

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081618\
 Data File : VU026178.D
 Acq On : 16 Aug 2018 16:10
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05069

Quant Time: Aug 16 16:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 16:15:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	256215	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	247140	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	126731	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64791	43.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.14%
7) Chloroethane-d5	1.67	69	60762	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.26%
11) 1,1-Dichloroethene-d2	2.27	63	136120	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
21) 2-Butanone-d5	4.18	46	127932	110.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.82%
24) Chloroform-d	4.65	84	177992	52.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.64%
26) 1,2-Dichloroethane-d4	5.31	65	120820	54.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.56%
32) Benzene-d6	5.34	84	332985	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
36) 1,2-Dichloropropane-d6	6.33	67	110186	52.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.20%
41) Toluene-d8	7.57	98	316044	51.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.64%
43) trans-1,3-Dichloropropene-	7.85	79	55606	56.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.12%
47) 2-Hexanone-d5	8.31	63	97970	114.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	163483	55.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	138550	52.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	101066	49.822	ug/L 100
3) Chloromethane	1.33	50	99469	53.846	ug/L 99
5) Vinyl chloride	1.40	62	91930	49.840	ug/L 99
6) Bromomethane	1.61	94	54240	57.070	ug/L 96
8) Chloroethane	1.69	64	58184	52.685	ug/L 95
9) Trichlorofluoromethane	1.88	101	132278	48.568	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	73608	49.885	ug/L 98
12) 1,1-Dichloroethene	2.28	96	65026	48.023	ug/L 94
13) Acetone	2.32	43	89721	84.926	ug/L 100
14) Carbon disulfide	2.47	76	227478	48.447	ug/L 100
15) Methyl Acetate	2.62	43	104141	56.825	ug/L 100
16) Methylene chloride	2.70	84	102814	56.680	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	84386	52.536	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	294304	57.723	ug/L 98
19) 1,1-Dichloroethane	3.45	63	166580	53.870	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	99407	55.199	ug/L 96
22) 2-Butanone	4.26	43	139765	106.189	ug/L 97

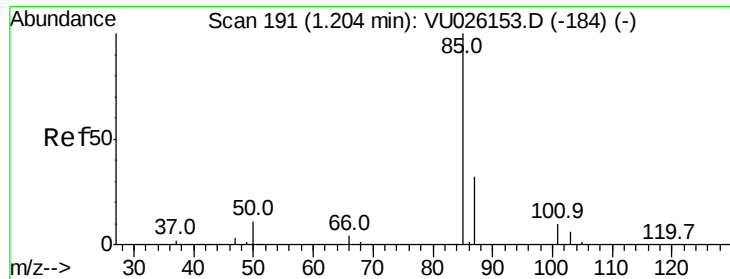
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081618\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	55182	56.684	ug/L	96
25) Chloroform	4.67	83	180876	55.717	ug/L	96
27) 1,2-Dichloroethane	5.41	62	144951	55.226	ug/L	100
29) Cyclohexane	5.00	56	122906	49.771	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	149046	50.476	ug/L	99
31) Carbon tetrachloride	5.14	117	133668	49.966	ug/L	100
33) Benzene	5.39	78	361925	54.083	ug/L	100
34) Trichloroethene	6.19	95	90108	51.688	ug/L	97
35) Methylcyclohexane	6.42	83	132779	50.738	ug/L	98
37) 1,2-Dichloropropane	6.44	63	104440	55.882	ug/L	99
38) Bromodichloromethane	6.76	83	136764	55.269	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	156141	56.280	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	264054	113.894	ug/L	99
42) Toluene	7.64	91	388115	54.611	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	147367	55.126	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	99158	55.957	ug/L	99
46) Tetrachloroethene	8.23	164	76621	50.962	ug/L	99
48) 2-Hexanone	8.36	43	206714	113.796	ug/L	99
49) Dibromochloromethane	8.48	129	120514	56.468	ug/L	98
50) 1,2-Dibromoethane	8.59	107	105919	57.564	ug/L	98
51) Chlorobenzene	9.12	112	261752	53.893	ug/L	100
52) Ethylbenzene	9.25	91	411526	53.158	ug/L	99
53) m,p-Xylene	9.38	106	163151	54.688	ug/L	98
54) o-xylene	9.78	106	163038	54.768	ug/L	99
55) Styrene	9.80	104	284049	57.308	ug/L	96
56) Isopropylbenzene	10.17	105	412623	53.988	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	169085	57.137	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	132180	57.411	ug/L	100
61) Bromoform	9.96	173	90059	54.353	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	200315	52.745	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	206203	52.648	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	220688	54.372	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	35690	55.460	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	153052	54.572	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	122592	57.697	ug/L	99
69) Naphthalene	13.74	128	380015	62.846	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	135061	59.281	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.822 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

