

Data File : VU026526.D
Acq On : 04 Sep 2018 17:21
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Quant Time: Sep 05 01:12:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 05 01:11:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	178624	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168413	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	84919	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72211	65.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	130.50%
7) Chloroethane-d5	1.67	69	59640	59.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.34%
11) 1,1-Dichloroethene-d2	2.27	63	139341	55.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.82%
21) 2-Butanone-d5	4.18	46	91195	106.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.17%
24) Chloroform-d	4.65	84	113980	54.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.06%
26) 1,2-Dichloroethane-d4	5.31	65	76703	55.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.24%
32) Benzene-d6	5.34	84	231313	59.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.18%
36) 1,2-Dichloropropane-d6	6.33	67	76707	57.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.06%
41) Toluene-d8	7.57	98	220921	58.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	117.92%
43) trans-1,3-Dichloropropene-	7.85	79	34804	57.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.32%
47) 2-Hexanone-d5	8.31	63	72519	118.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111634	56.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	89420	58.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	65971	47.366 ug/L	98
3) Chloromethane	1.33	50	82610	48.036 ug/L	100
5) Vinyl chloride	1.40	62	87943	47.170 ug/L	97
6) Bromomethane	1.62	94	53237	48.165 ug/L	99
8) Chloroethane	1.70	64	53651	47.929 ug/L	99
9) Trichlorofluoromethane	1.88	101	114322	48.221 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67149	50.761 ug/L	99
12) 1,1-Dichloroethene	2.28	96	62983	49.398 ug/L	94
13) Acetone	2.32	43	66768	89.768 ug/L	100
14) Carbon disulfide	2.47	76	169174	46.886 ug/L	99
15) Methyl Acetate	2.62	43	70145	48.030 ug/L	99
16) Methylene chloride	2.70	84	64003	48.825 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	56818	49.267 ug/L	93
18) Methyl tert-butyl Ether	3.00	73	180871	51.664 ug/L	99
19) 1,1-Dichloroethane	3.45	63	112784	49.771 ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	64857	50.202 ug/L	98
22) 2-Butanone	4.26	43	98224	98.248 ug/L	100

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QLast Update : Wed Sep 05 01:11:08 2018
Response via : Initial Calibration

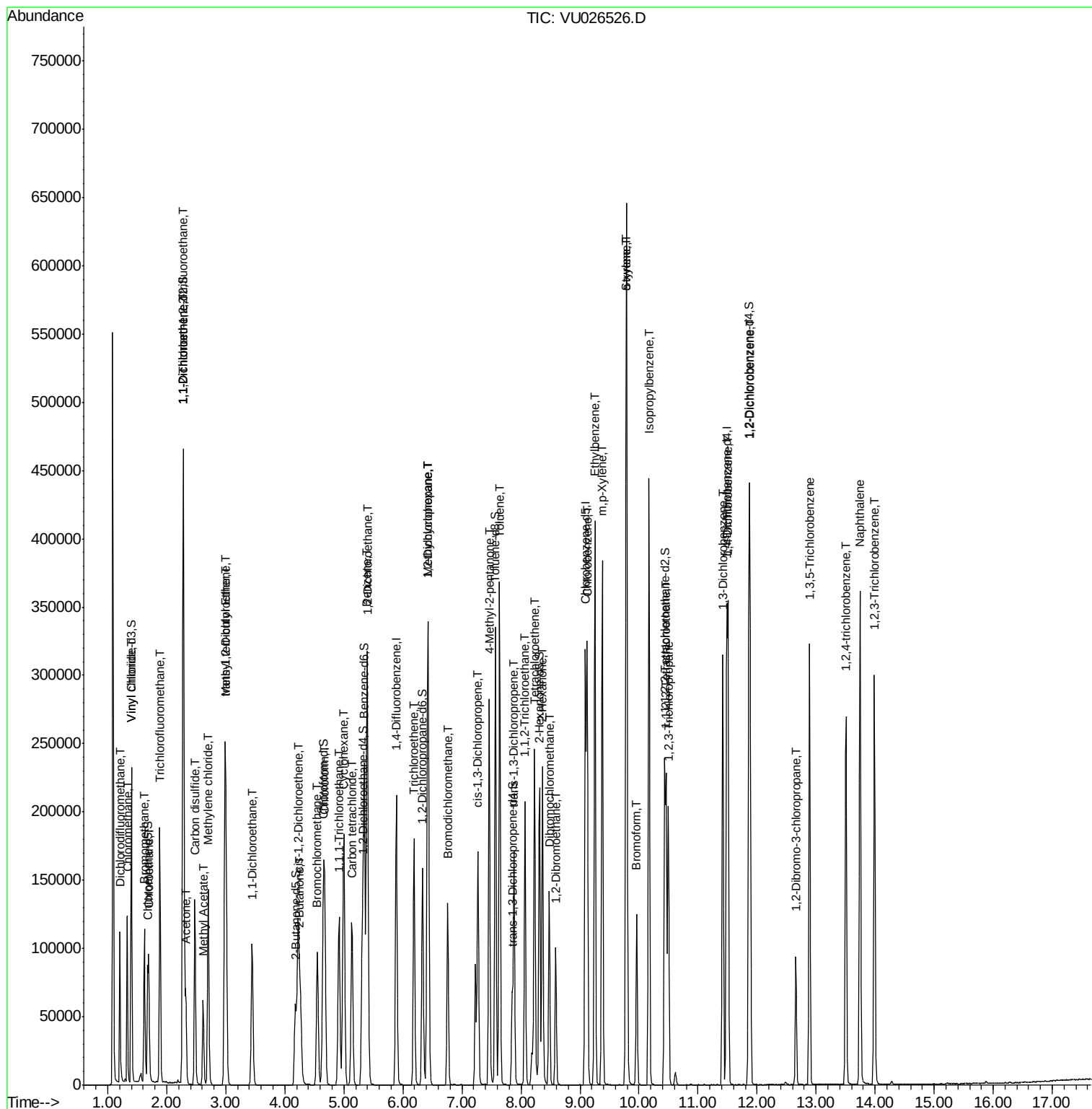
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	33429	50.224	ug/L	93
25) Chloroform	4.67	83	118401	51.163	ug/L	97
27) 1,2-Dichloroethane	5.41	62	89716	48.068	ug/L	99
29) Cyclohexane	5.00	56	96689	52.693	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	96029	51.815	ug/L	98
31) Carbon tetrachloride	5.14	117	85758	50.928	ug/L	99
33) Benzene	5.39	78	249701	51.717	ug/L	100
34) Trichloroethene	6.19	95	61311	50.626	ug/L	99
35) Methylcyclohexane	6.42	83	100165	52.968	ug/L	99
37) 1,2-Dichloropropane	6.44	63	70452	52.709	ug/L	99
38) Bromodichloromethane	6.76	83	86282	50.620	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	99267	52.121	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	186649	103.544	ug/L	99
42) Toluene	7.64	91	262820	52.168	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	92478	50.944	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	62336	50.908	ug/L	98
46) Tetrachloroethene	8.23	164	53785	54.321	ug/L	97
48) 2-Hexanone	8.36	43	147175	103.666	ug/L	99
49) Dibromochloromethane	8.48	129	72417	52.487	ug/L	96
50) 1,2-Dibromoethane	8.59	107	66737	51.182	ug/L	97
51) Chlorobenzene	9.12	112	166426	49.399	ug/L	99
52) Ethylbenzene	9.25	91	281875	51.443	ug/L	99
53) m,p-Xylene	9.38	106	107436	52.512	ug/L	100
54) o-xylene	9.78	106	106934	53.596	ug/L	96
55) Styrene	9.80	104	184205	52.850	ug/L	99
56) Isopropylbenzene	10.17	105	273366	52.342	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	107092	49.651	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	83615	50.134	ug/L	98
61) Bromoform	9.96	173	55649	53.096	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	126310	50.830	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	127903	48.664	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	136343	52.020	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	22012	49.946	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	100682	50.206	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	85995	49.097	ug/L	100
69) Naphthalene	13.74	128	280778	51.342	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	96371	50.108	ug/L	99

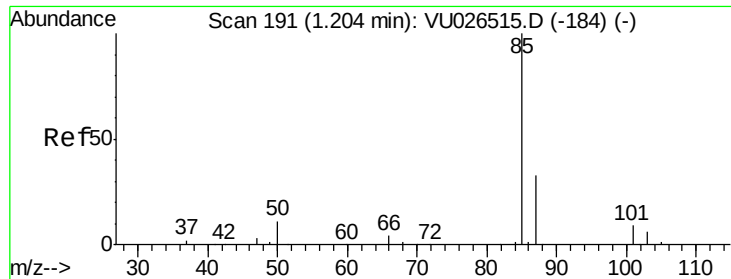
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 13 Sample Multiplier: 1

VSTD05043

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#2

Dichlorodifluoromethane

Concen: 47.366 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026526.D

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Instrument :

MSVOA_U

ClientSampleId :

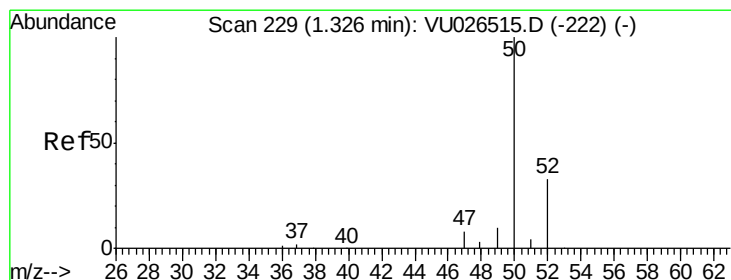
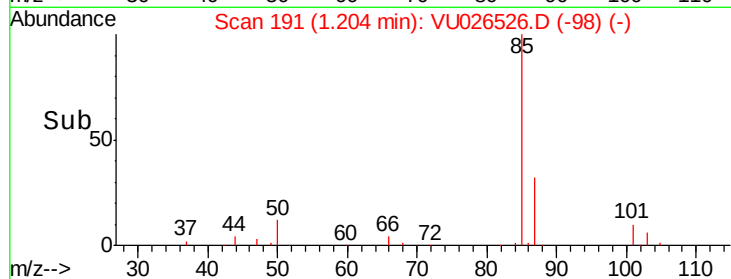
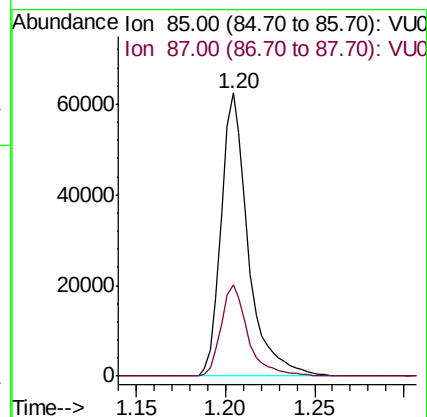
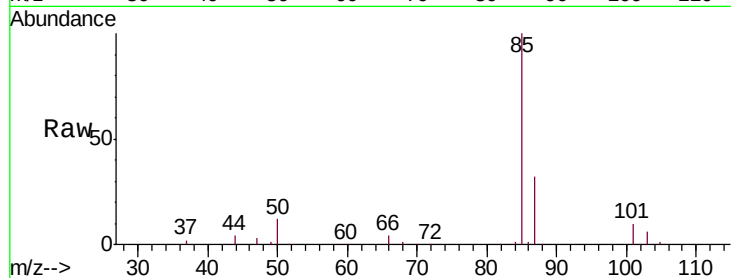
VSTD05043

Tgt Ion: 85 Resp: 65971

Ion Ratio Lower Upper

85 100

87 32.1 26.6 39.8



#3

Chloromethane

Concen: 48.036 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026526.D

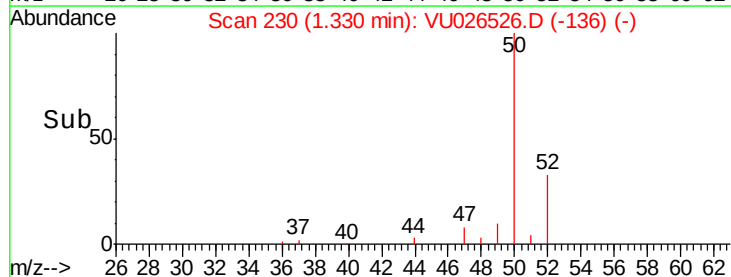
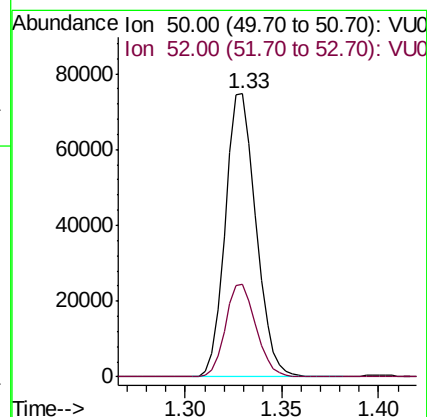
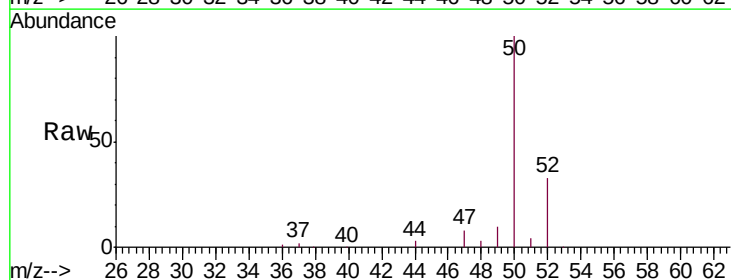
Acq: 04 Sep 2018 17:21

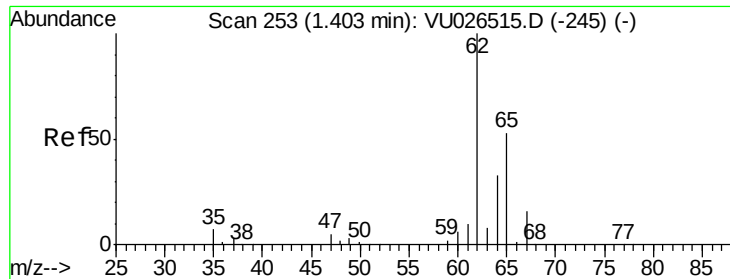
Tgt Ion: 50 Resp: 82610

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6





#5

Vinyl chloride

Concen: 47.170 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

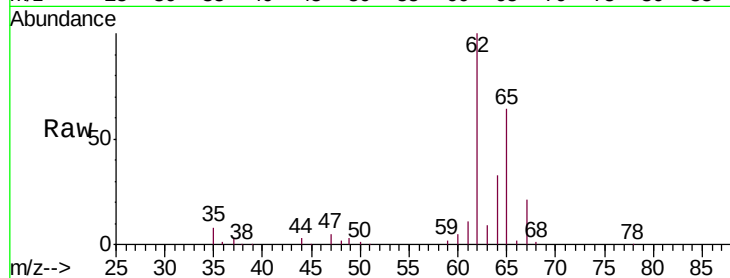
VSTD05043

Tgt Ion: 62 Resp: 87943

Ion Ratio Lower Upper

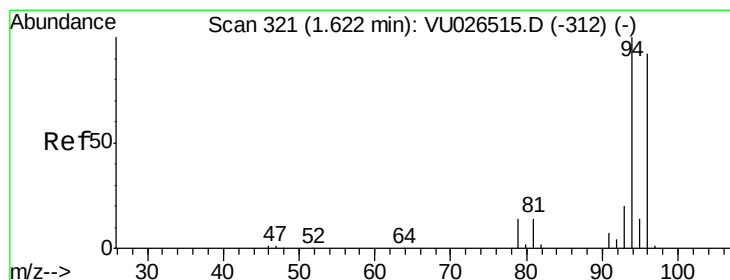
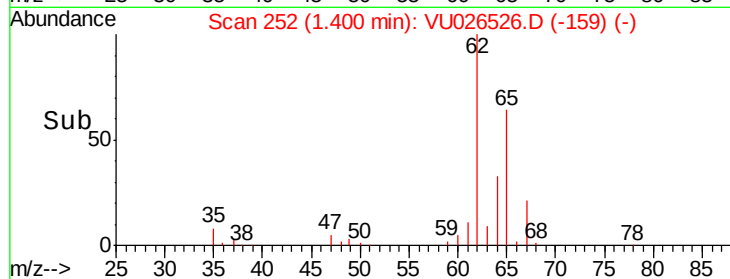
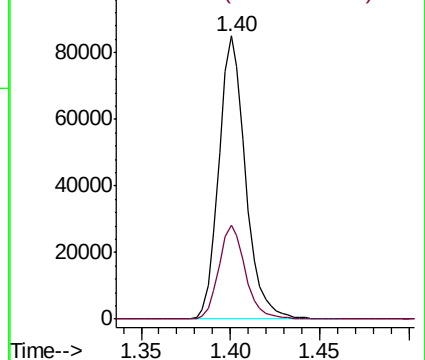
62 100

64 33.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 48.165 ug/L

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU026526.D

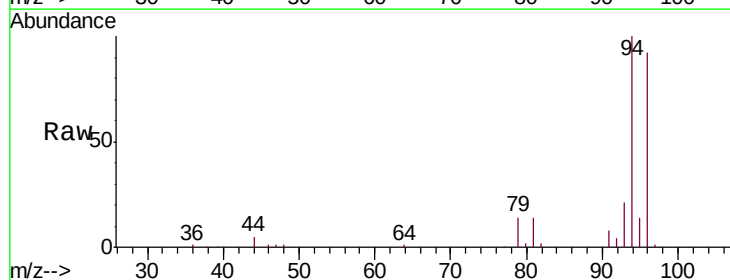
Acq: 04 Sep 2018 17:21

Tgt Ion: 94 Resp: 53237

Ion Ratio Lower Upper

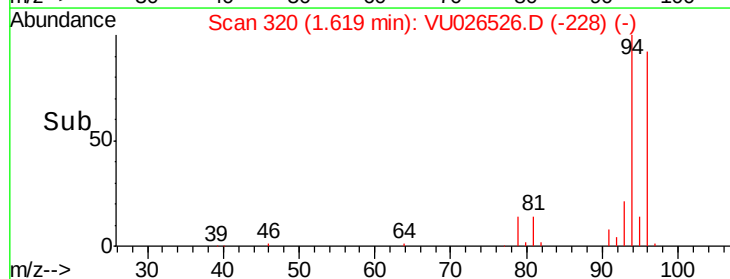
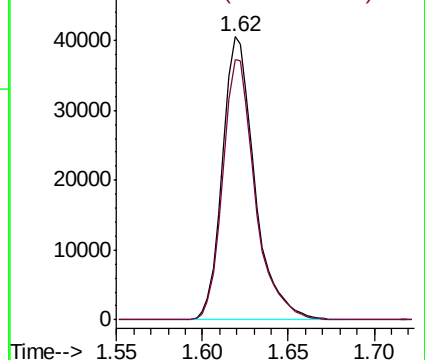
94 100

