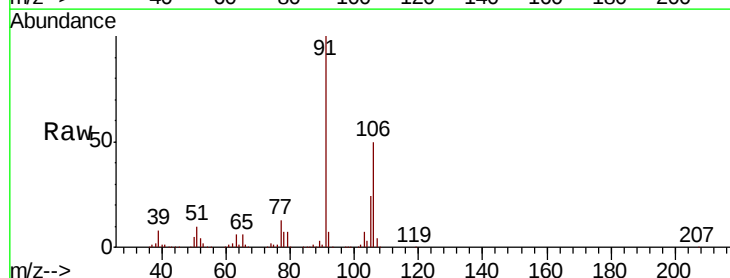
Acq: 27 Aug 2018 15:39

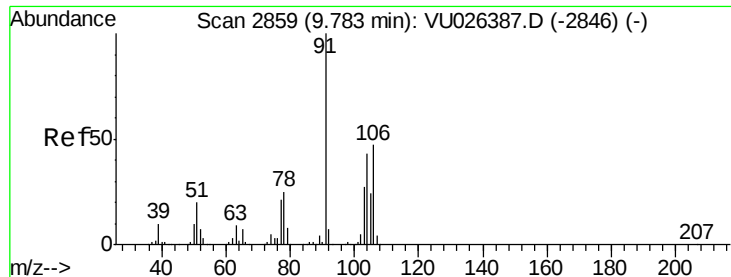
Tgt Ion: 106 Resp: 186944

Ion Ratio Lower Upper

106 100

91 201.4 136.6 253.8





#54

o-xylene

Concen: 46.760 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampled :

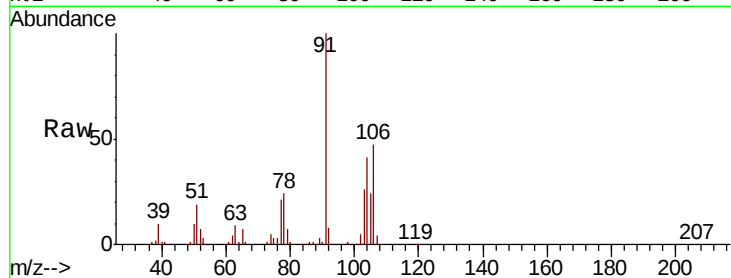
VSTD05058

Tgt Ion:106 Resp: 181358

Ion Ratio Lower Upper

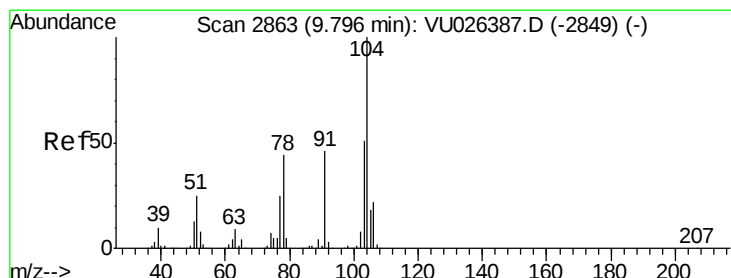
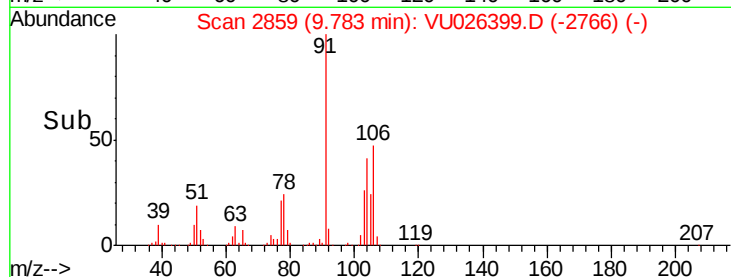
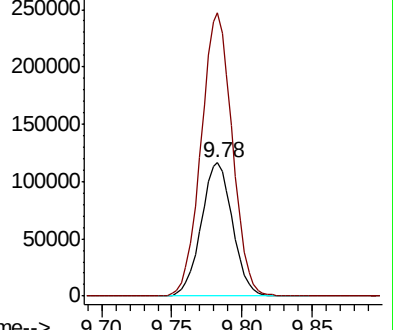
106 100

91 212.1 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.368 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026399.D