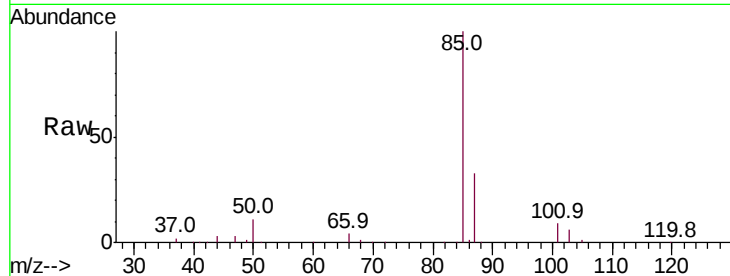
VSTD05069

Tot Ion: 85 Resp: 101066

Ion Ratio Lower Upper

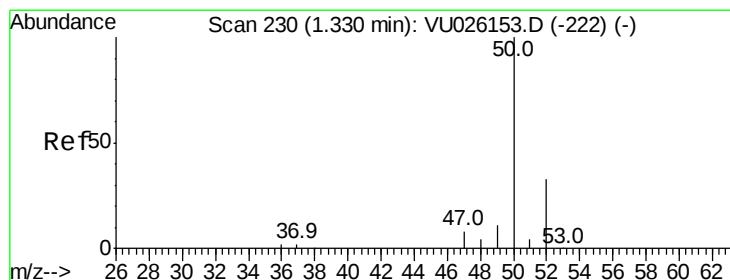
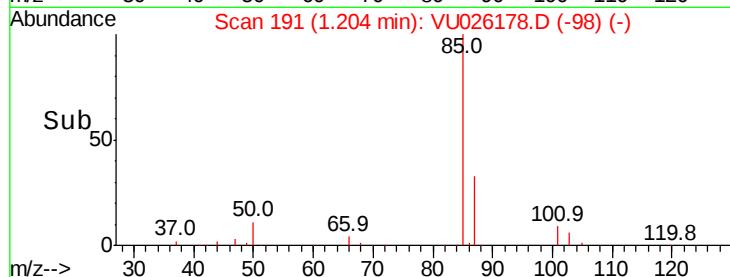
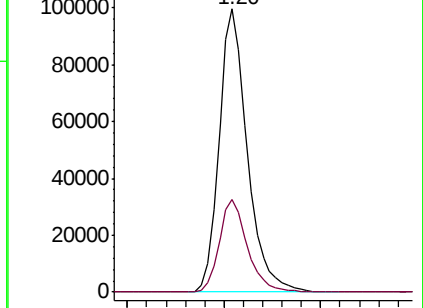
85 100

87 32.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 53.846 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026178.D