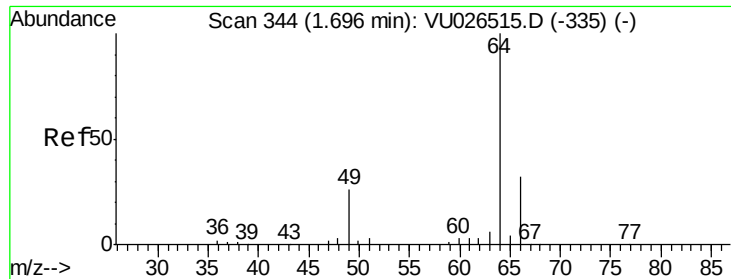
96 92.2 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 47.929 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

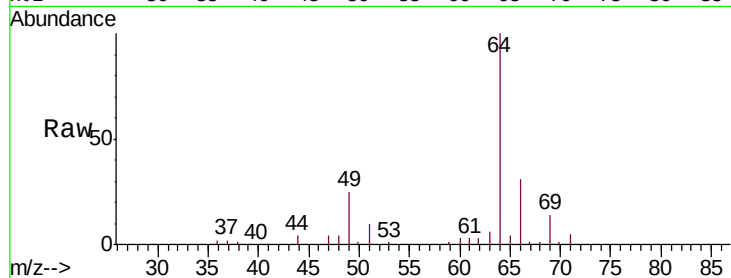
VSTD05043

Tgt Ion: 64 Resp: 53651

Ion Ratio Lower Upper

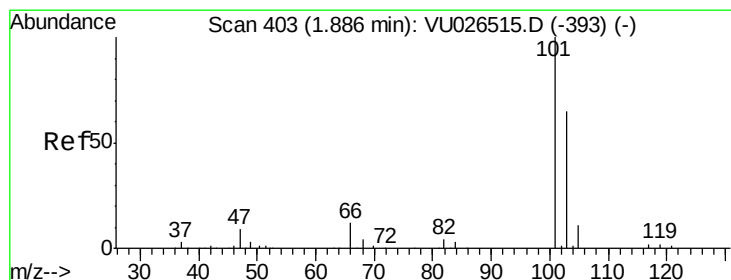
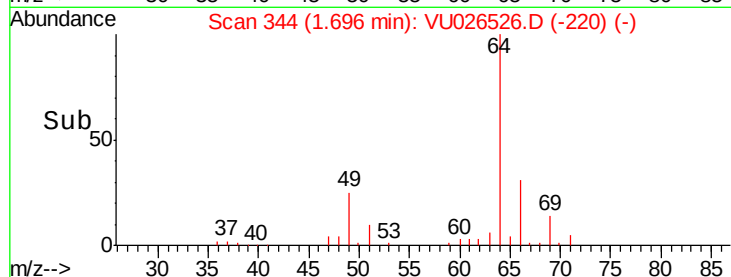
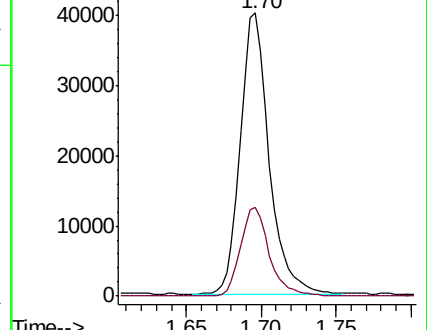
64 100

66 31.4 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026515.D (-335) (-)

Ion 66.00 (65.70 to 66.70): VU026515.D (-335) (-)



#9

Trichlorofluoromethane

Concen: 48.221 ug/L

RT: 1.88 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU026526.D

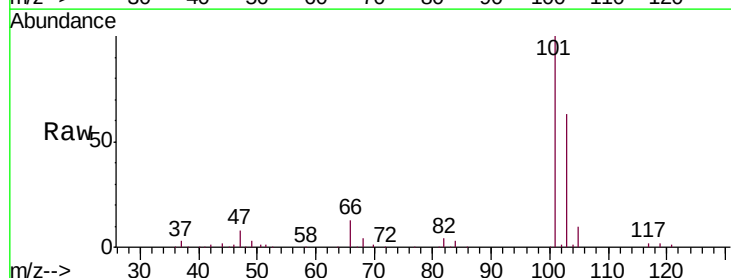
Acq: 04 Sep 2018 17:21

Tgt Ion: 101 Resp: 114322

Ion Ratio Lower Upper

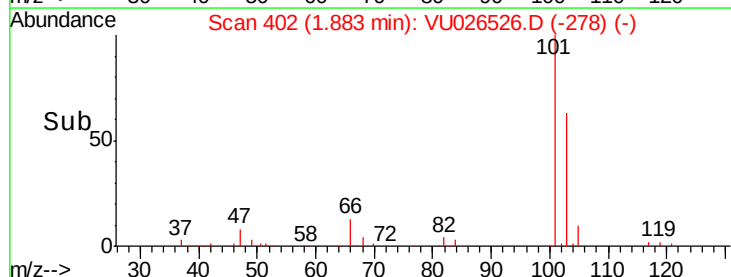
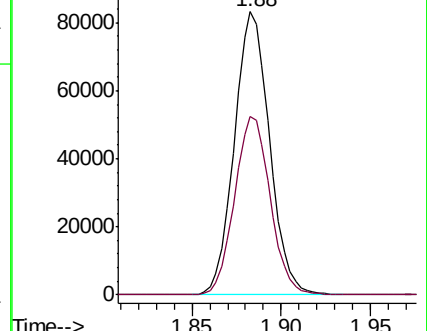
101 100

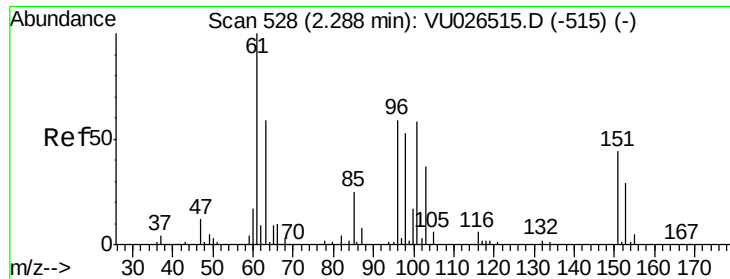
103 63.8 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026515.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU026515.D (-393) (-)





#10

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

Concen: 50.761 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

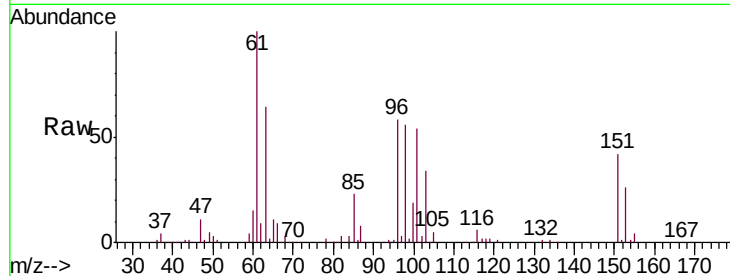
Tgt Ion:101 Resp: 67149

Ion Ratio Lower Upper

101 100

85 42.5 35.3 52.9

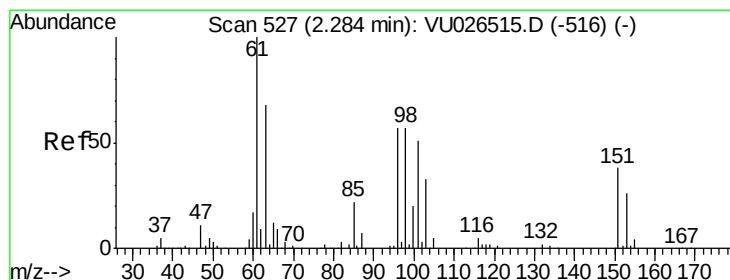
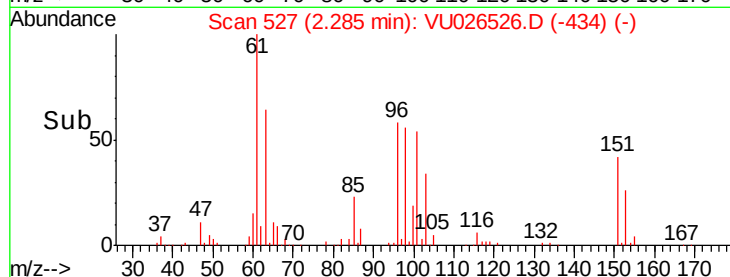
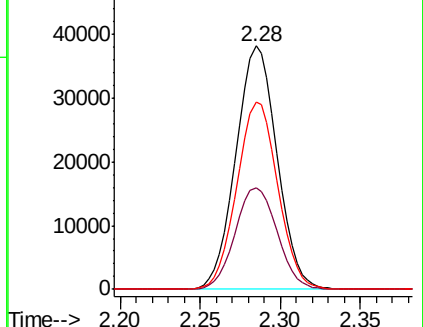
151 76.6 60.7 91.1



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: 49.398 ug/L

RT: 2.28 min Scan# 526

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

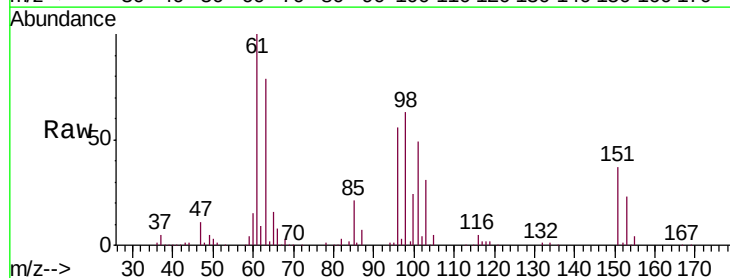
Tgt Ion: 96 Resp: 62983

Ion Ratio Lower Upper

96 100

61 180.0 129.3 240.1

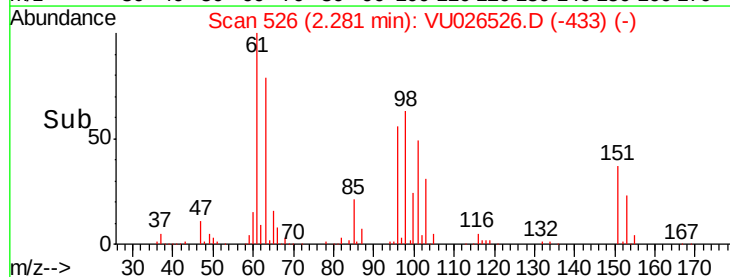
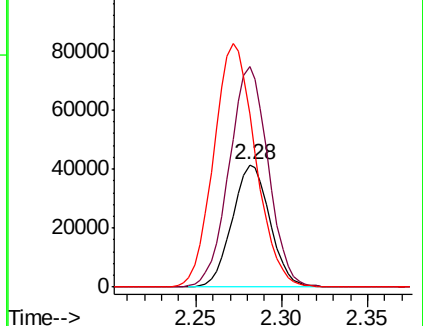
63 141.8 91.7 170.3

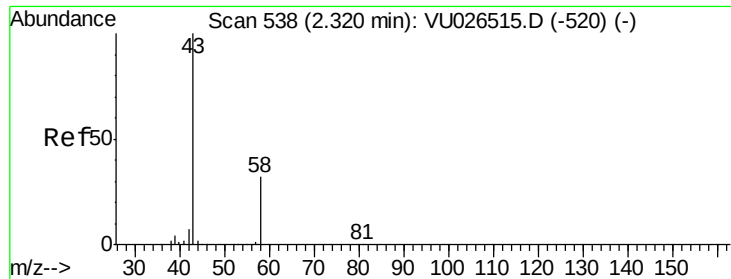


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.768 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

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ClientSampleId :

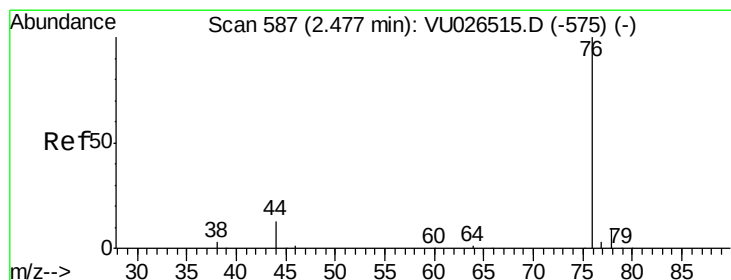
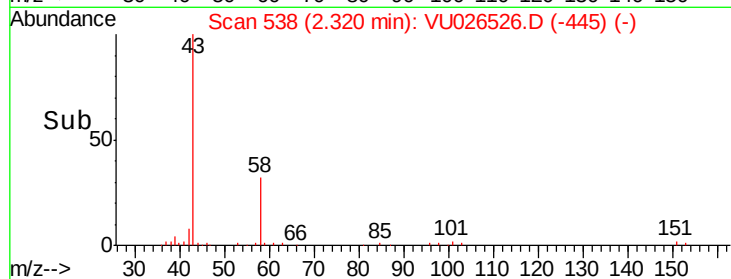
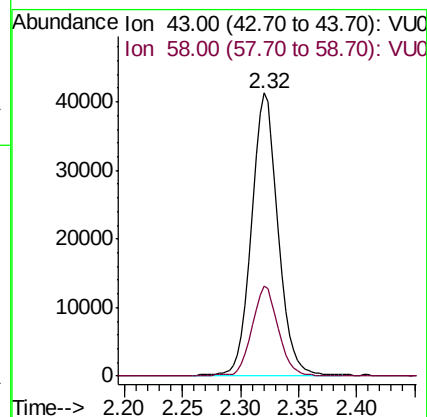
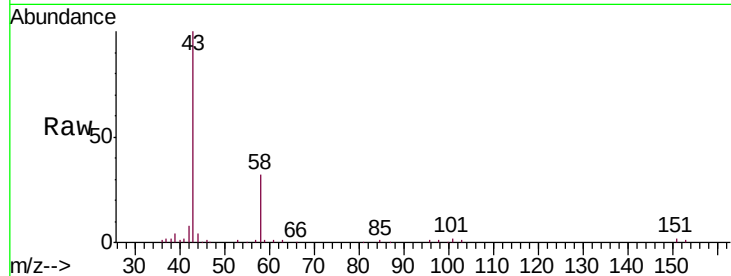
VSTD05043

Tgt Ion: 43 Resp: 66768

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#14

Carbon disulfide

Concen: 46.886 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU026526.D

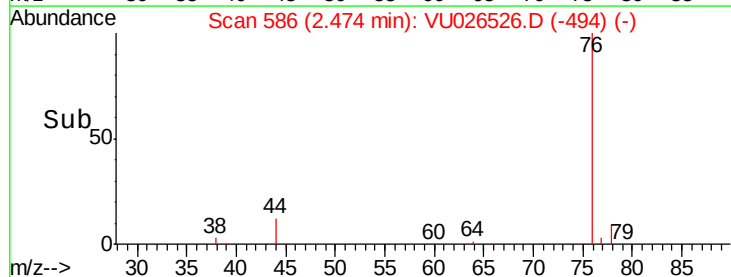
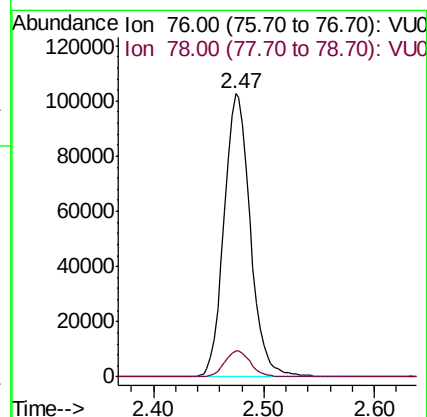
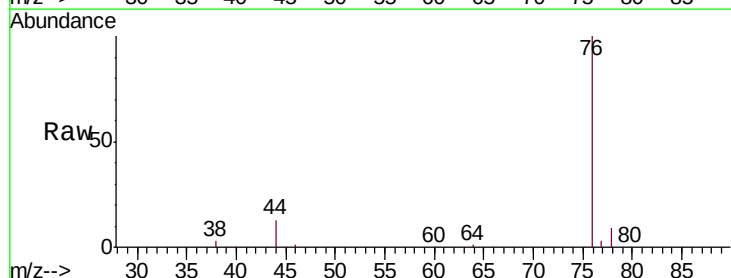
Acq: 04 Sep 2018 17:21

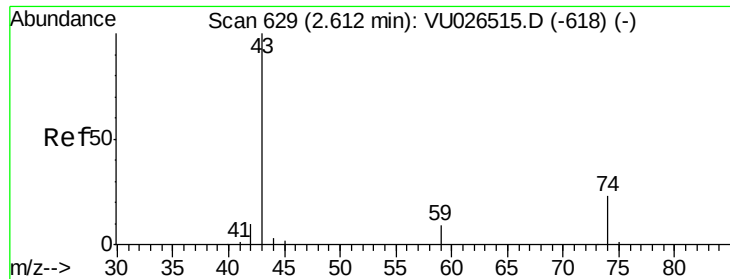
Tgt Ion: 76 Resp: 169174

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

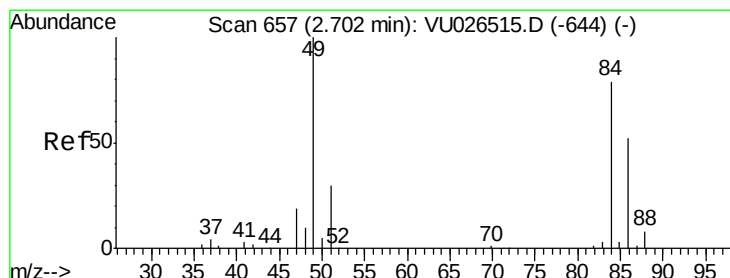
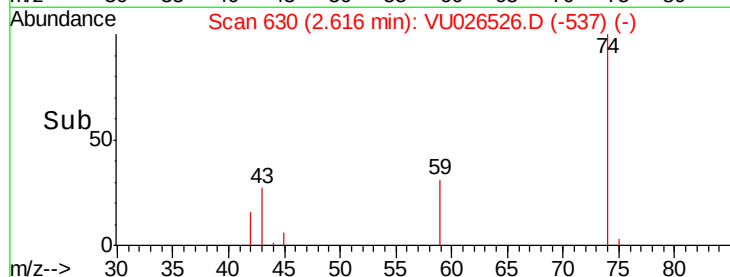
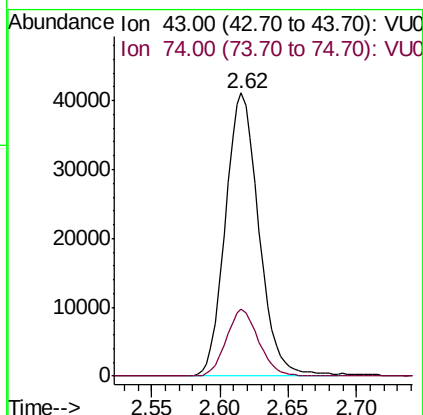
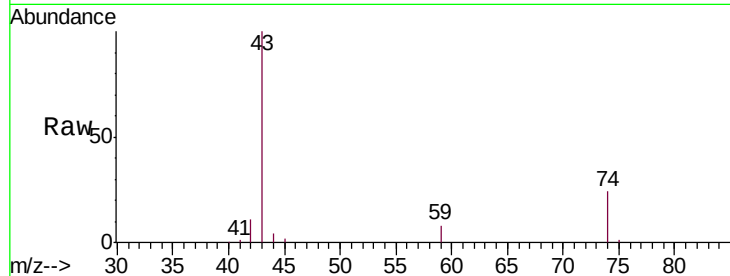