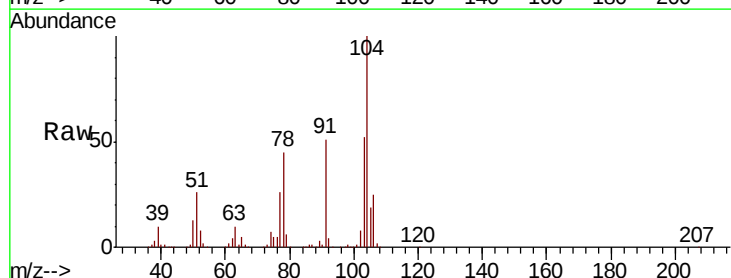
Acq: 27 Aug 2018 15:39

Tgt Ion:104 Resp: 320220

Ion Ratio Lower Upper

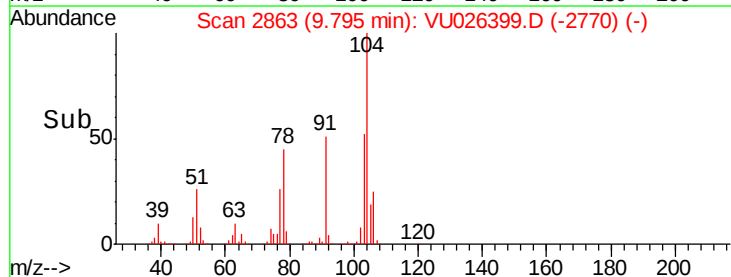
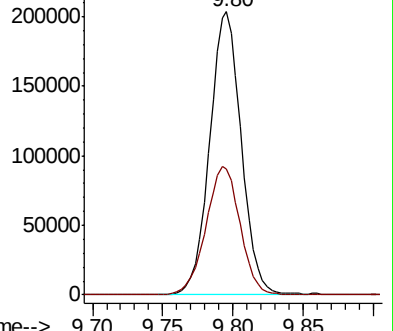
104 100

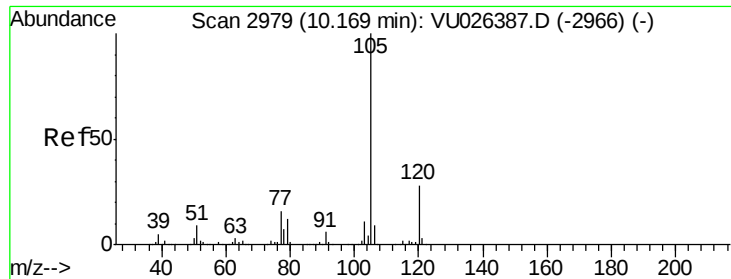
78 44.7 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 46.893 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

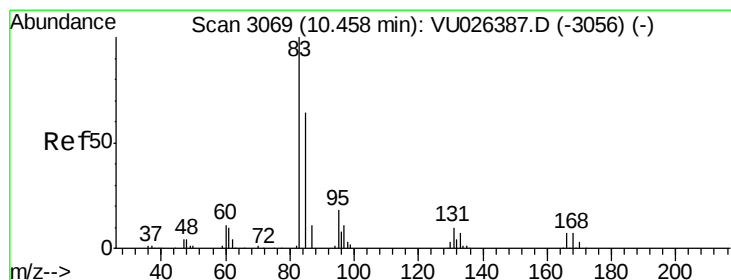
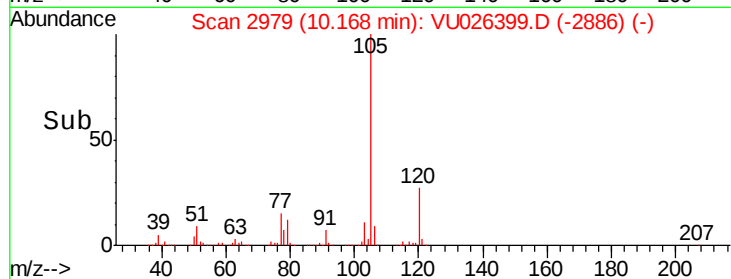
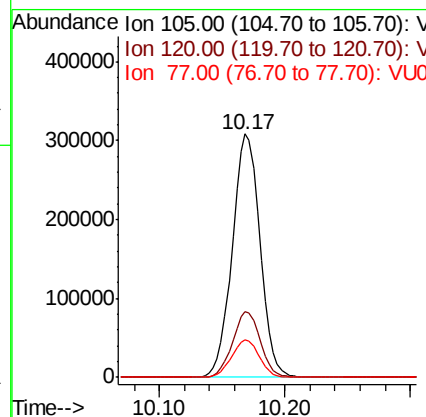
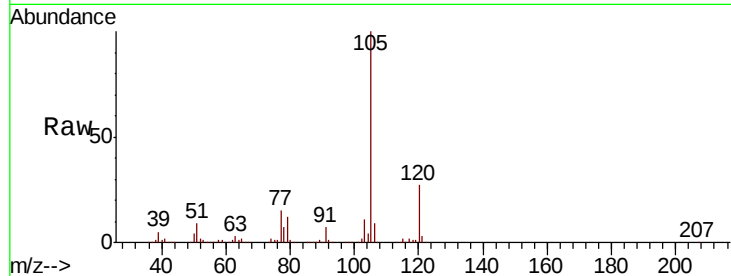
Instrument :