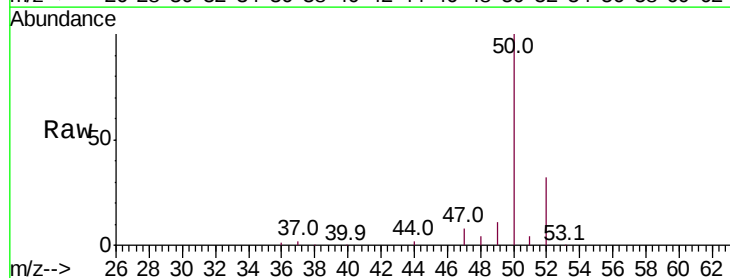
Acq: 16 Aug 2018 16:10

Tgt Ion: 50 Resp: 99469

Ion Ratio Lower Upper

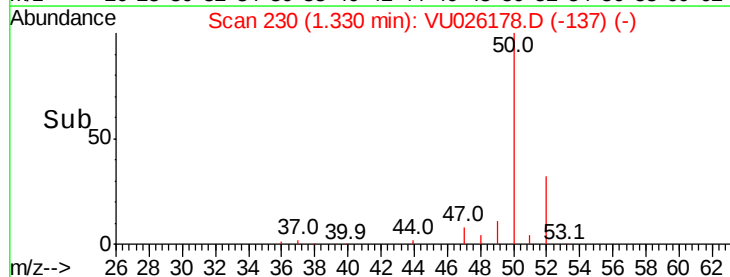
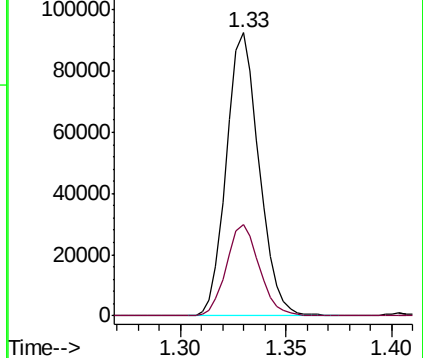
50 100

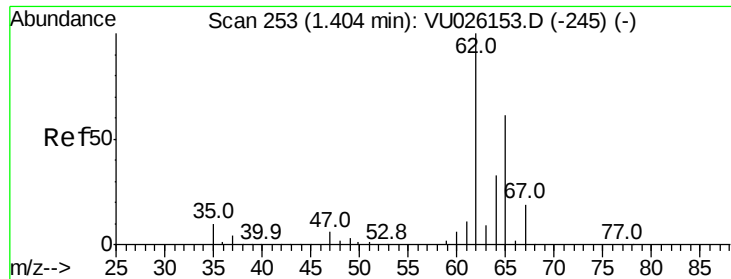
52 32.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.840 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

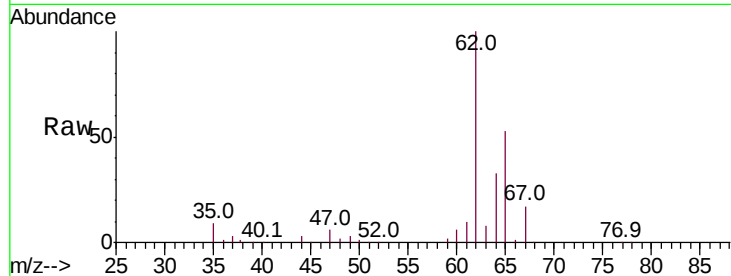
VSTD05069

Tot Ion: 62 Resp: 91930

Ion Ratio Lower Upper

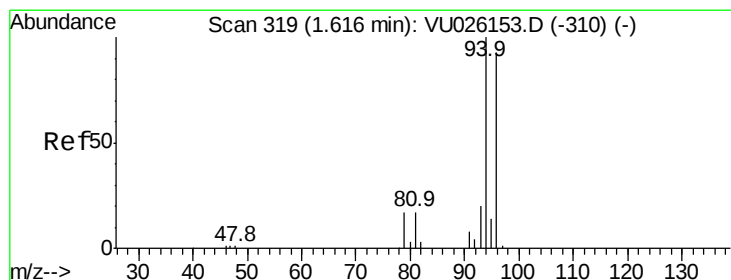
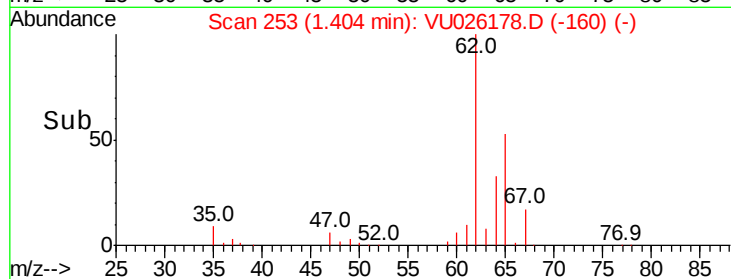
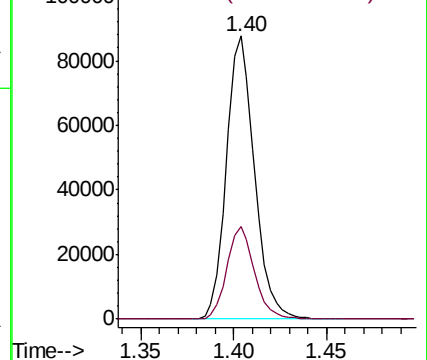
62 100