#15
Methyl Acetate
Concen: 48.030 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

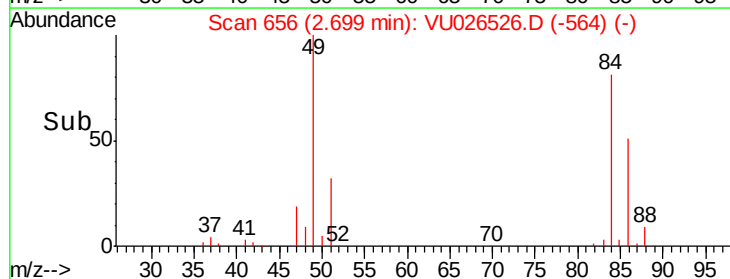
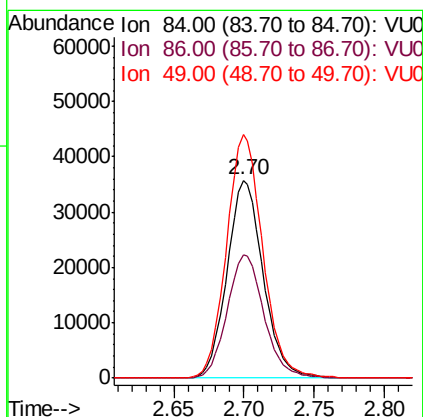
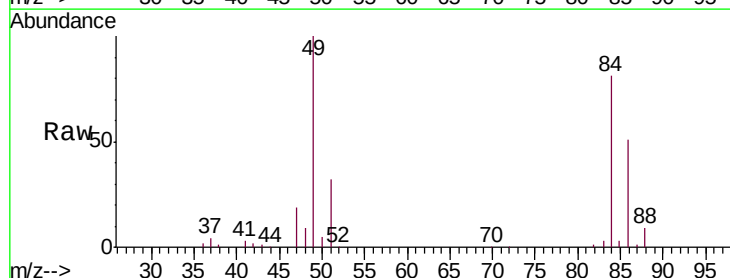
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

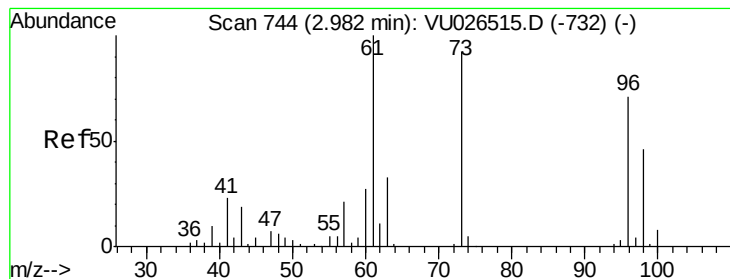
Tgt Ion: 43 Resp: 70145
Ion Ratio Lower Upper
43 100
74 22.9 17.8 26.6



#16
Methylene chloride
Concen: 48.825 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

Tgt Ion: 84 Resp: 64003
Ion Ratio Lower Upper
84 100
86 62.3 46.2 85.8
49 123.2 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 49.267 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

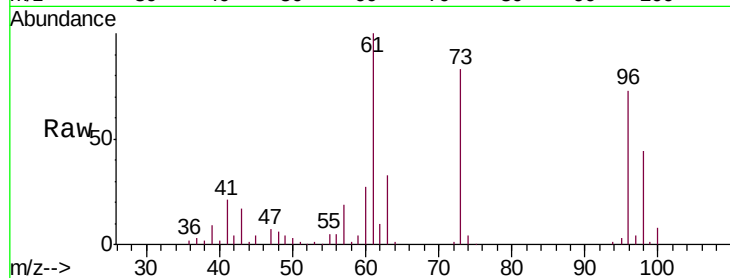
Tgt Ion: 96 Resp: 56818

Ion Ratio Lower Upper

96 100

61 137.3 103.2 191.6

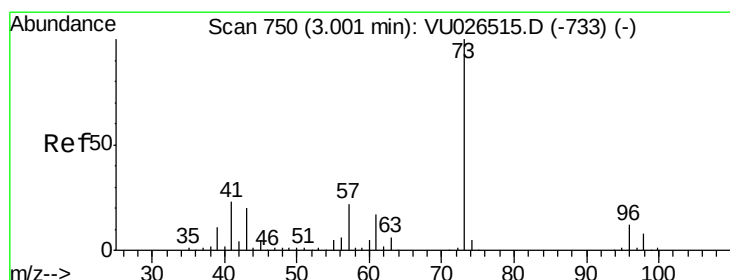
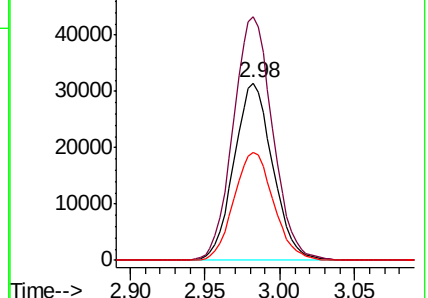
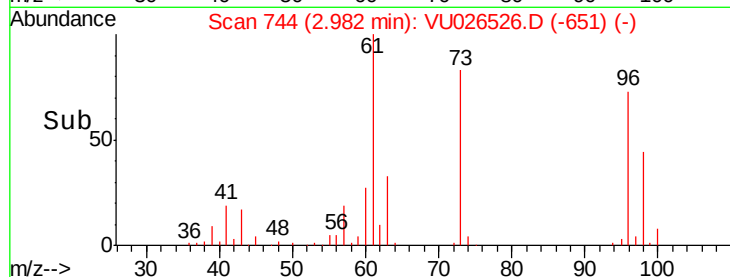
98 61.0 44.9 83.3



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: 51.664 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

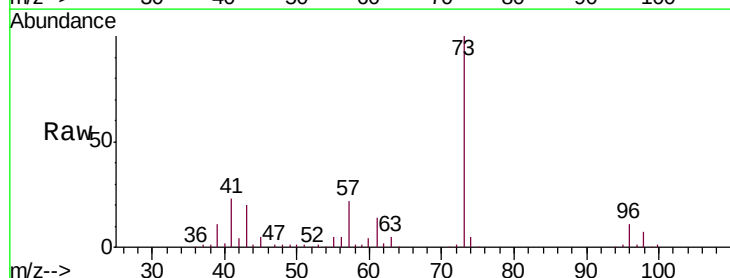
Tgt Ion: 73 Resp: 180871

Ion Ratio Lower Upper

73 100

43 20.1 16.6 25.0

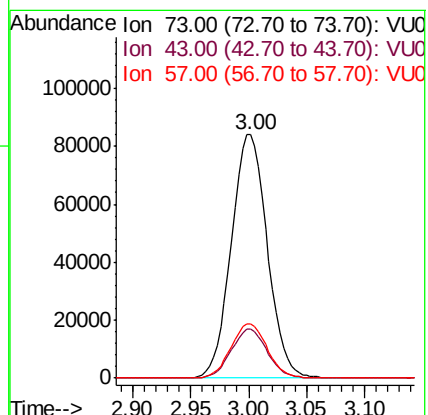
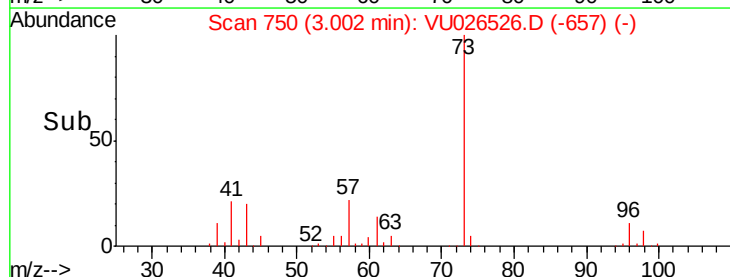
57 22.4 18.2 27.2

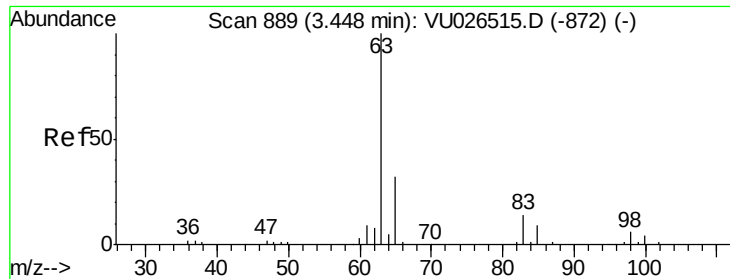


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

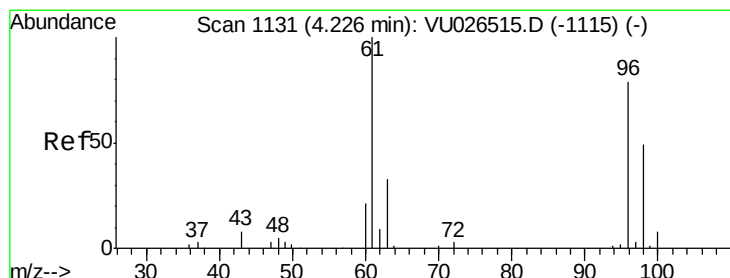
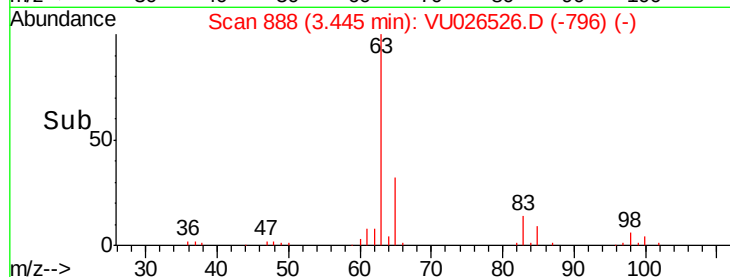
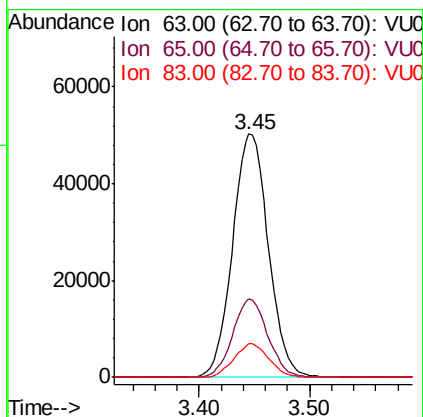
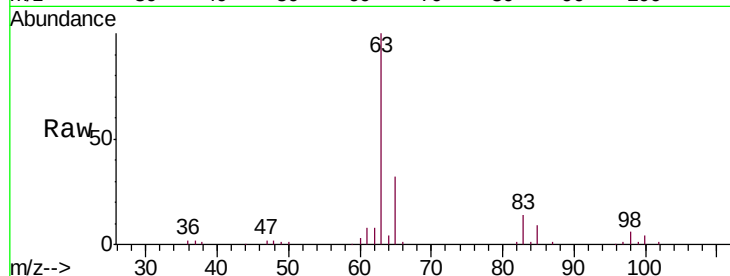




#19
 1,1-Dichloroethane
 Concen: 49.771 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

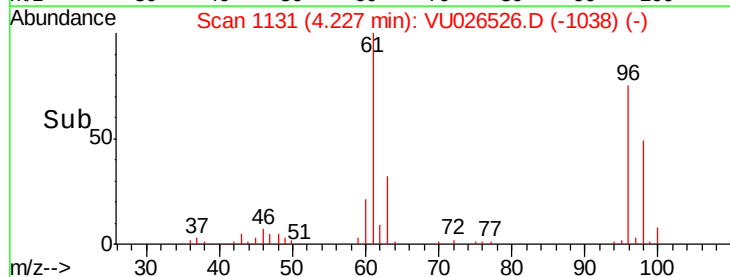
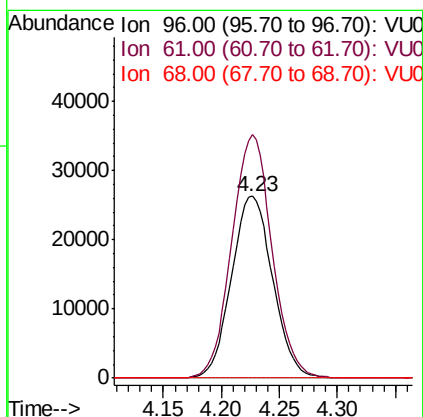
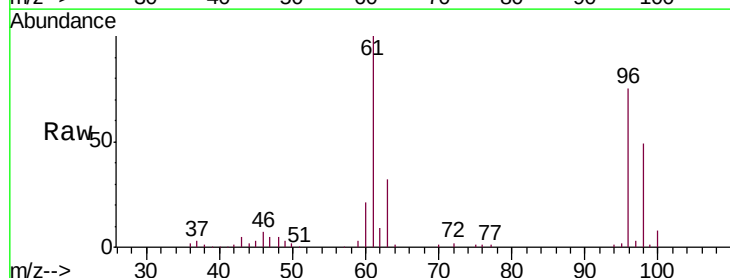
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

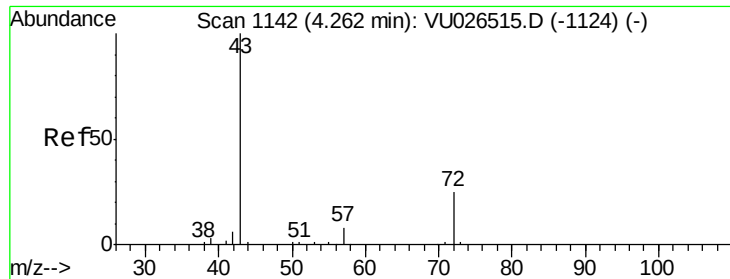
Tgt Ion: 63 Resp: 112784
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.6 40.2
 83 13.6 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 50.202 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

Tgt Ion: 96 Resp: 64857
 Ion Ratio Lower Upper
 96 100
 61 133.7 91.6 170.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.248 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

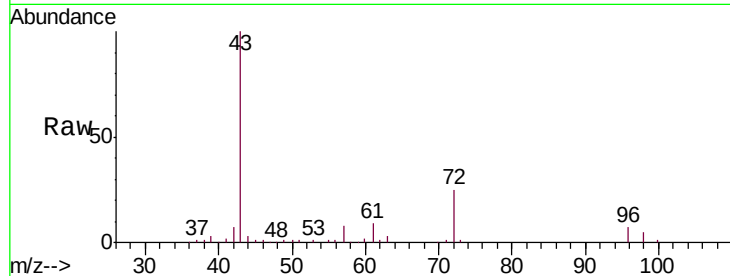
VSTD05043

Tgt Ion: 43 Resp: 98224

Ion Ratio Lower Upper

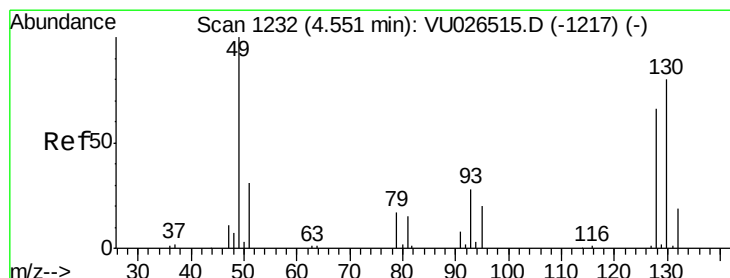
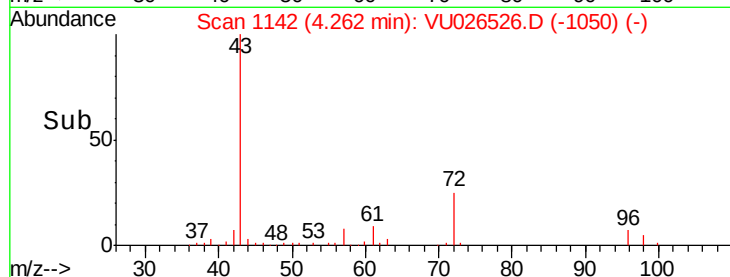
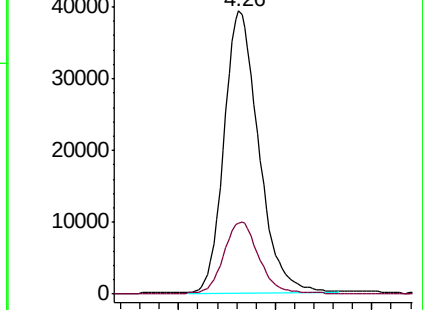
43 100

72 26.1 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026515.D (-1124) (-)

Ion 72.00 (71.70 to 72.70): VU026515.D (-1124) (-)



#23

Bromochloromethane

Concen: 50.224 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Tgt Ion: 128 Resp: 33429

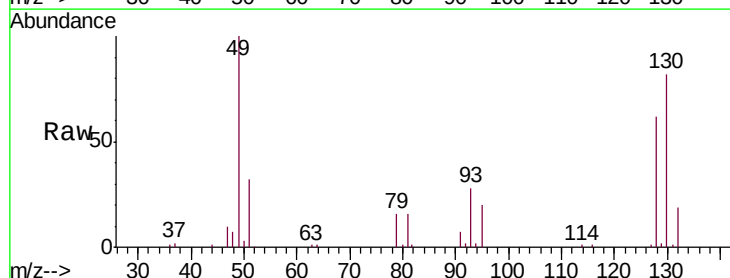
Ion Ratio Lower Upper

128 100

49 160.1 121.2 225.0

130 131.4 94.1 174.7

51 50.8 45.1 67.7

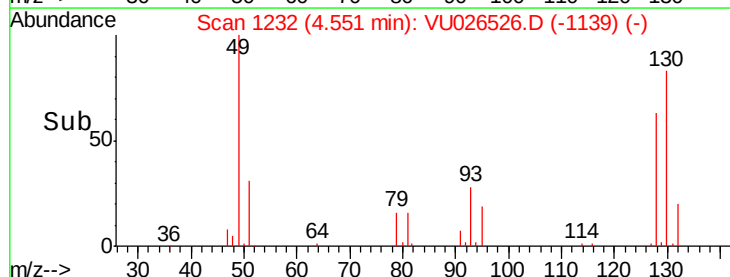
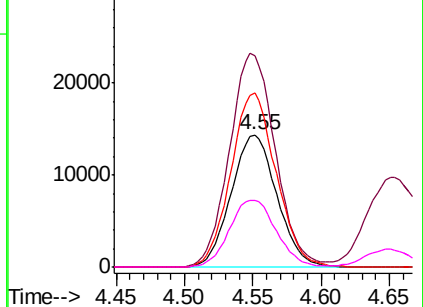


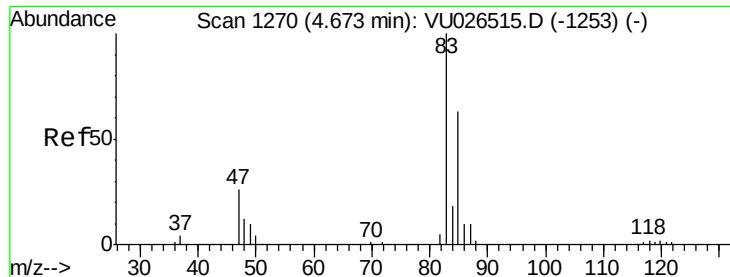
Abundance Ion 128.00 (127.70 to 128.70): VU026515.D (-1217) (-)