MSVOA_W

ClientSampleId :

VSTD05058

Tgt Ion:	105	Resp:	471823
Ion Ratio	Lower	Upper	
105	100		
120	27.1	21.9	32.9
77	15.4	12.4	18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 45.454 ug/L

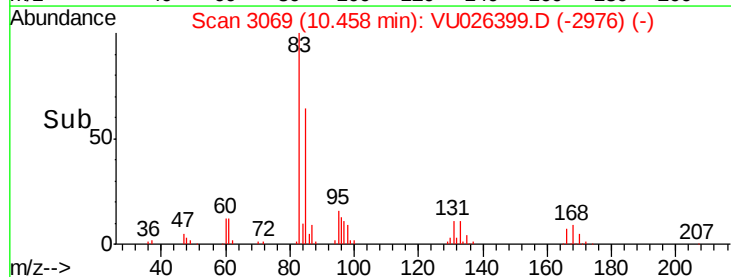
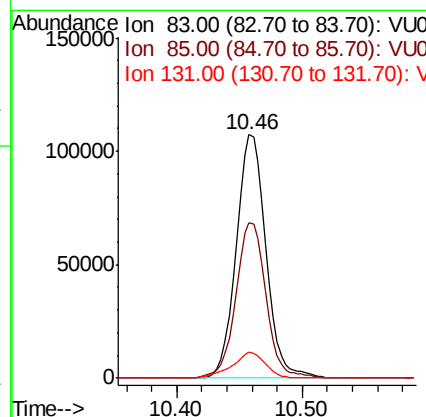
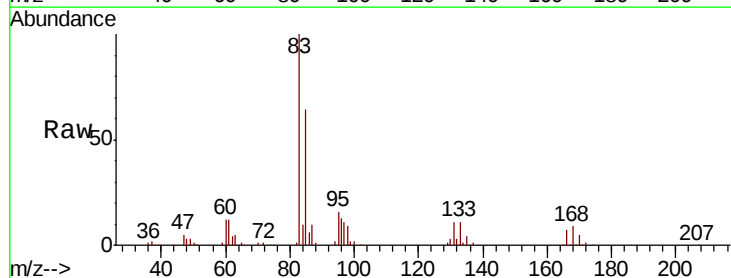
RT: 10.46 min Scan# 3069

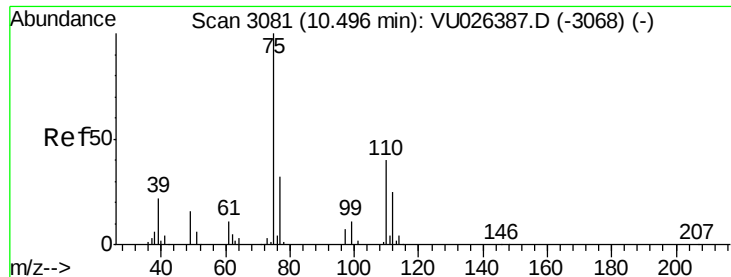
Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Tgt Ion:	83	Resp:	176299
Ion Ratio	Lower	Upper	
83	100		
85	64.0	44.9	83.3
131	10.6	8.2	12.2

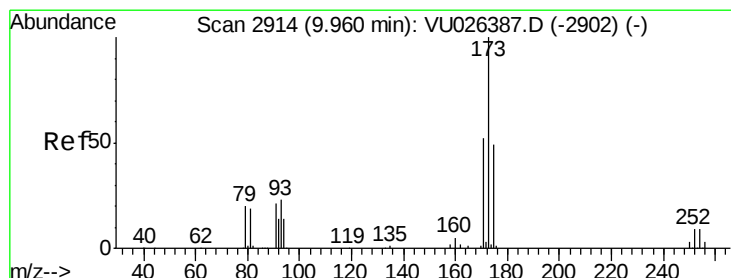
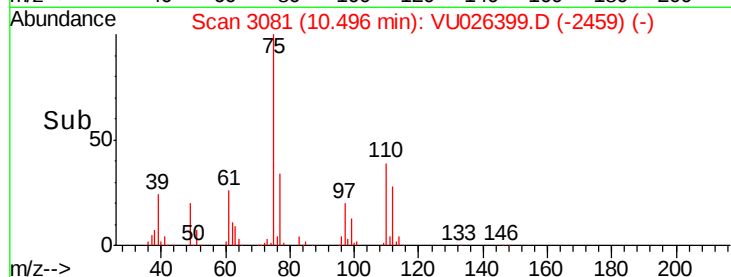
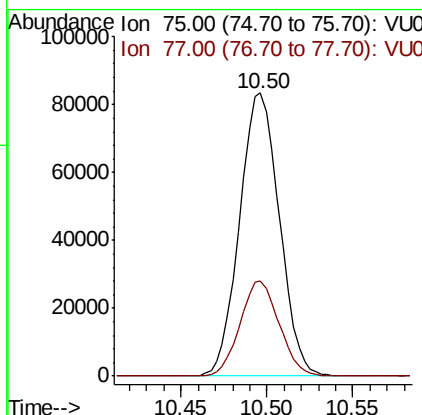
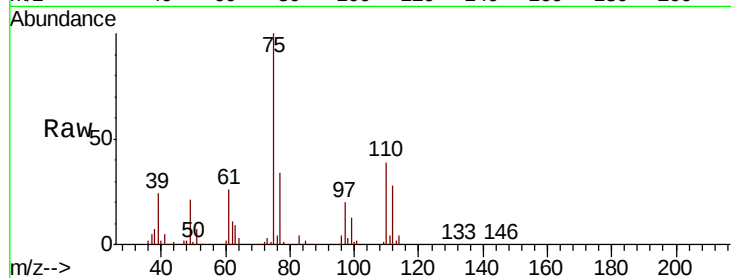