64 32.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 57.070 ug/L

RT: 1.61 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU026178.D

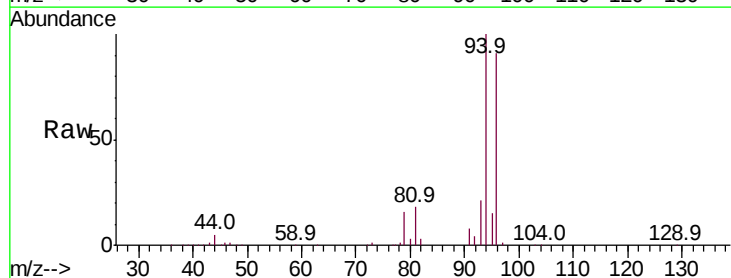
Acq: 16 Aug 2018 16:10

Tgt Ion: 94 Resp: 54240

Ion Ratio Lower Upper

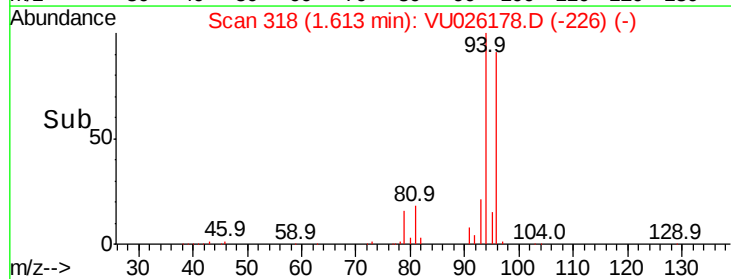
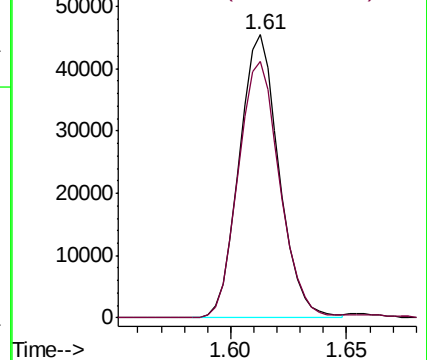
94 100

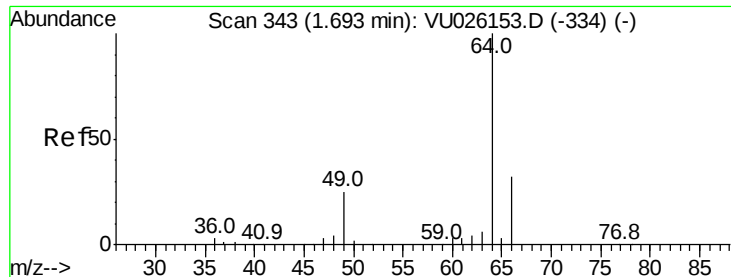
96 90.6 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 52.685 ug/L