Ion 49.00 (48.70 to 49.70): VU026515.D (-1217) (-)

Ion 130.00 (129.70 to 130.70): VU026515.D (-1217) (-)

Ion 51.00 (50.70 to 51.70): VU026515.D (-1217) (-)

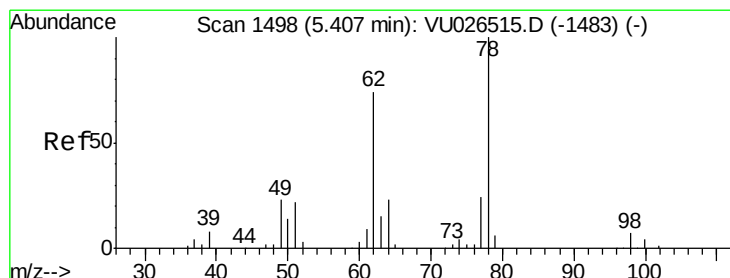
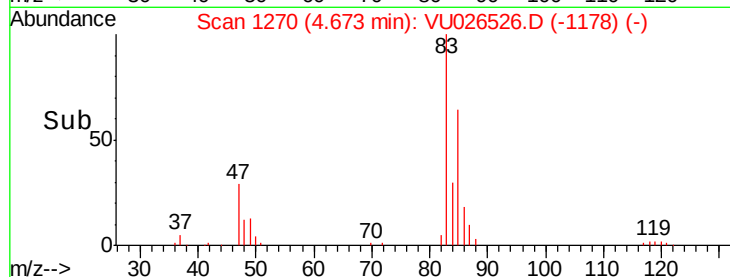
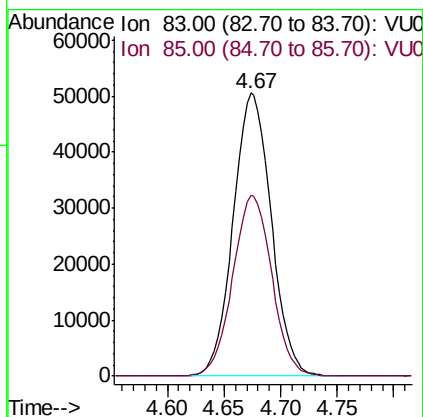
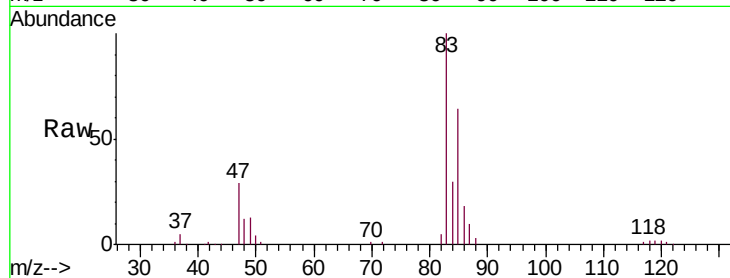




#25
Chloroform
Concen: 51.163 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

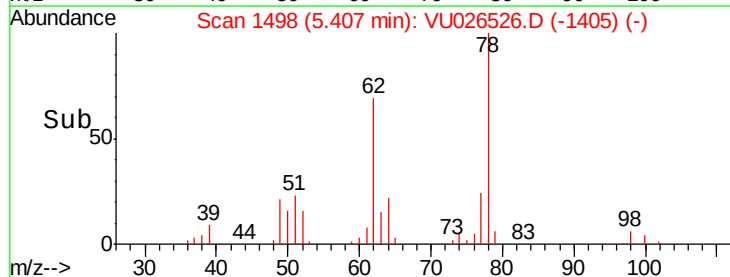
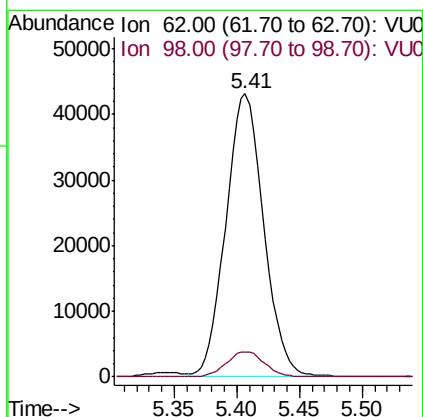
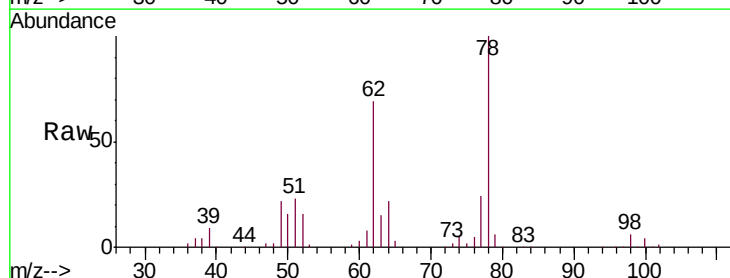
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

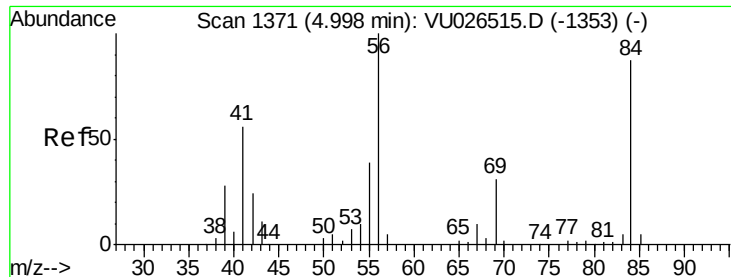
Tgt Ion: 83 Resp: 118401
Ion Ratio Lower Upper
83 100
85 64.0 46.5 86.5



#27
1,2-Dichloroethane
Concen: 48.068 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

Tgt Ion: 62 Resp: 89716
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2

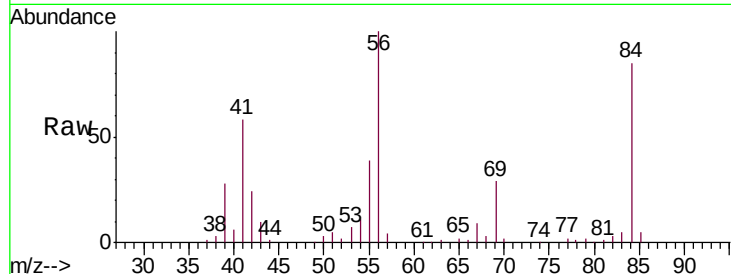




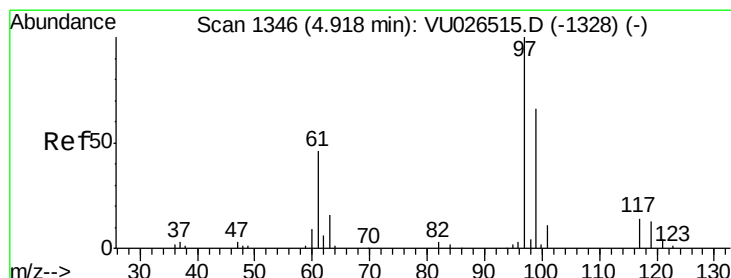
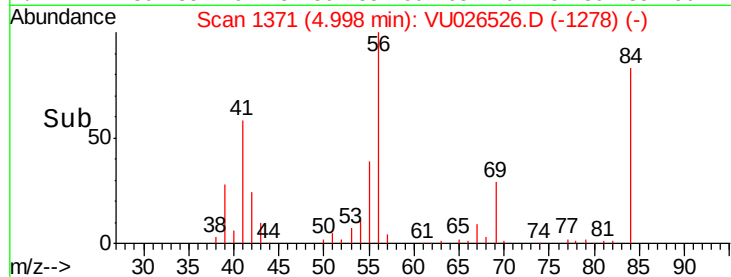
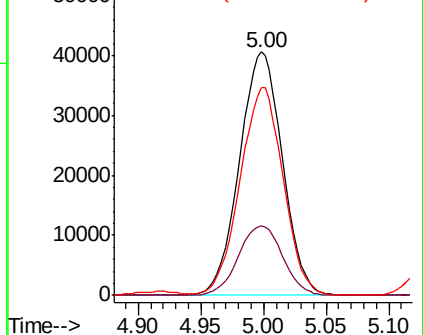
#29
Cyclohexane
Concen: 52.693 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion: 56 Resp: 96689
Ion Ratio Lower Upper
56 100
69 29.4 24.0 36.0
84 85.7 67.2 100.8

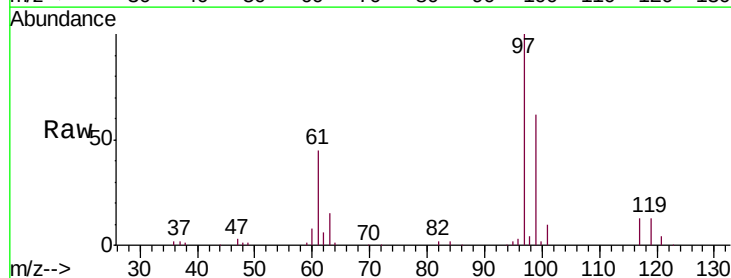


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

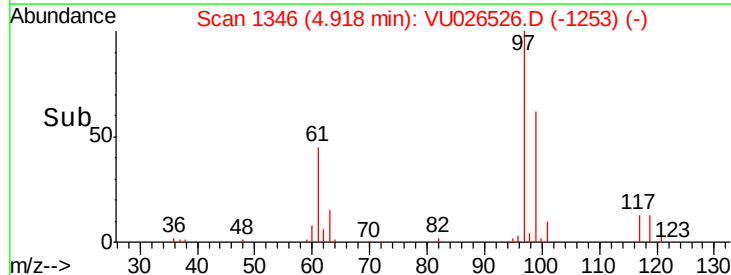
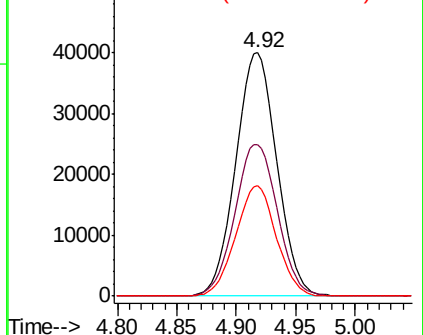


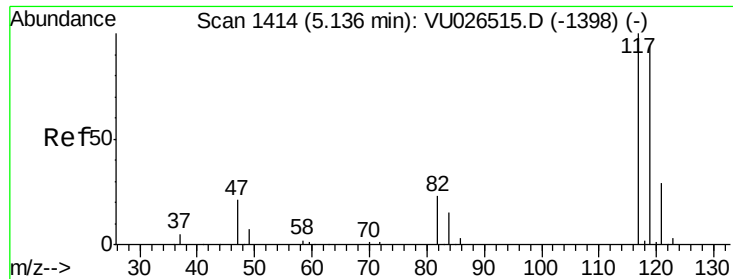
#30
1,1,1-Trichloroethane
Concen: 51.815 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

Tgt Ion: 97 Resp: 96029
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 44.6 37.9 56.9



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

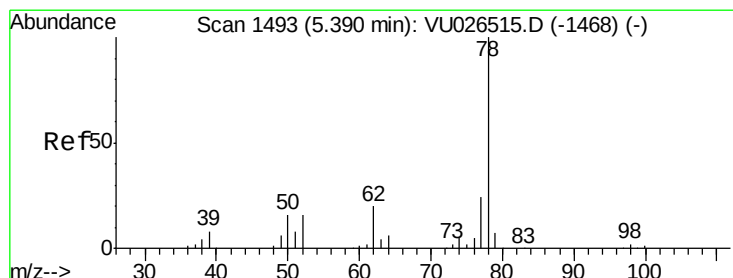
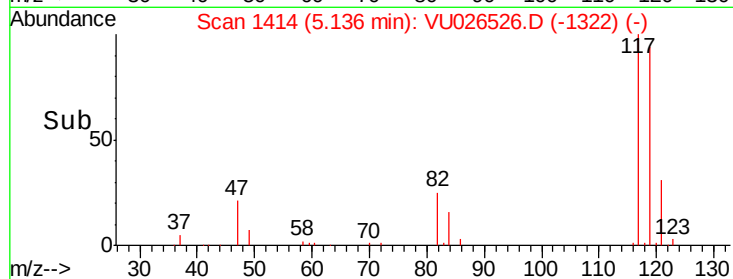
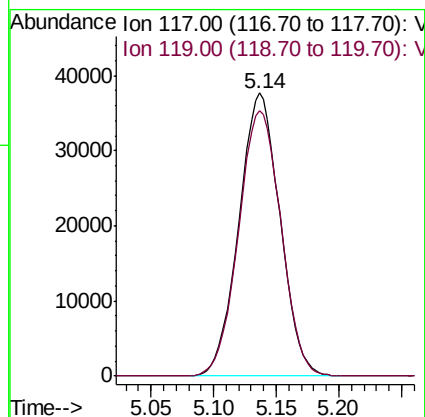
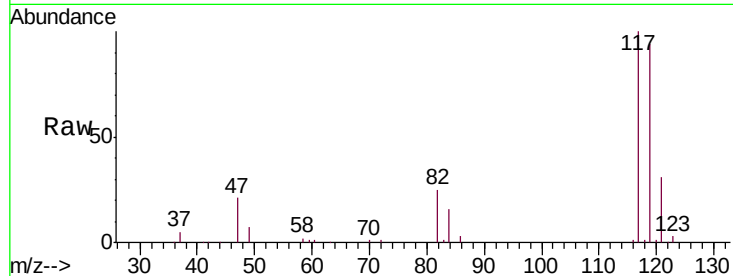




#31
Carbon tetrachloride
Concen: 50.928 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

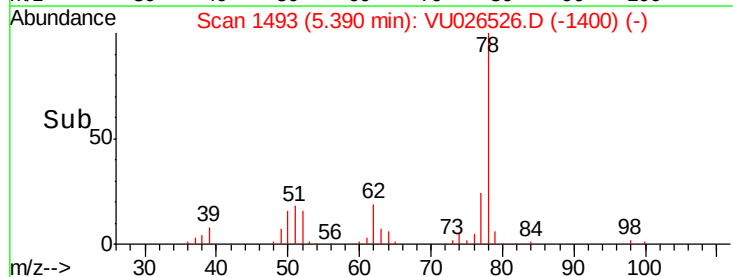
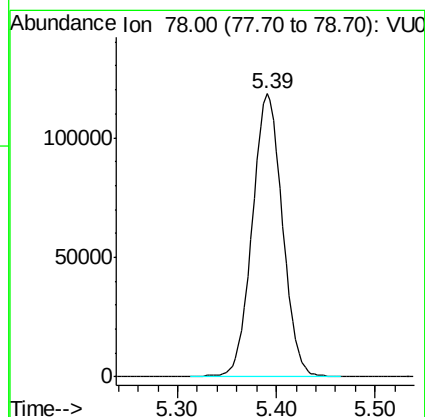
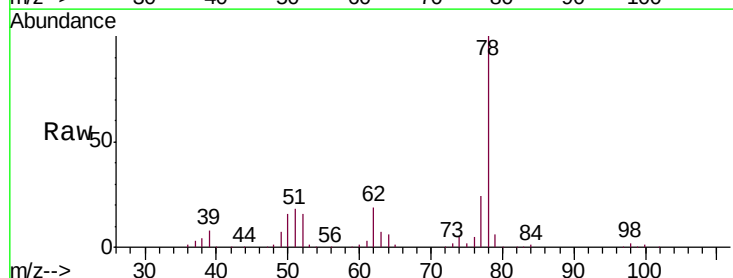
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

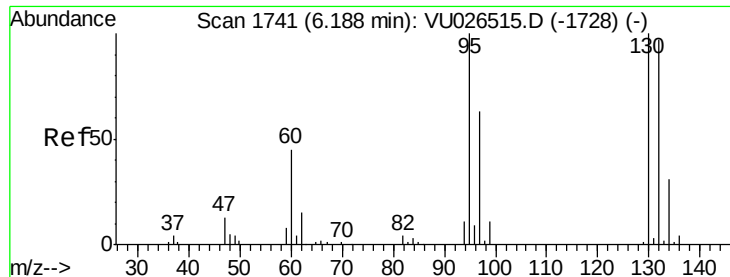
Tgt Ion:117 Resp: 85758
Ion Ratio Lower Upper
117 100
119 96.8 76.4 114.6



#33
Benzene
Concen: 51.717 ug/L
RT: 5.39 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

Tgt Ion: 78 Resp: 249701





#34

Trichloroethene

Concen: 50.626 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 95 Resp: 61311

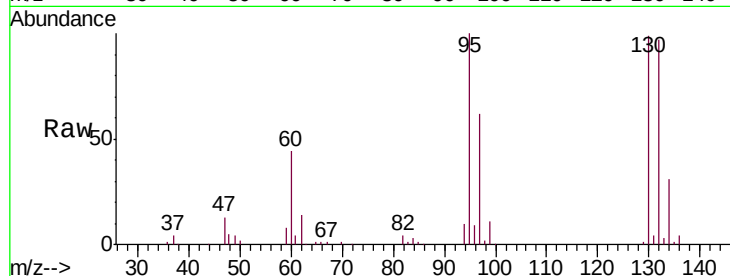
Ion Ratio Lower Upper

95 100

97 62.5 45.1 83.7

132 96.8 67.5 125.3

130 99.4 69.3 128.7

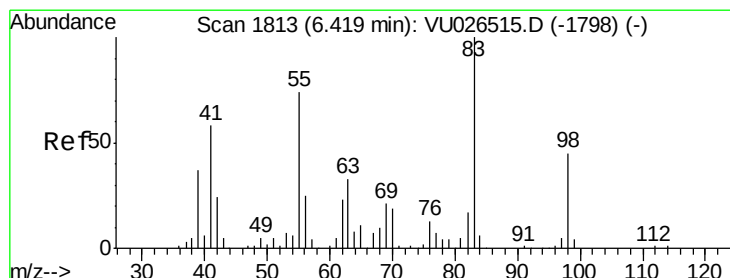
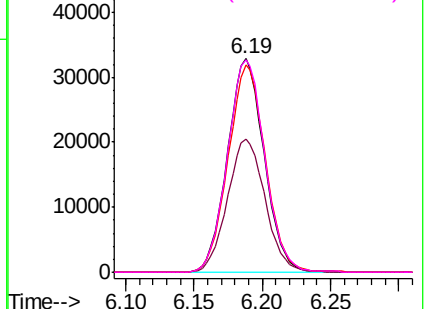
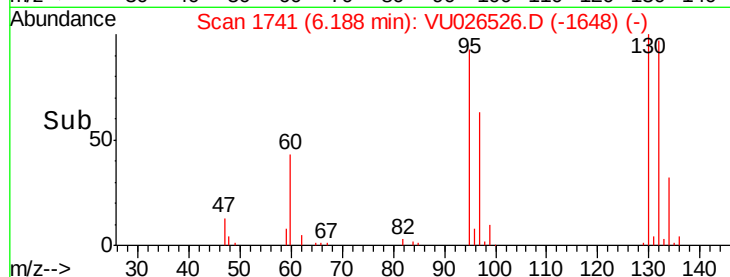


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.968 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