#59
 1,2,3-Trichloropropane
 Concen: 44.322 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

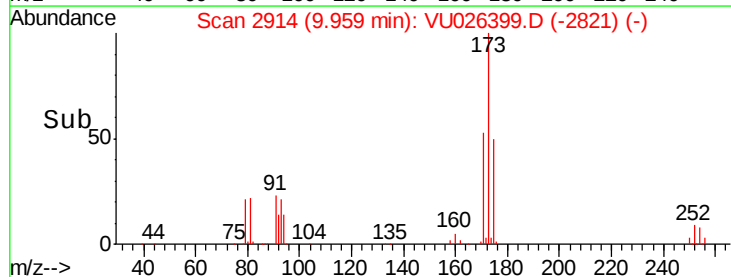
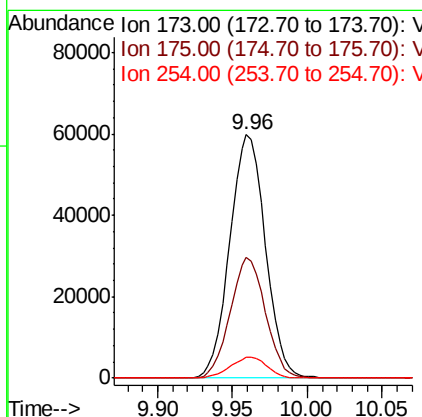
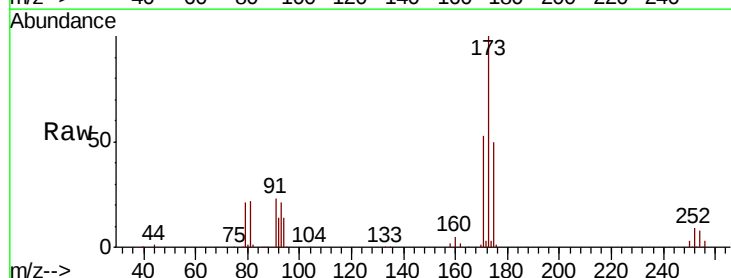
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05058

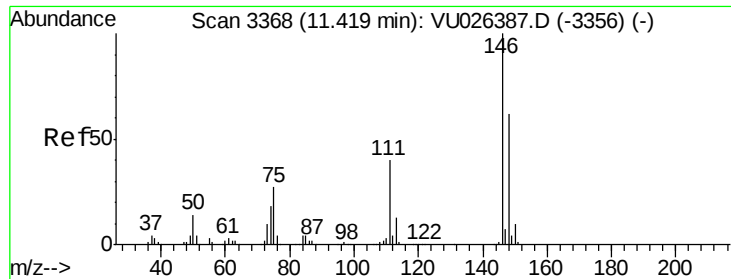
Tgt Ion: 75 Resp: 134045
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.5 38.3



#61
 Bromoform
 Concen: 45.848 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion: 173 Resp: 99382
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.4 59.2
 254 8.8 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 45.112 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD05058