RT: 1.69 min Scan# 342

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

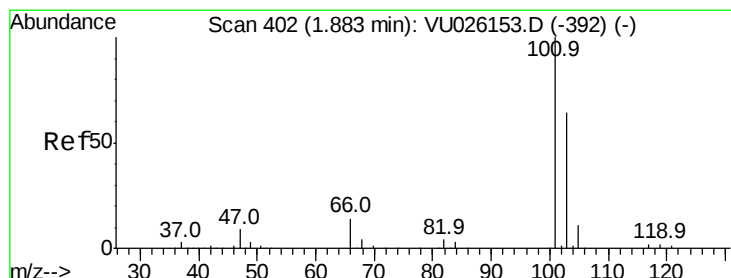
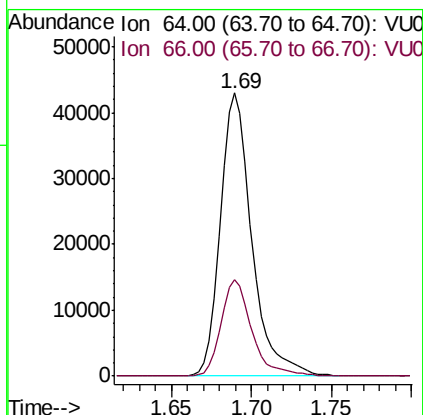
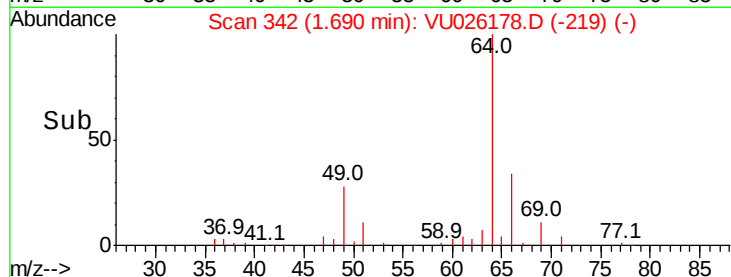
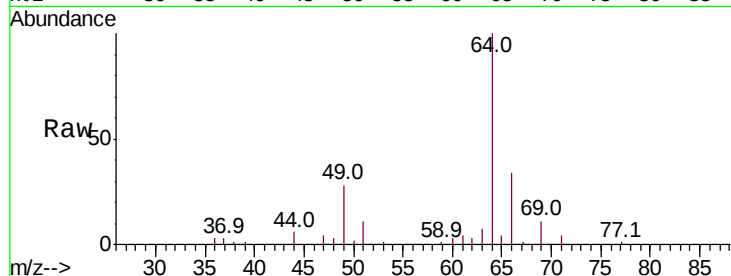
VSTD05069

Tot Ion: 64 Resp: 58184

Ion Ratio Lower Upper

64 100

66 34.2 22.2 41.2



#9

Trichlorofluoromethane

Concen: 48.568 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU026178.D

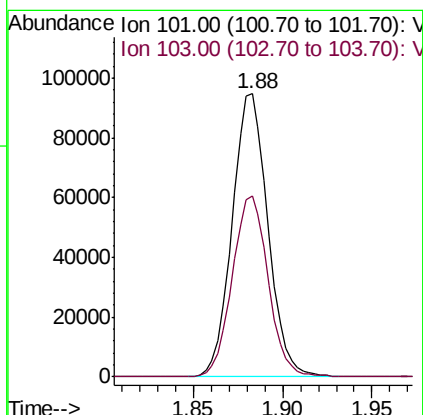
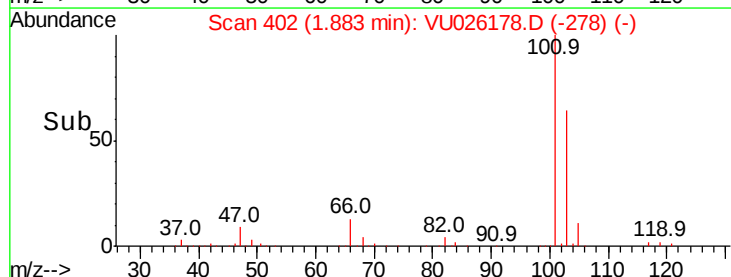
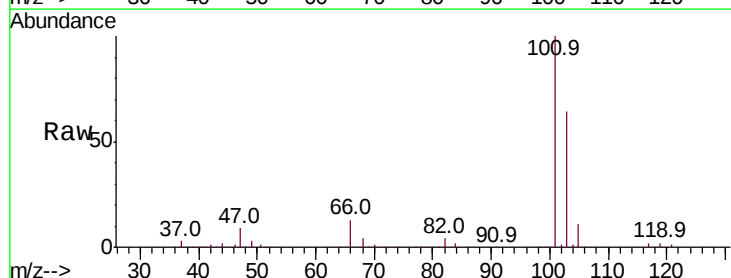
Acq: 16 Aug 2018 16:10