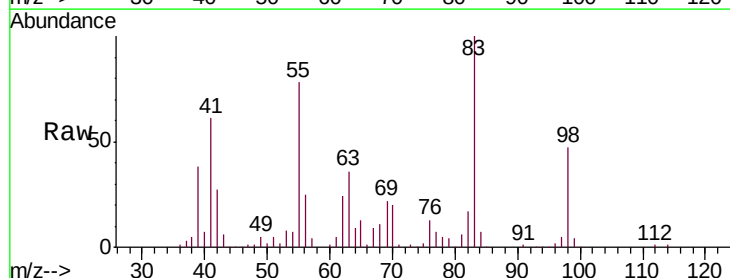
Tgt Ion: 83 Resp: 100165

Ion Ratio Lower Upper

83 100

55 78.5 63.3 94.9

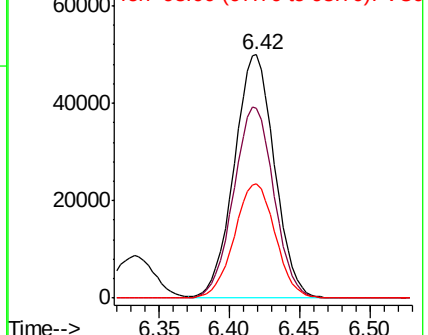
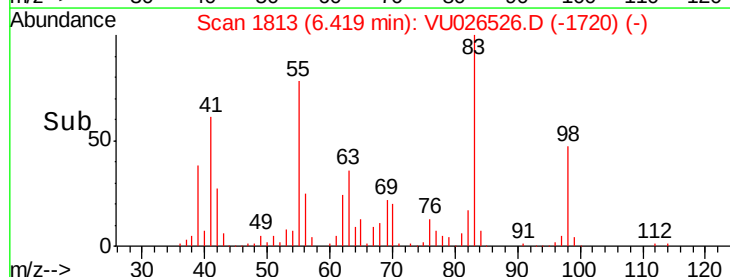
98 47.6 36.7 55.1

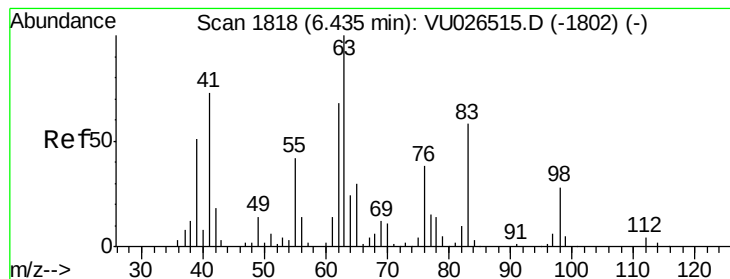


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.709 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

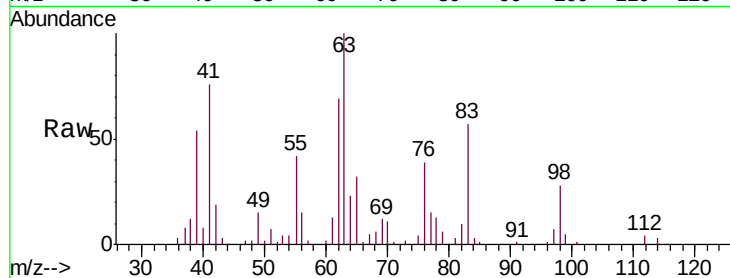
VSTD05043

Tgt Ion: 63 Resp: 70452

Ion Ratio Lower Upper

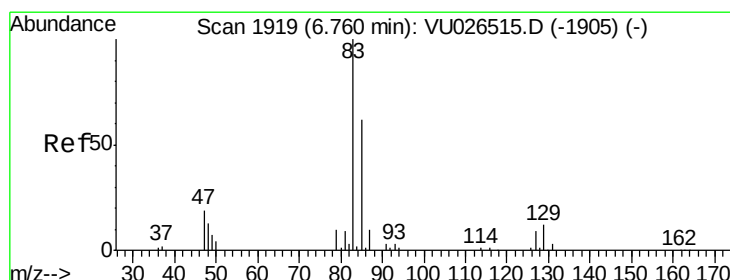
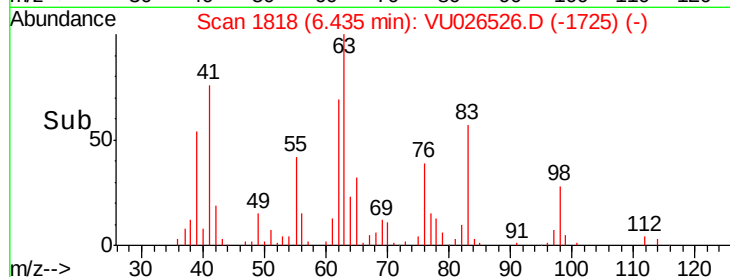
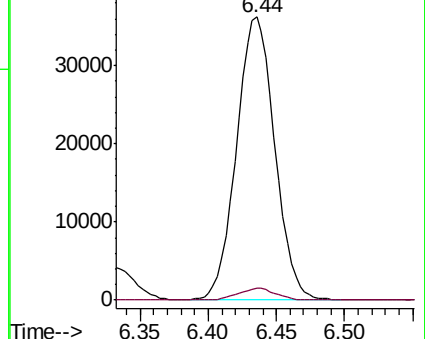
63 100

112 4.0 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 50.620 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

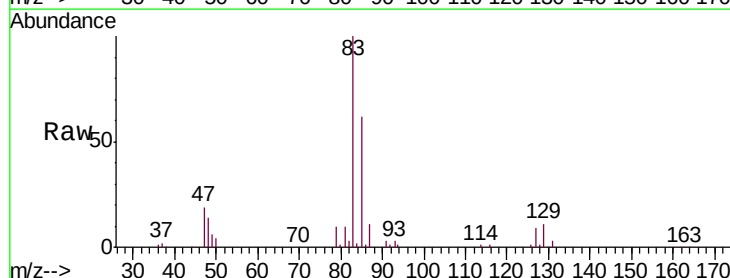
Tgt Ion: 83 Resp: 86282

Ion Ratio Lower Upper

83 100

85 62.5 43.9 81.5

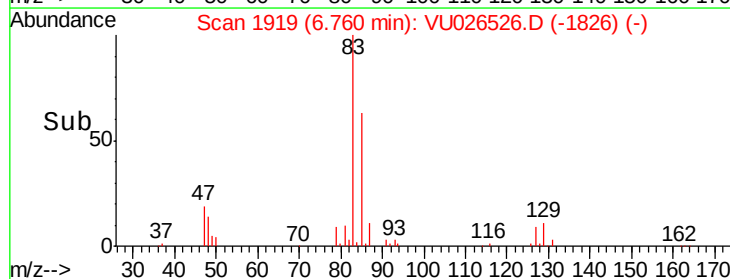
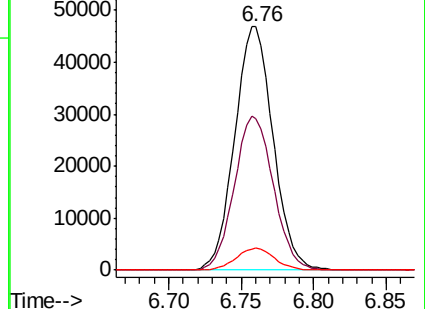
127 9.1 7.0 10.6

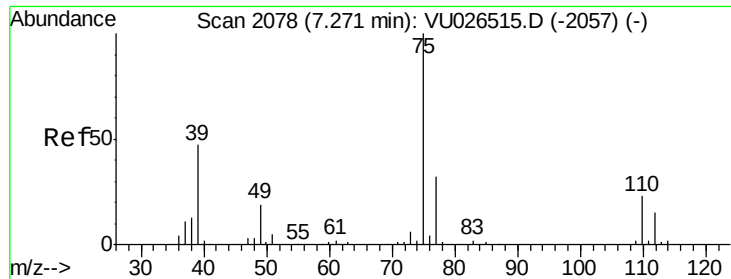


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

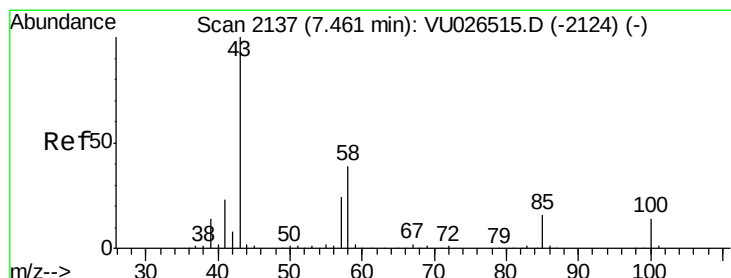
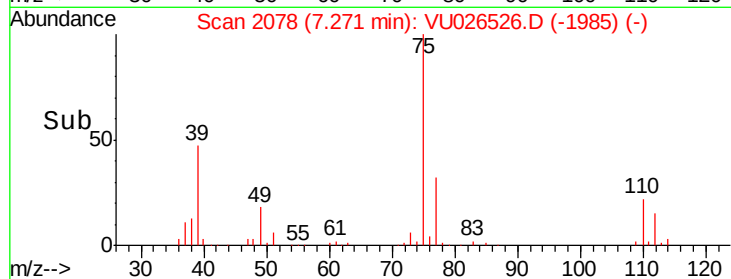
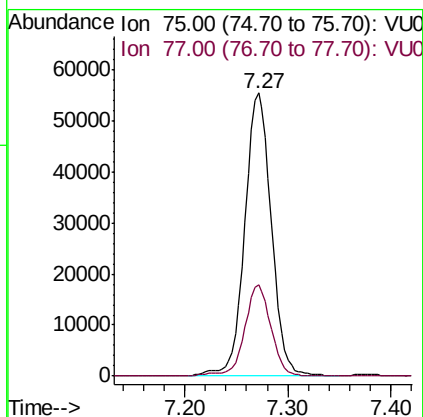
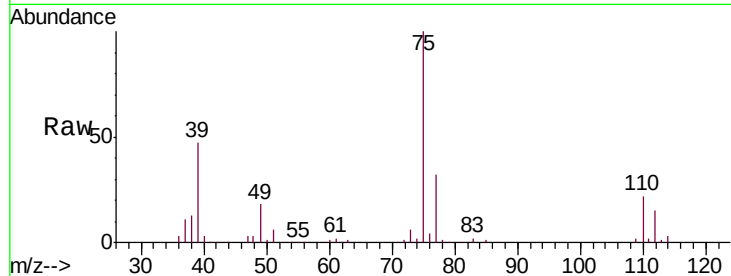




#39
 cis-1,3-Dichloropropene
 Concen: 52.121 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

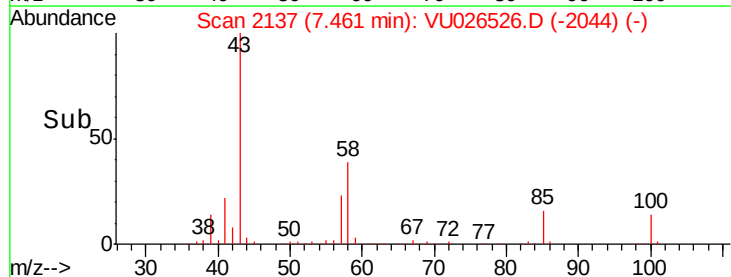
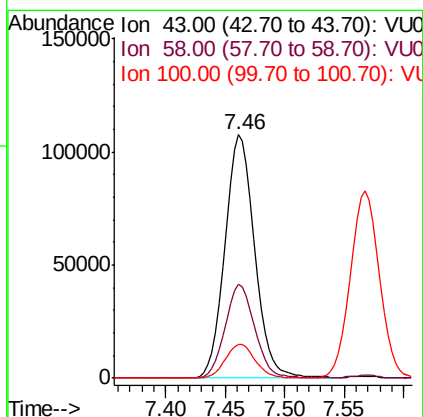
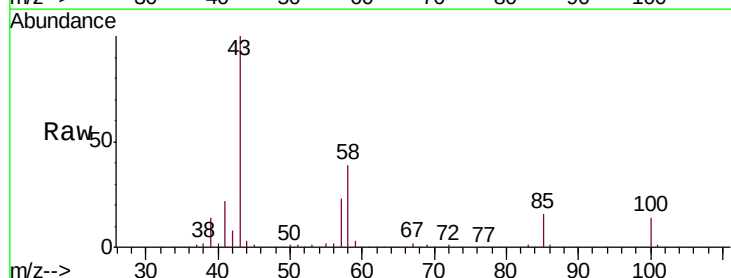
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

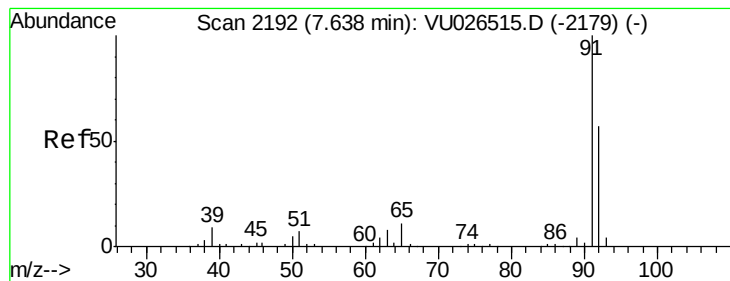
Tgt Ion: 75 Resp: 99267
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 103.544 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

Tgt Ion: 43 Resp: 186649
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.4 45.6
 100 14.0 11.0 16.4





#42

Toluene

Concen: 52.168 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

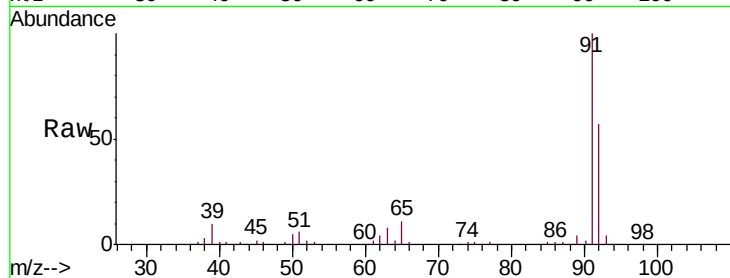
VSTD05043

Tgt Ion: 91 Resp: 262820

Ion Ratio Lower Upper

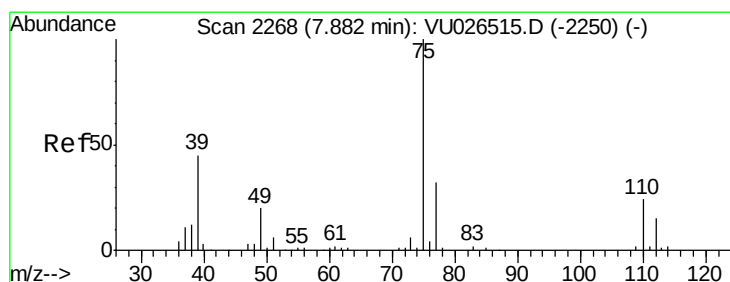
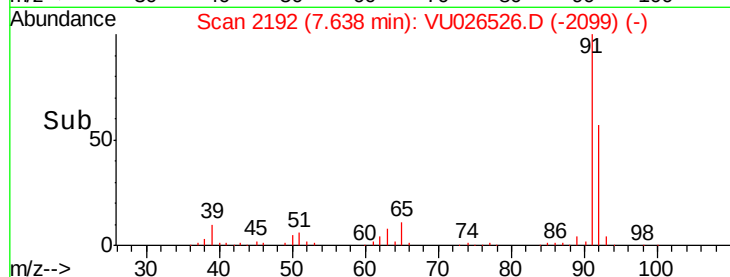
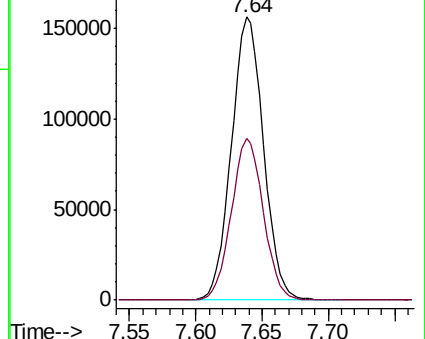
91 100

92 57.0 38.7 71.9



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: 50.944 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026526.D

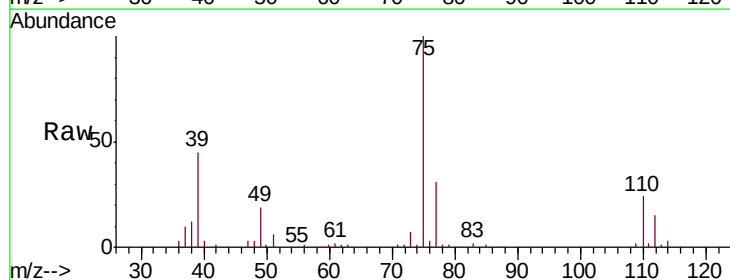
Acq: 04 Sep 2018 17:21

Tgt Ion: 75 Resp: 92478

Ion Ratio Lower Upper

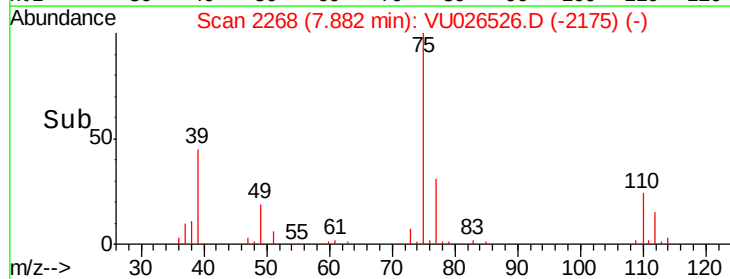
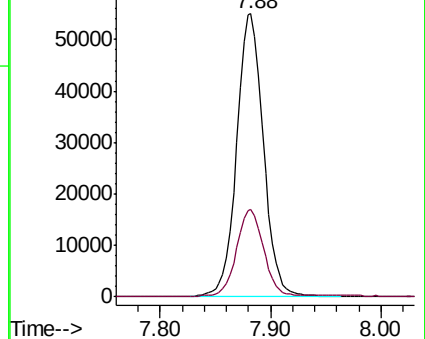
75 100

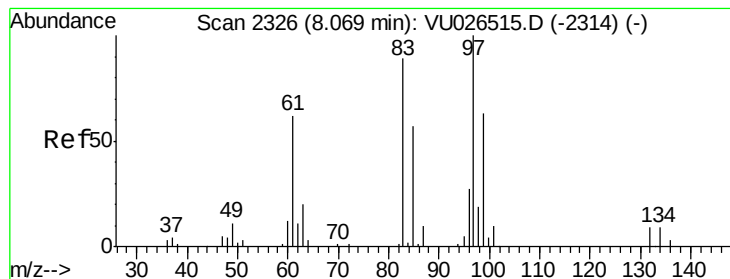
77 30.9 22.1 41.1



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: 50.908 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 97 Resp: 62336