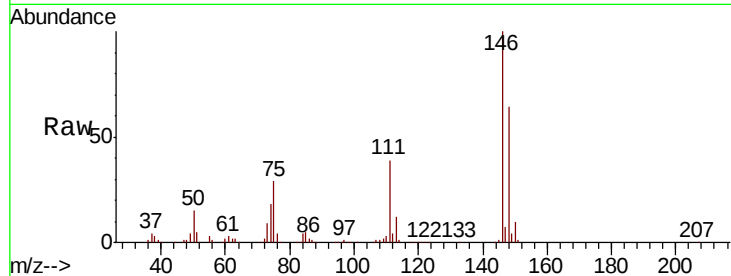
Tgt Ion:146 Resp: 232690

Ion Ratio Lower Upper

146 100

111 39.2 26.9 50.1

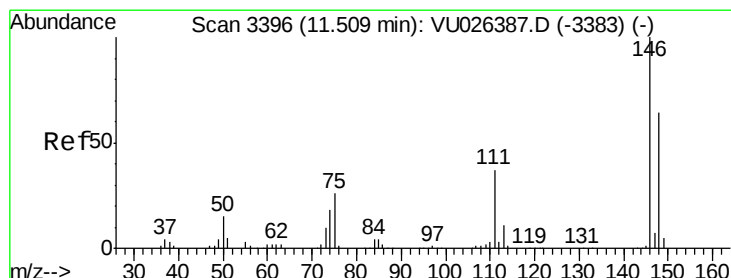
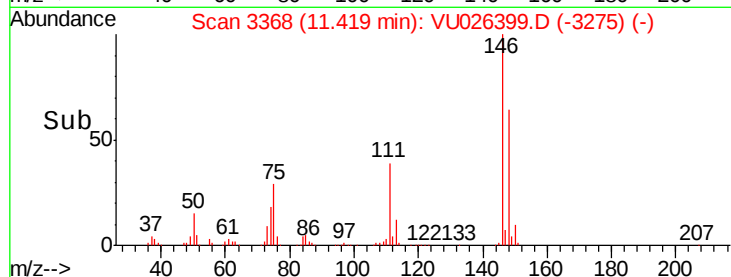
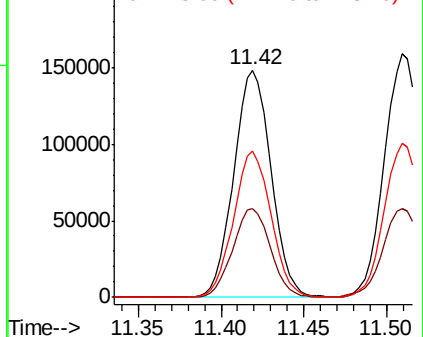
148 64.4 43.7 81.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.382 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

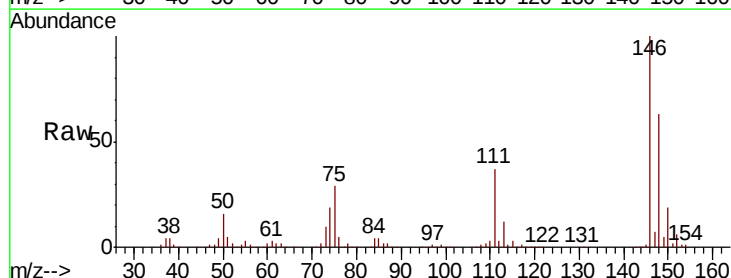
Tgt Ion:146 Resp: 247341

Ion Ratio Lower Upper

146 100

111 36.7 25.9 48.1

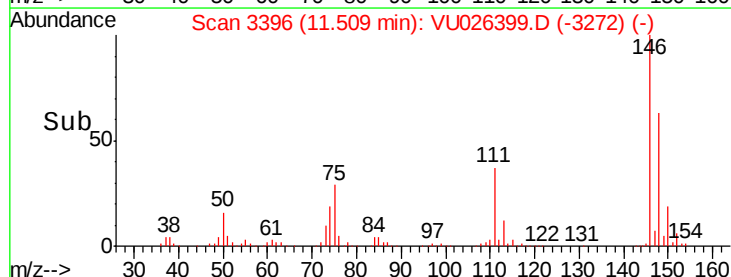
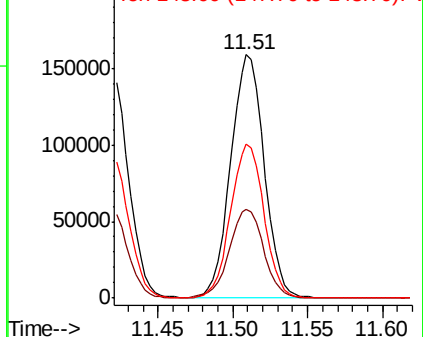
148 63.0 44.5 82.7