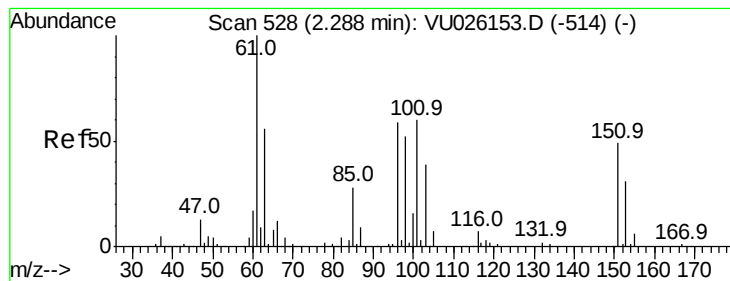
Tgt Ion: 101 Resp: 132278

Ion Ratio Lower Upper

101 100

103 64.4 51.4 77.2





#10

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

Concen: 49.885 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05069

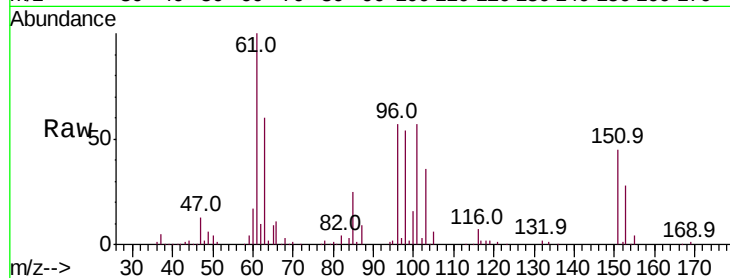
Tot Ion:101 Resp: 73608

Ion Ratio Lower Upper

101 100

85 44.3 36.6 55.0

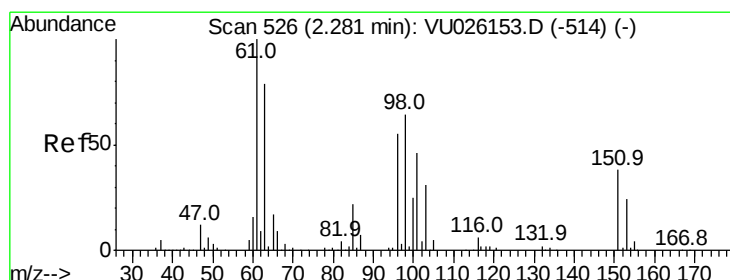
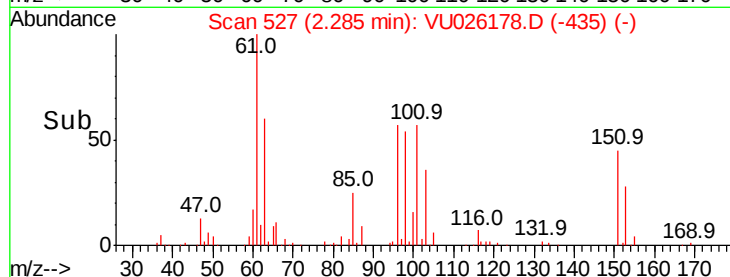
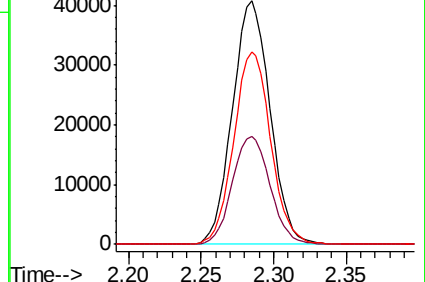
151 77.5 63.8 95.8