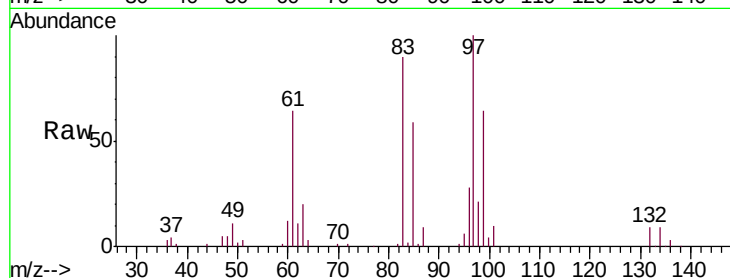
Ion Ratio Lower Upper

97 100

99 64.3 43.9 81.5

83 90.2 62.7 116.5

85 58.6 39.4 73.2

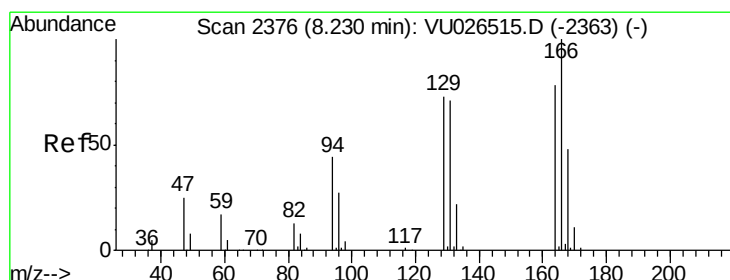
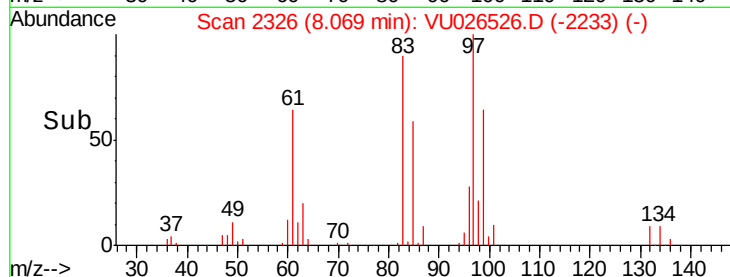
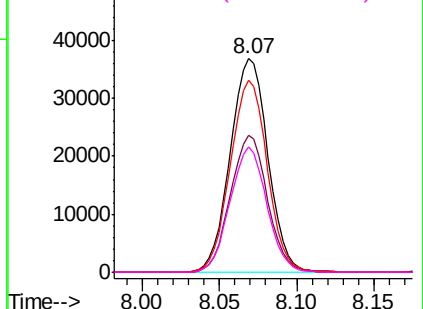


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 54.321 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Tgt Ion: 164 Resp: 53785

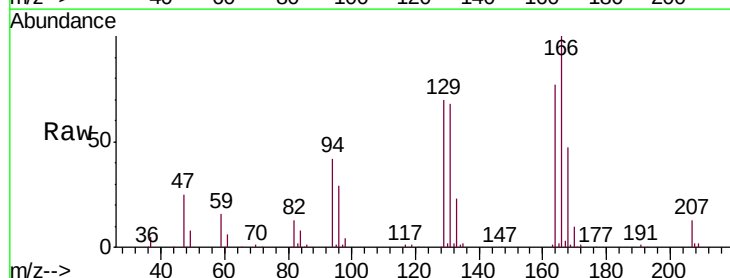
Ion Ratio Lower Upper

164 100

129 91.3 67.3 125.1

131 88.2 65.3 121.3

166 129.7 90.9 168.7

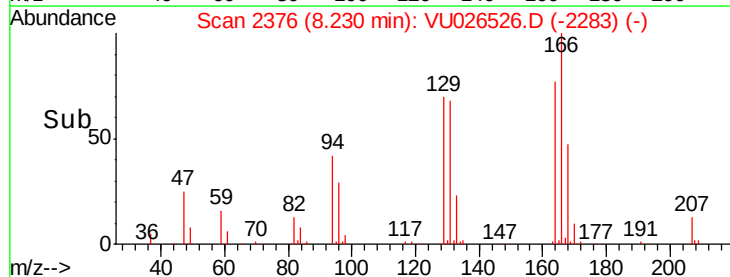
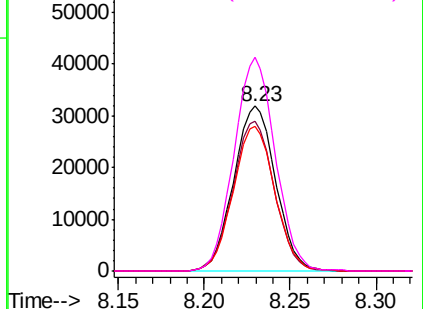


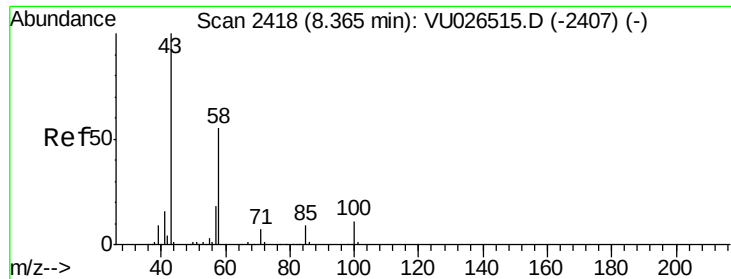
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

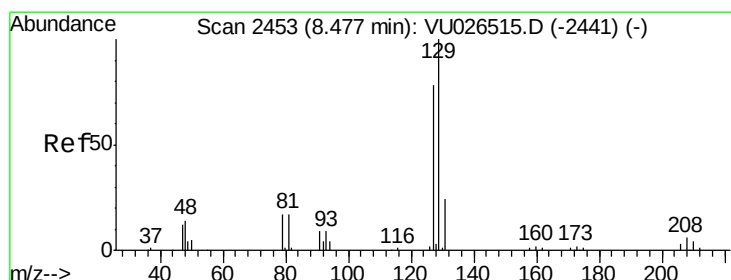
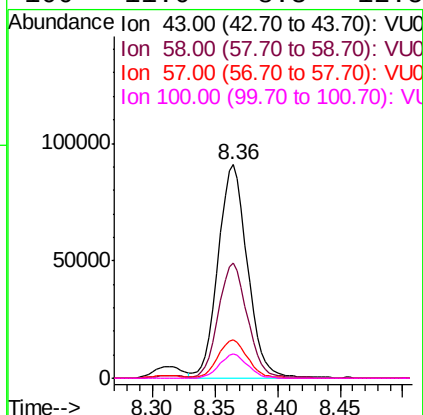
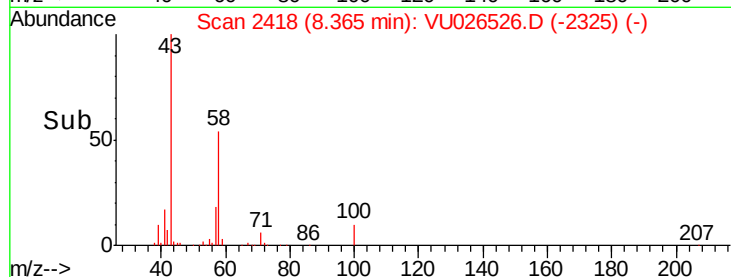
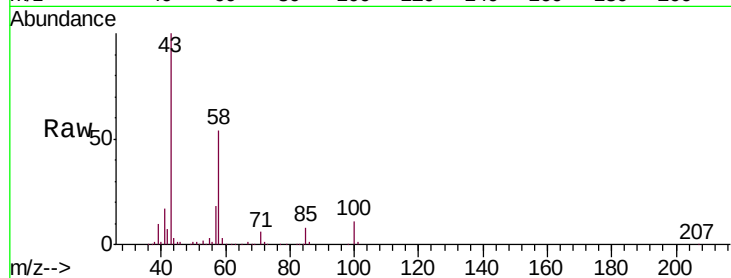




#48
2-Hexanone
Concen: 103.666 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

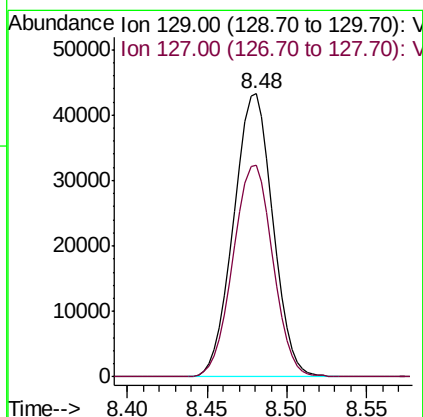
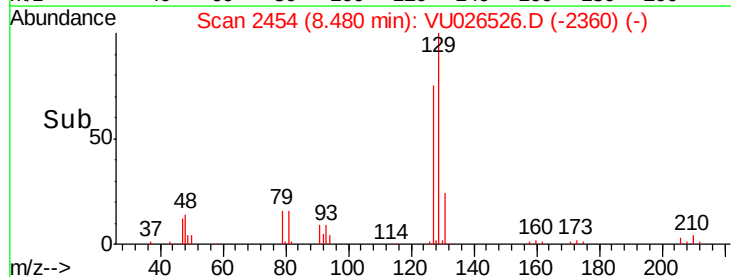
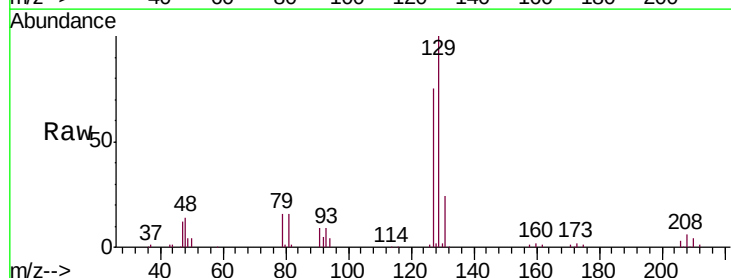
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

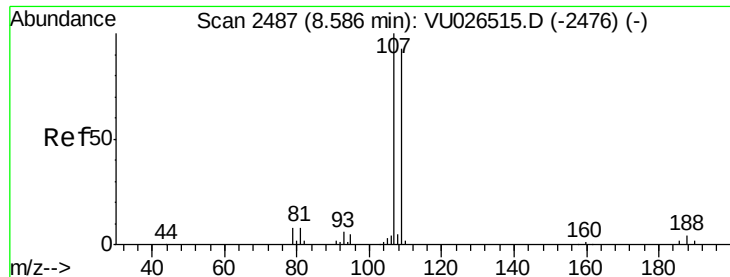
Tgt Ion: 43 Resp: 147175
Ion Ratio Lower Upper
43 100
58 53.3 42.2 63.4
57 17.7 14.6 21.8
100 11.0 8.3 12.5



#49
Dibromochloromethane
Concen: 52.487 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

Tgt Ion: 129 Resp: 72417
Ion Ratio Lower Upper
129 100
127 74.9 55.0 102.2

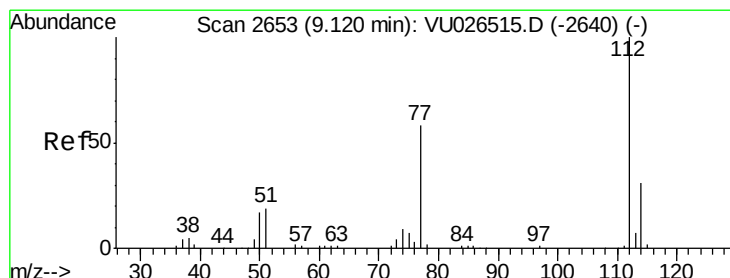
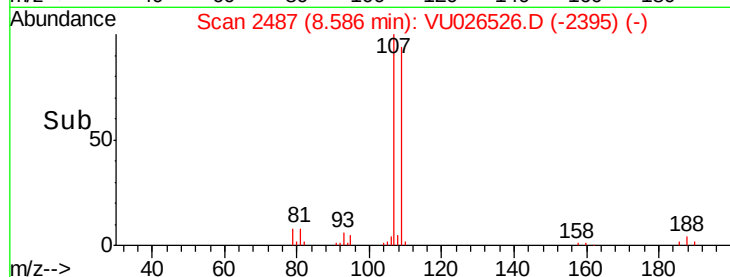
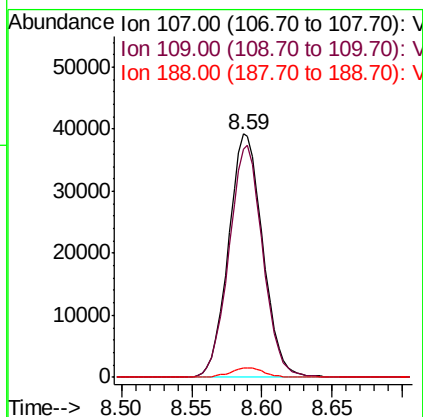
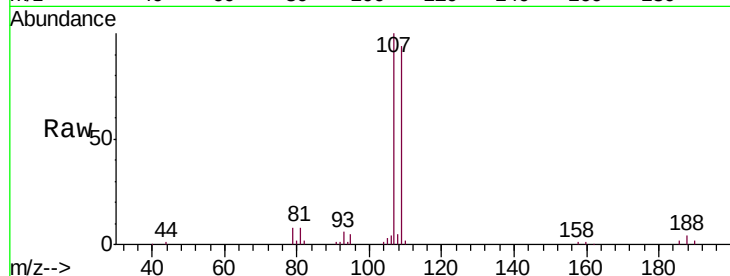




#50
 1,2-Dibromoethane
 Concen: 51.182 ug/L
 RT: 8.59 min Scan# 2487
 Delta R.T. -0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

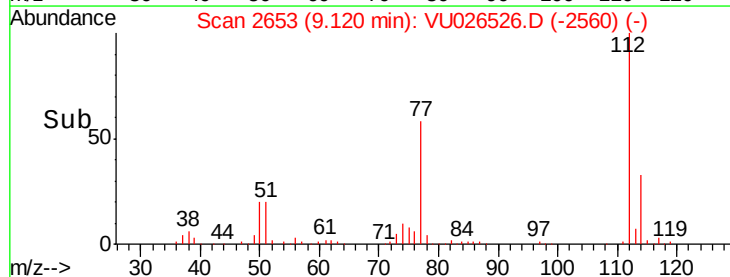
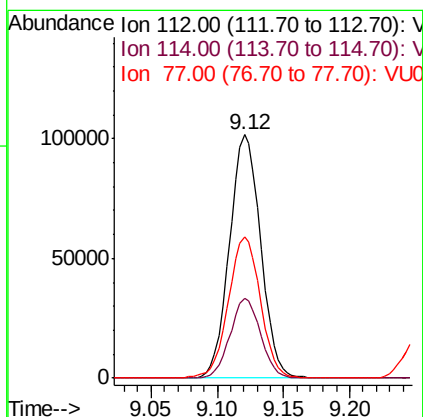
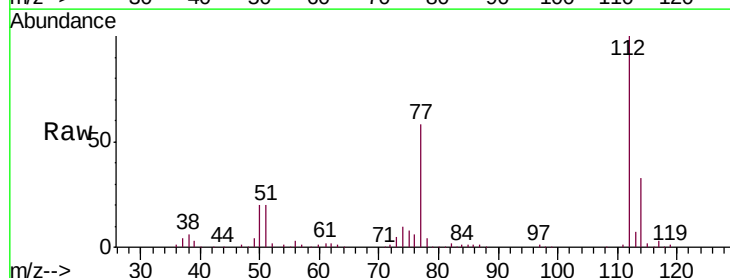
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

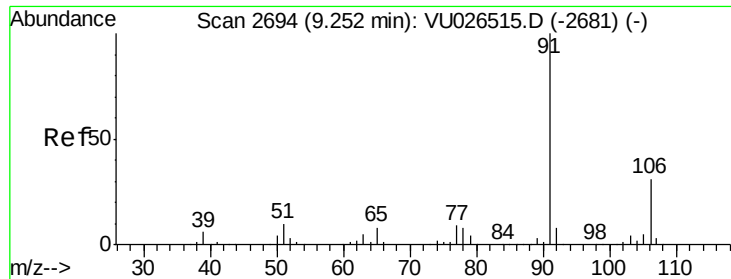
Tgt Ion:107 Resp: 66737
 Ion Ratio Lower Upper
 107 100
 109 93.9 63.4 117.8
 188 3.7 3.2 4.8



#51
 Chlorobenzene
 Concen: 49.399 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

Tgt Ion:112 Resp: 166426
 Ion Ratio Lower Upper
 112 100
 114 32.6 23.2 43.2
 77 58.0 47.3 70.9





#52

Ethylbenzene

Concen: 51.443 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

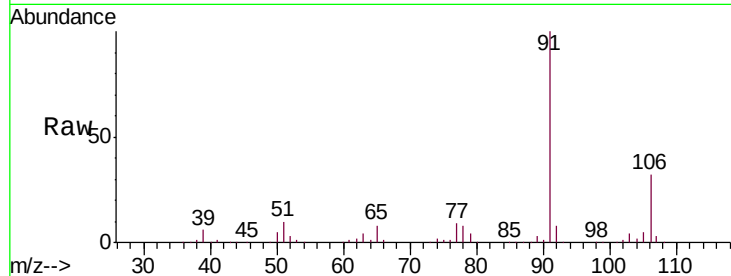
VSTD05043

Tgt Ion: 91 Resp: 281875

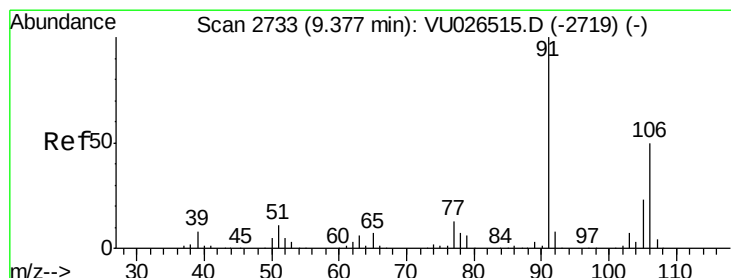
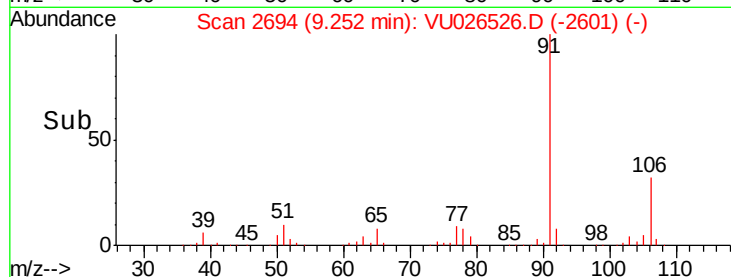
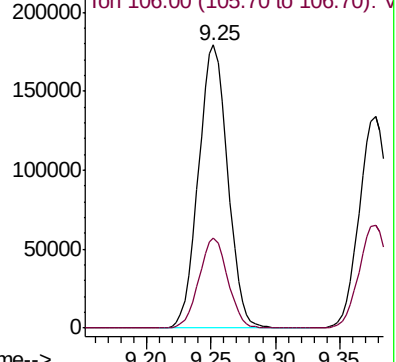
Ion Ratio Lower Upper

91 100

106 31.7 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026515.D (-2681) (-)