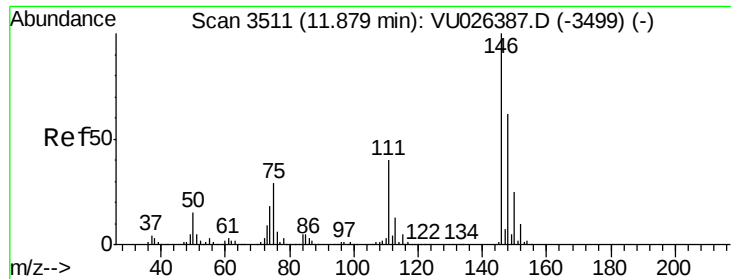


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

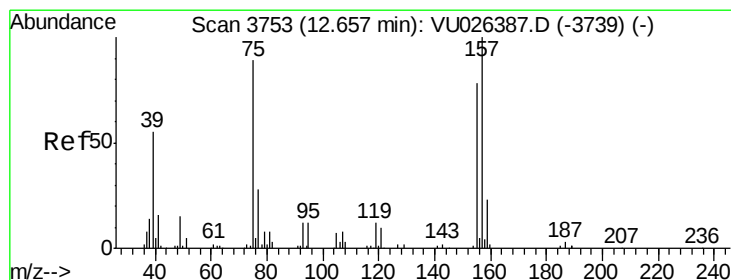
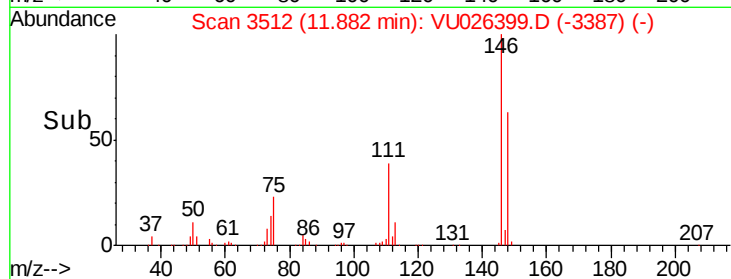
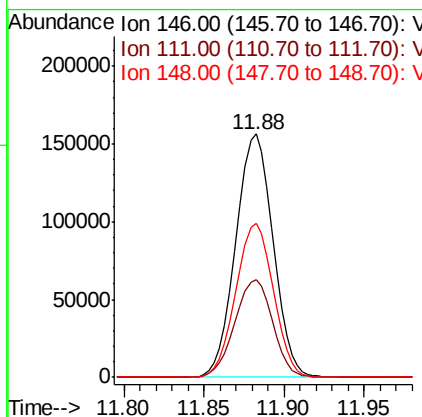
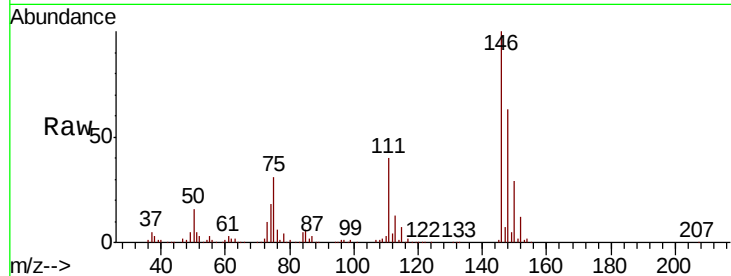




#65
 1,2-Dichlorobenzene
 Concen: 45.882 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

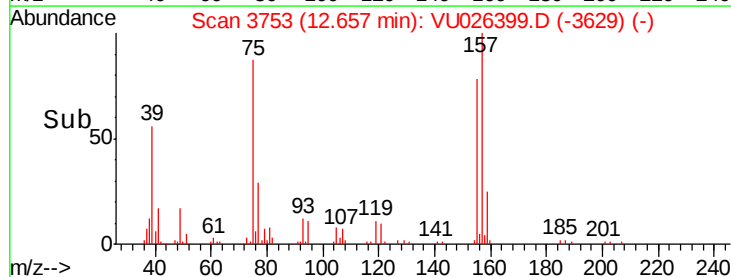
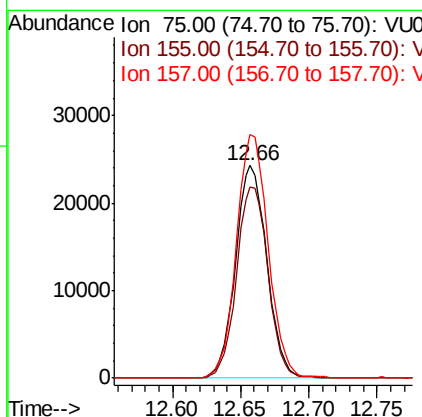
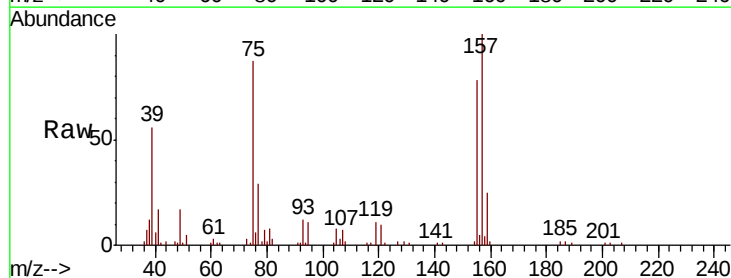
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05058

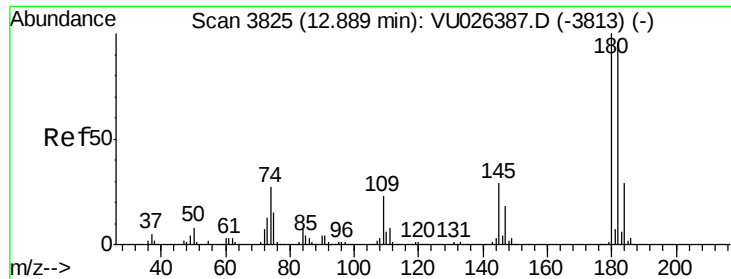
Tgt Ion: 146 Resp: 248924
 Ion Ratio Lower Upper
 146 100
 111 40.2 32.6 48.8
 148 63.5 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 42.709 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion: 75 Resp: 38708
 Ion Ratio Lower Upper
 75 100
 155 89.7 65.0 97.6
 157 114.5 87.5 131.3

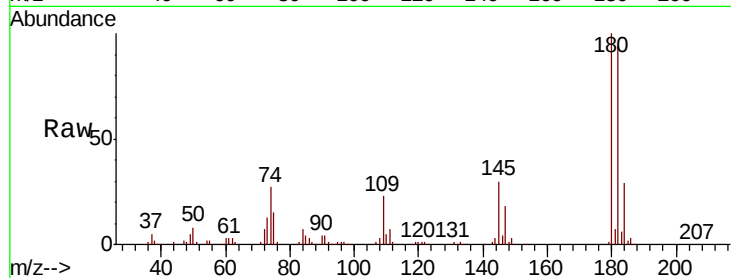




#67
 1,3,5-Trichlorobenzene
 Concen: 44.762 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05058

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.9	116.9
184	30.1	24.2	36.4
145	29.7	23.4	35.2



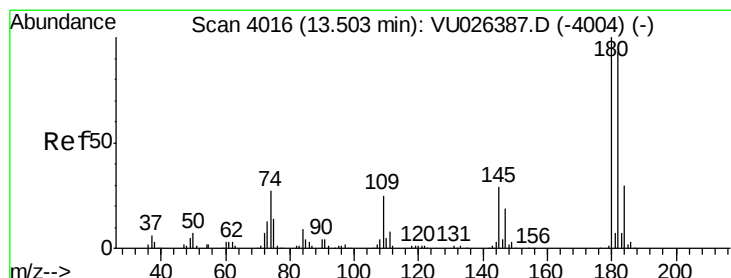
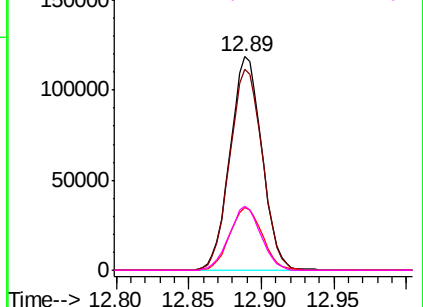
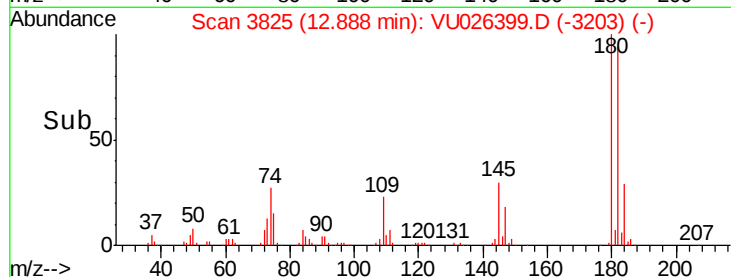
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

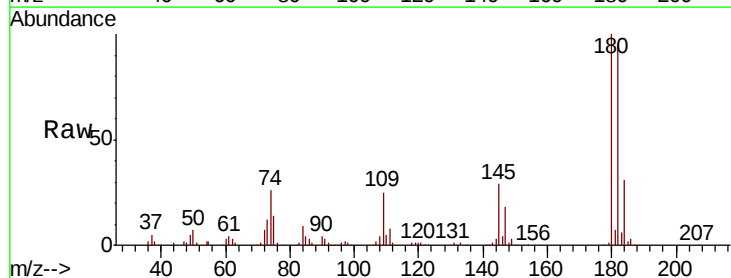
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 44.630 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026399.D
 Acq: 27 Aug 2018 15:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.6
145	29.1	23.8	35.8