#53

m,p-Xylene

Concen: 52.512 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026526.D

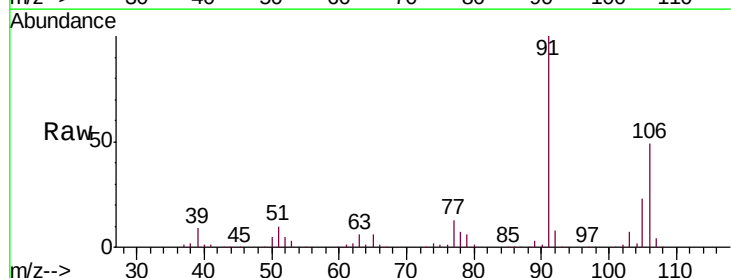
Acq: 04 Sep 2018 17:21

Tgt Ion: 106 Resp: 107436

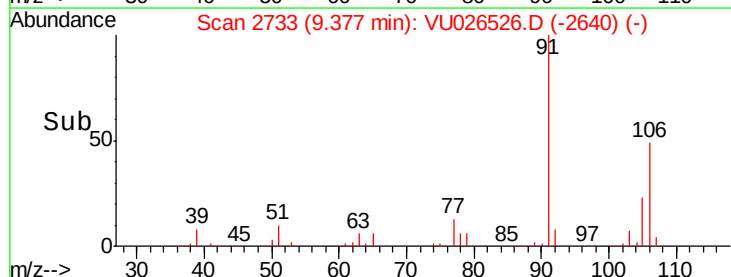
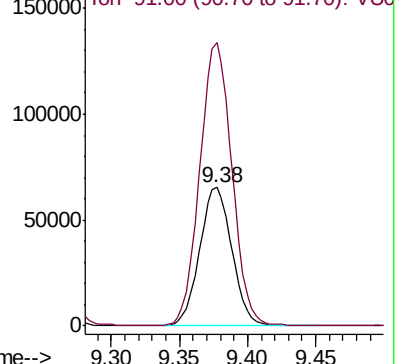
Ion Ratio Lower Upper

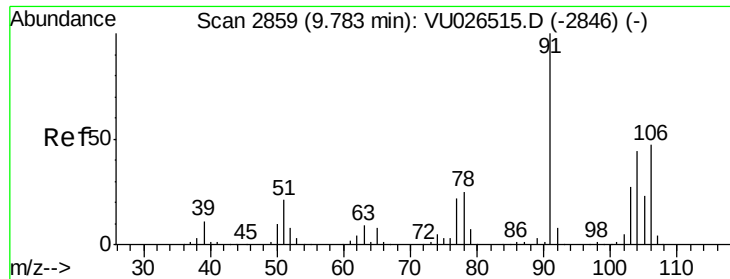
106 100

91 204.4 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026515.D (-2719) (-)

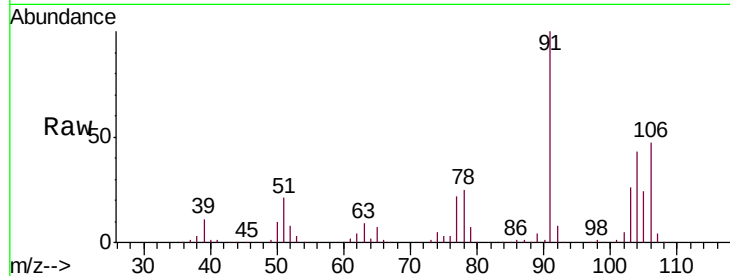




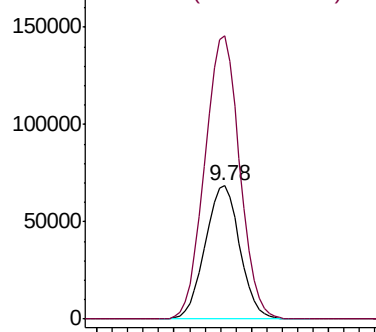
#54
o-xylene
Concen: 53.596 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

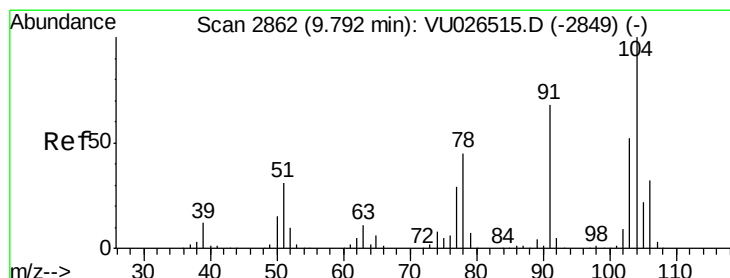
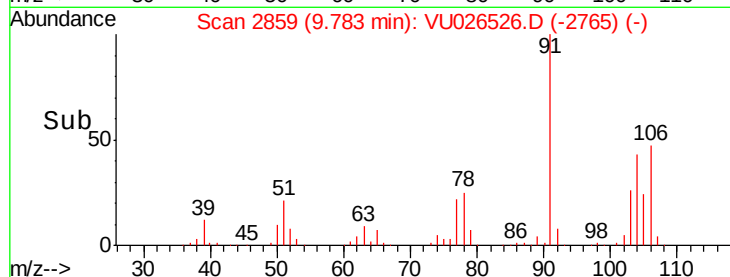
Tgt Ion:106 Resp: 106934
Ion Ratio Lower Upper
106 100
91 212.2 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

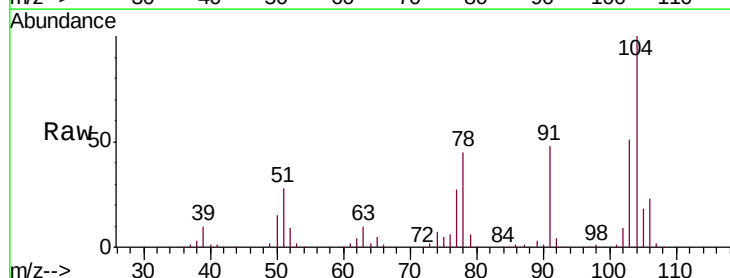


Time--> 9.70 9.75 9.80 9.85

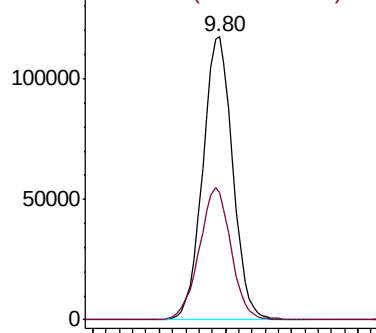


#55
Styrene
Concen: 52.850 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026526.D
Acq: 04 Sep 2018 17:21

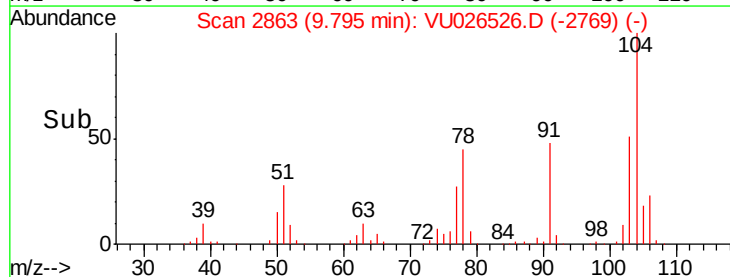
Tgt Ion:104 Resp: 184205
Ion Ratio Lower Upper
104 100
78 45.1 31.1 57.7

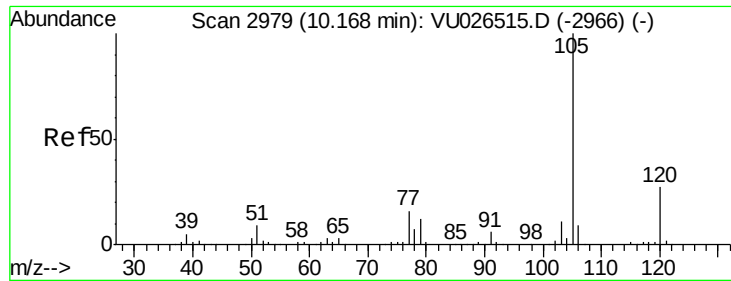


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time--> 9.70 9.75 9.80 9.85 9.90





#56

Isopropylbenzene

Concen: 52.342 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

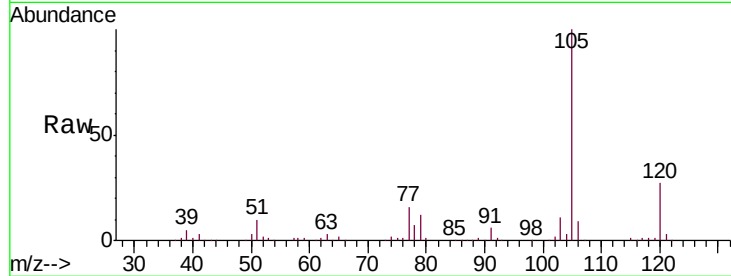
Tgt Ion: 105 Resp: 273366

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

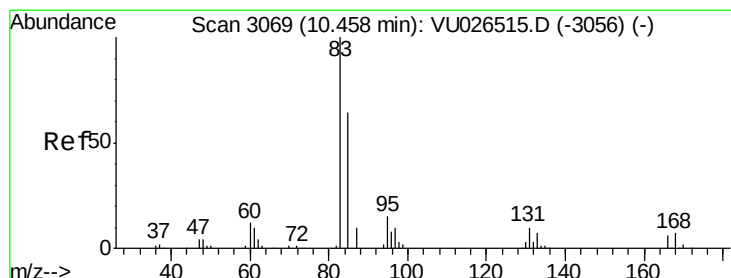
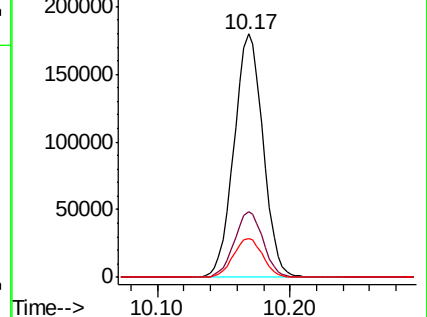
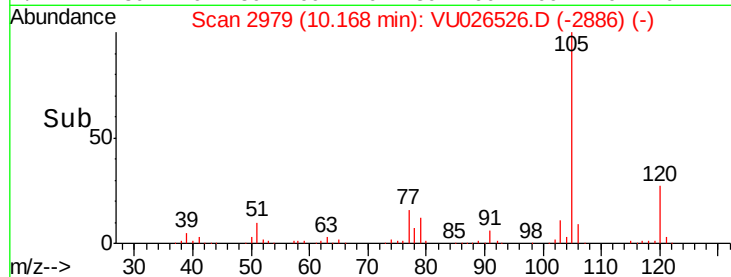
77 16.2 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.651 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

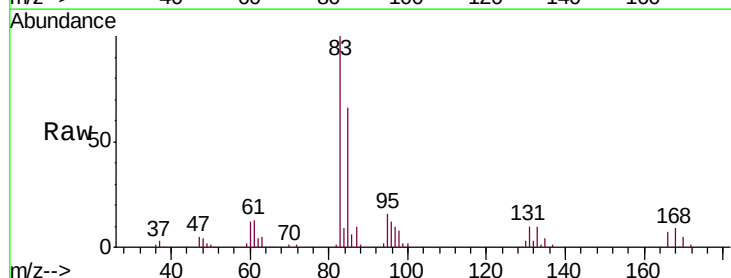
Tgt Ion: 83 Resp: 107092

Ion Ratio Lower Upper

83 100

85 65.8 44.3 82.3

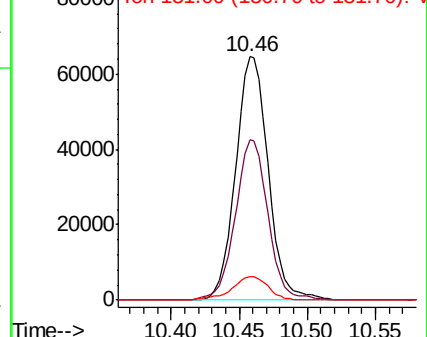
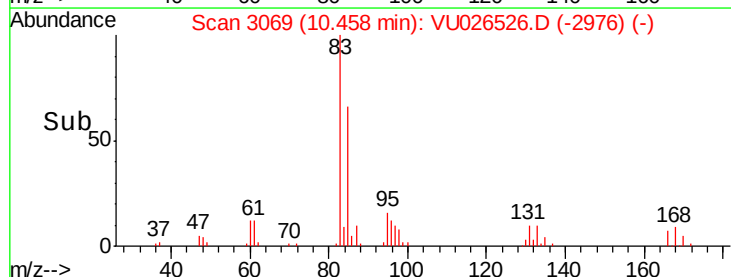
131 9.6 7.8 11.8

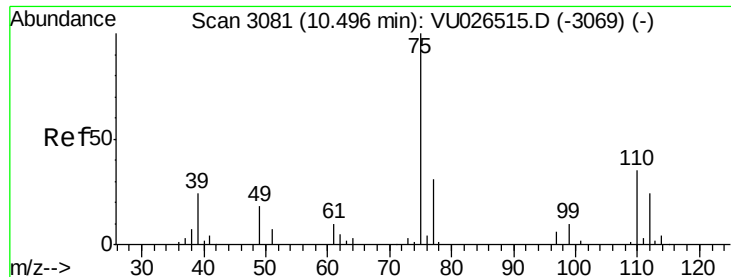


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

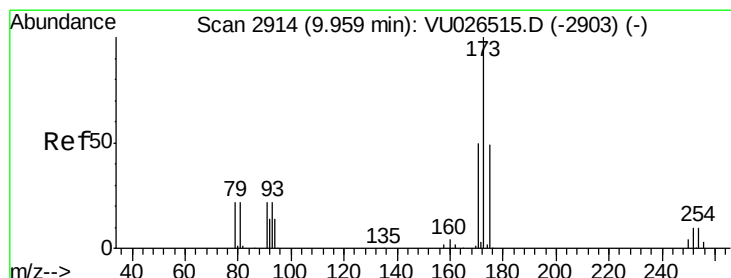
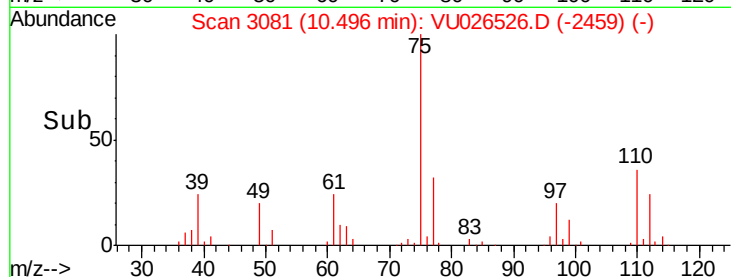
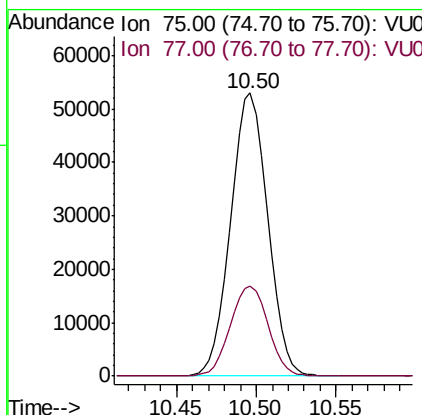
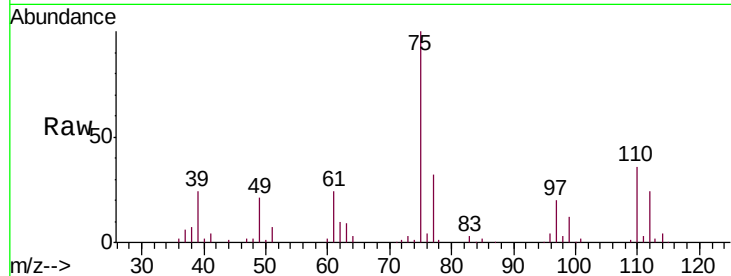




#59
 1,2,3-Trichloropropane
 Concen: 50.134 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

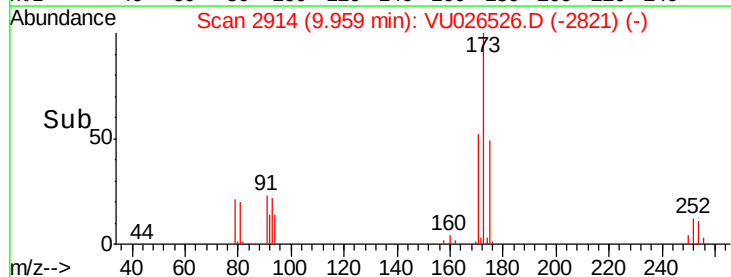
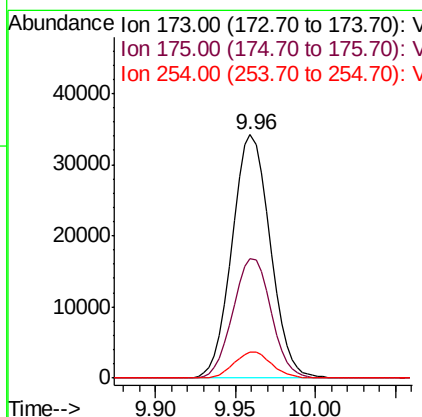
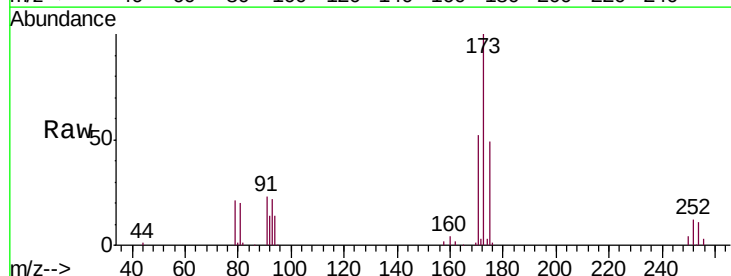
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

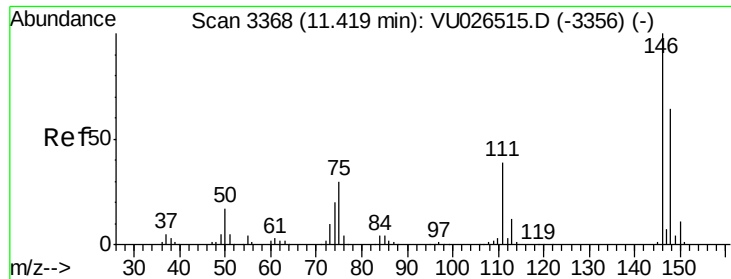
Tgt Ion: 75 Resp: 83615
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.6



#61
 Bromoform
 Concen: 53.096 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

Tgt Ion: 173 Resp: 55649
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.5 57.7
 254 10.5 8.1 12.1