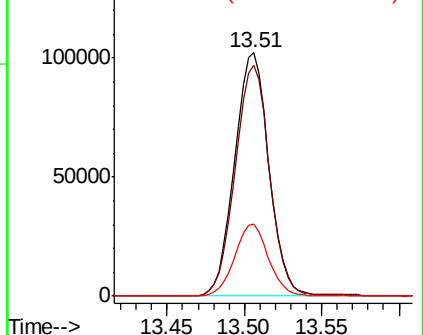
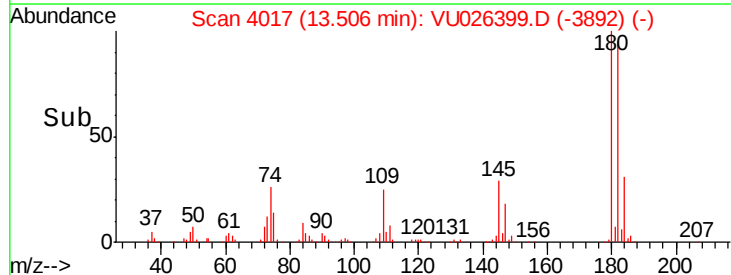


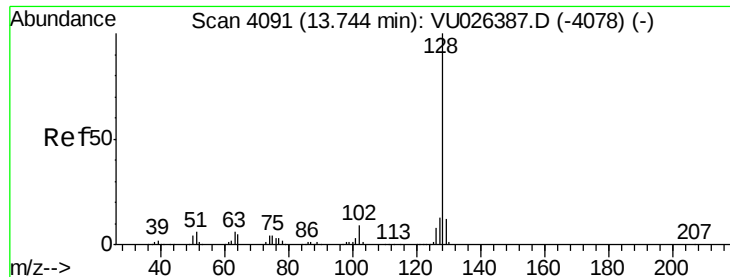
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 45.760 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD05058

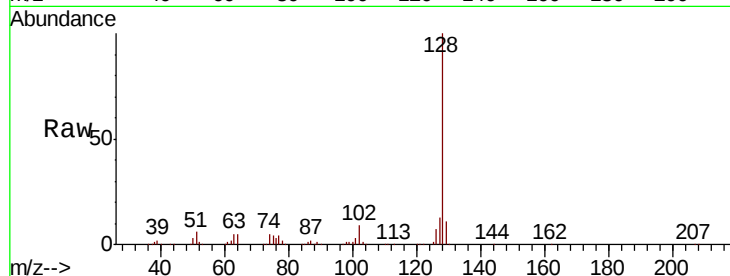
Tgt Ion:128 Resp: 481833

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

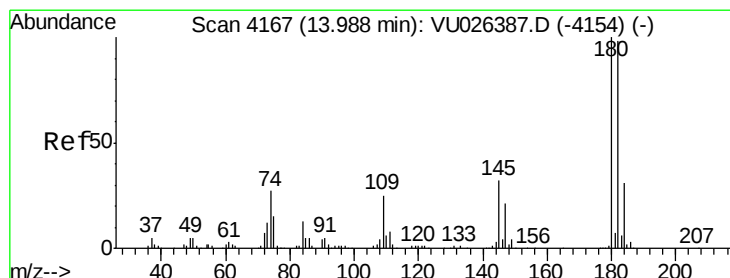
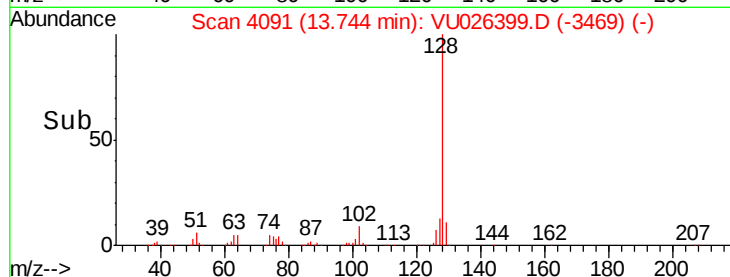
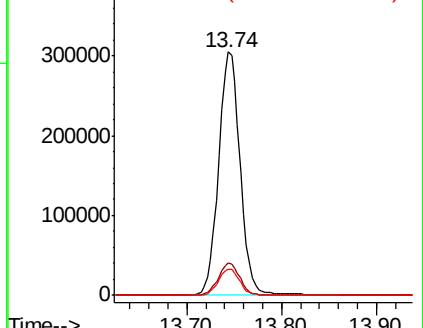
129 10.6 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 45.619 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026399.D

Acq: 27 Aug 2018 15:39

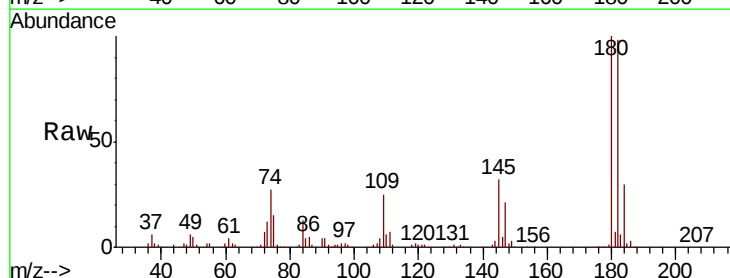
Tgt Ion:180 Resp: 171791

Ion Ratio Lower Upper

180 100

182 95.9 77.6 116.4

145 31.3 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