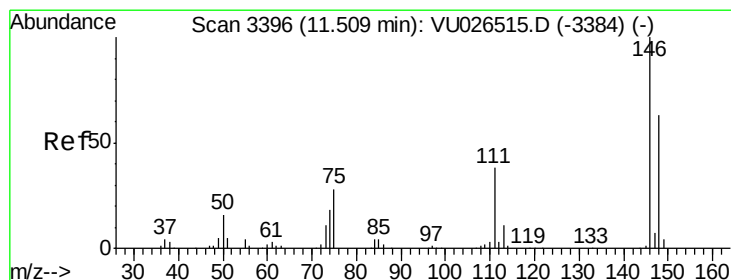
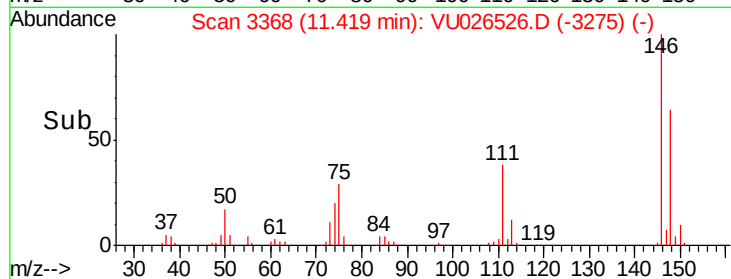
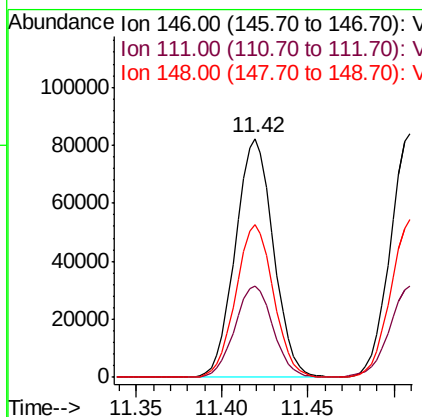
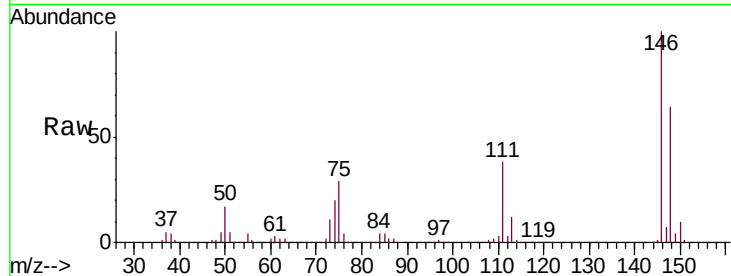




#62
 1,3-Dichlorobenzene
 Concen: 50.830 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

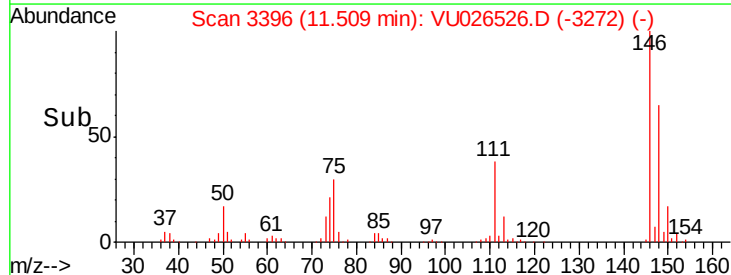
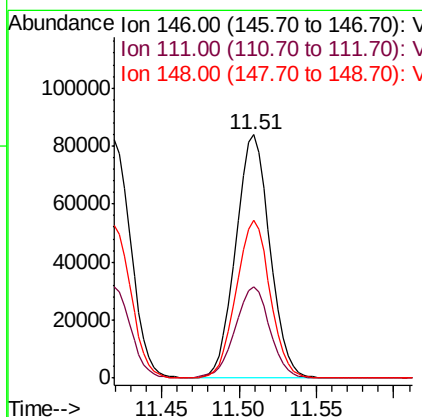
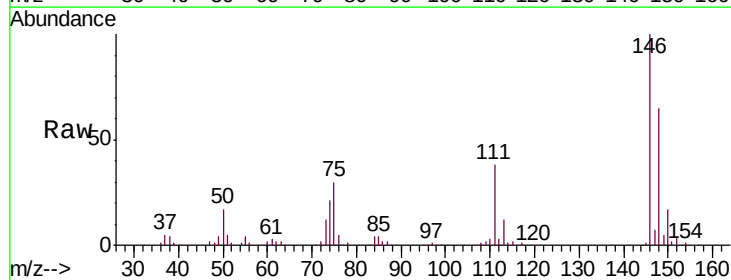
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

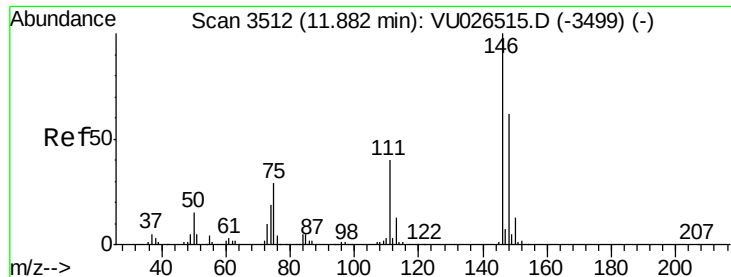
Tgt Ion:146 Resp: 126310
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.5 51.1
 148 63.9 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 48.664 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

Tgt Ion:146 Resp: 127903
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.2 48.6
 148 64.6 44.9 83.5

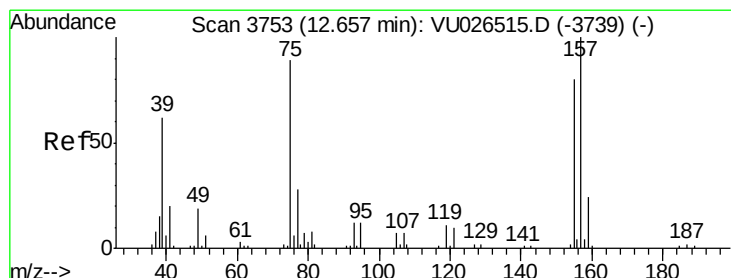
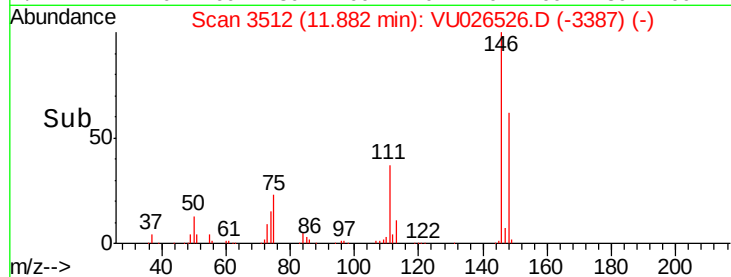
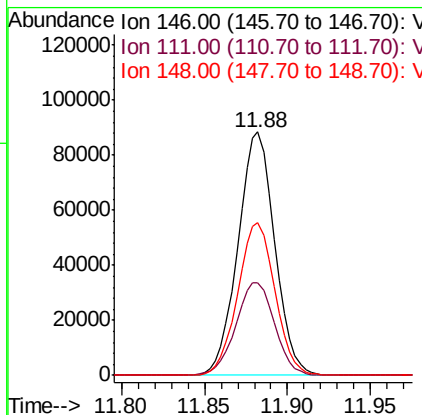
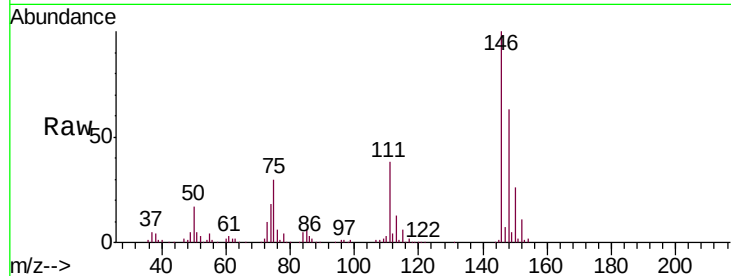




#65
 1,2-Dichlorobenzene
 Concen: 52.020 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

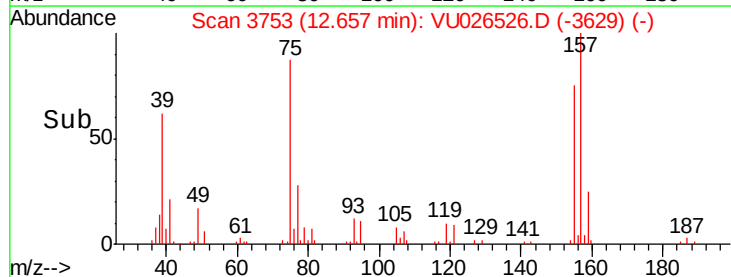
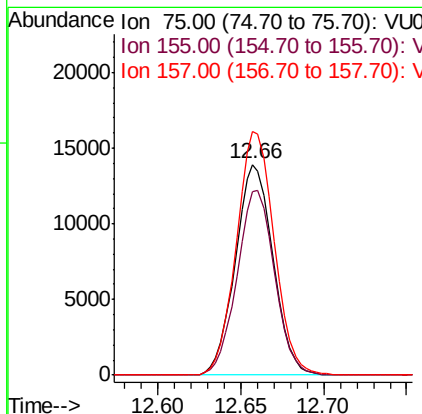
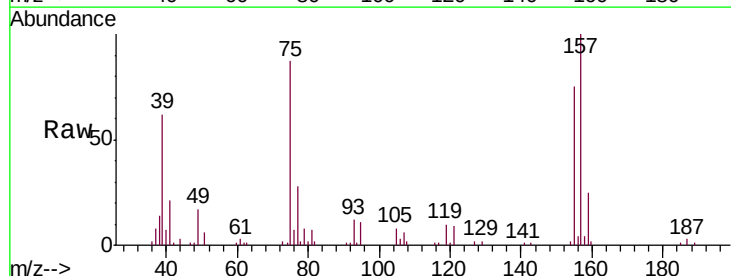
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

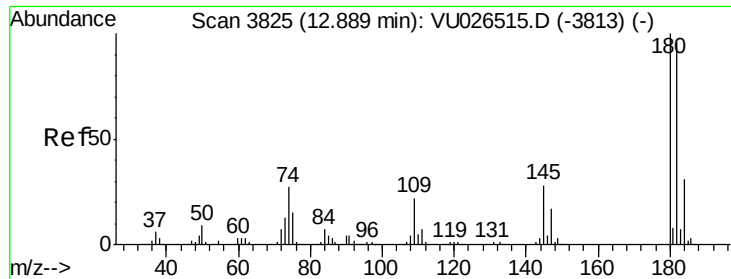
Tgt Ion: 146 Resp: 136343
 Ion Ratio Lower Upper
 146 100
 111 38.2 32.0 48.0
 148 62.5 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.946 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

Tgt Ion: 75 Resp: 22012
 Ion Ratio Lower Upper
 75 100
 155 87.1 69.8 104.8
 157 115.6 89.8 134.8

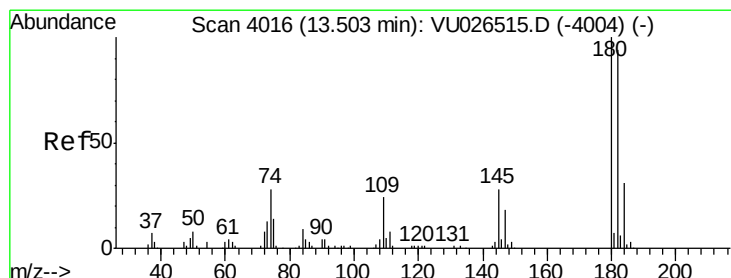
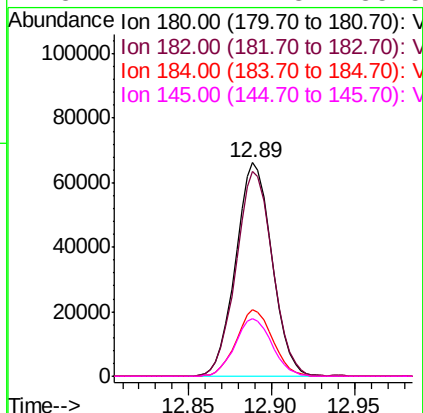
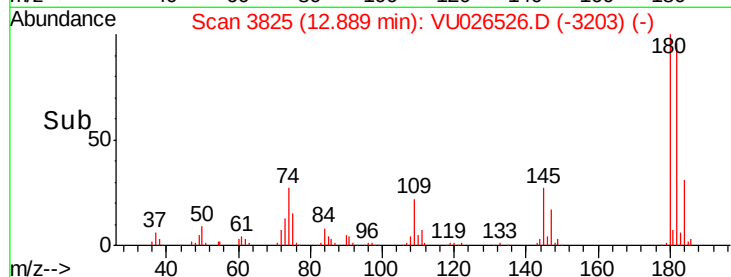
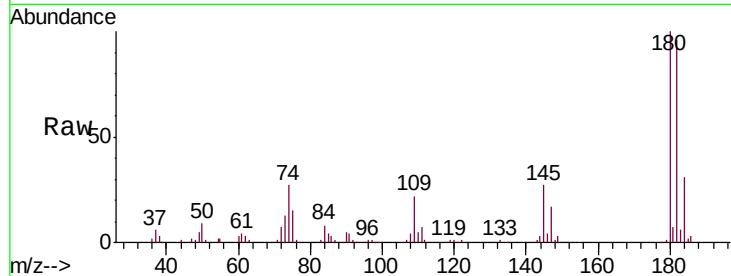




#67
 1,3,5-Trichlorobenzene
 Concen: 50.206 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

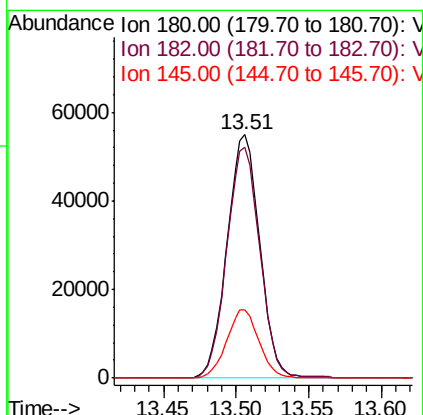
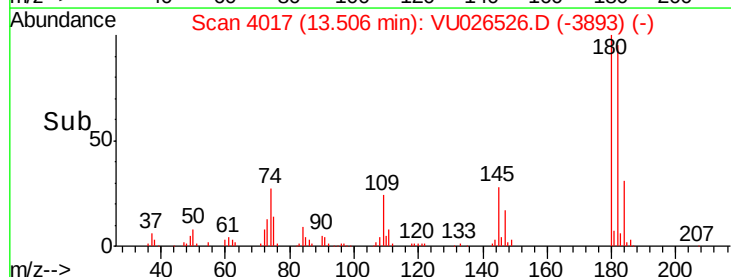
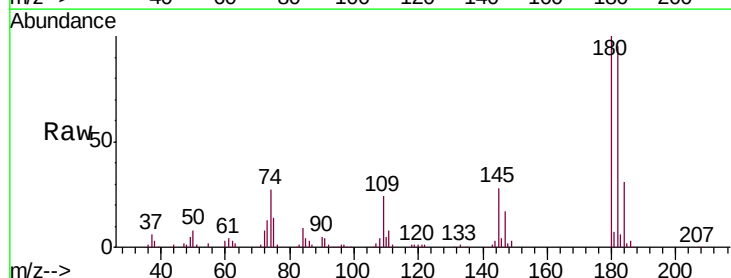
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

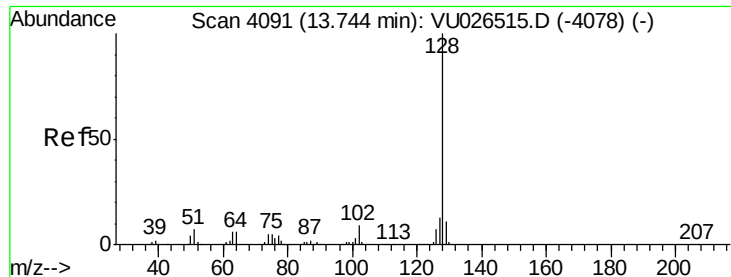
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.5	114.7
184	31.0	25.0	37.4
145	27.4	22.3	33.5



#68
 1,2,4-trichlorobenzene
 Concen: 49.097 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026526.D
 Acq: 04 Sep 2018 17:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	27.8	22.4	33.6





#69

Naphthalene

Concen: 51.342 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

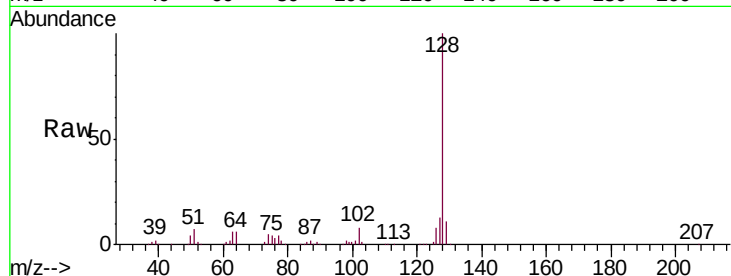
Tgt Ion:128 Resp: 280778

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

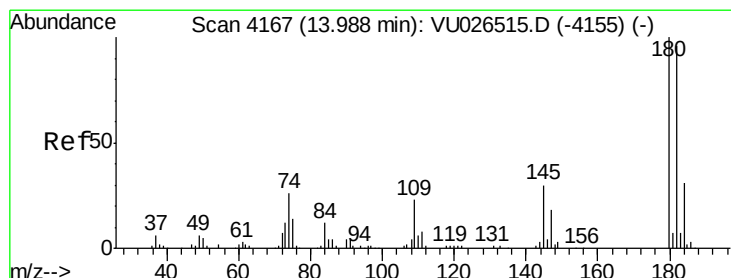
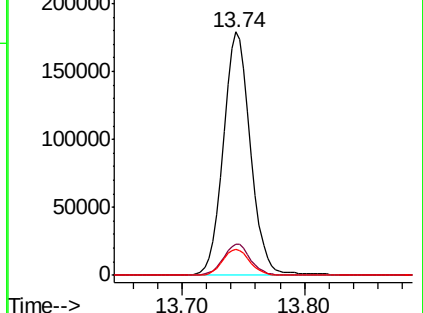
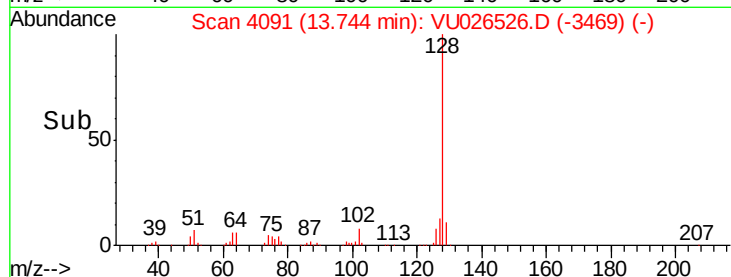
129 10.8 8.5 12.7



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: 50.108 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026526.D

Acq: 04 Sep 2018 17:21

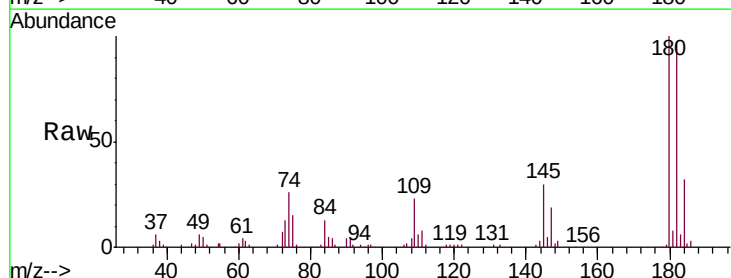
Tgt Ion:180 Resp: 96371

Ion Ratio Lower Upper

180 100

182 94.5 76.5 114.7

145 29.6 23.9 35.9



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