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: 48.023 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

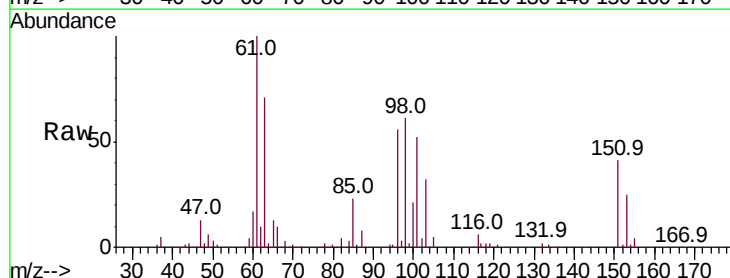
Tgt Ion: 96 Resp: 65026

Ion Ratio Lower Upper

96 100

61 177.7 126.8 235.4

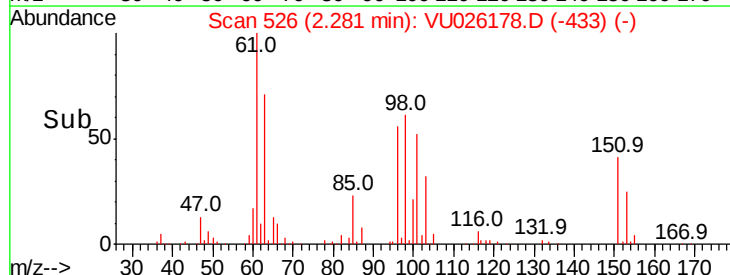
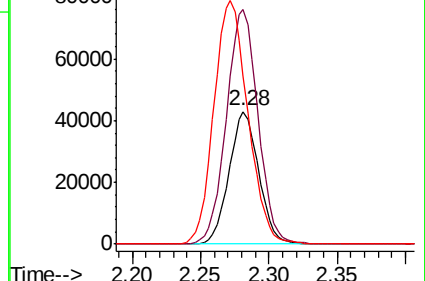
63 127.0 97.0 180.2

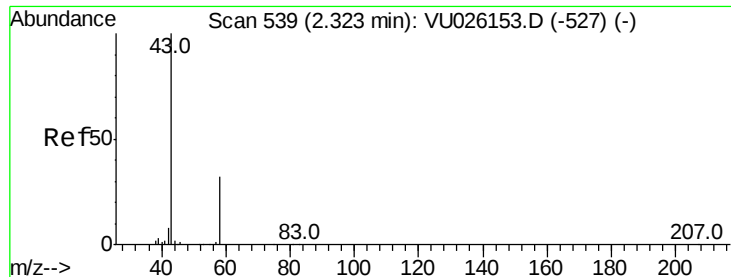


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 84.926 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

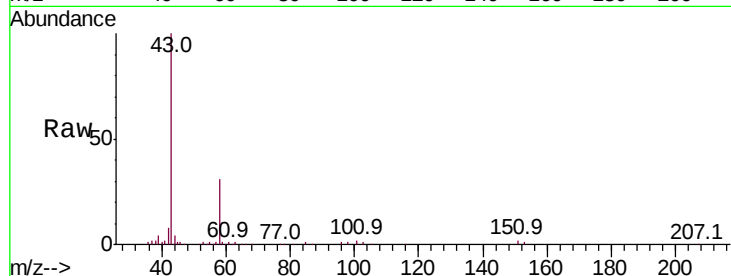
VSTD05069

Tot Ion: 43 Resp: 89721

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.6



Abundance Ion 43.00 (42.70 to 43.70): VU026178.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU026178.D (-446) (-)

2.32

60000

50000

40000

30000

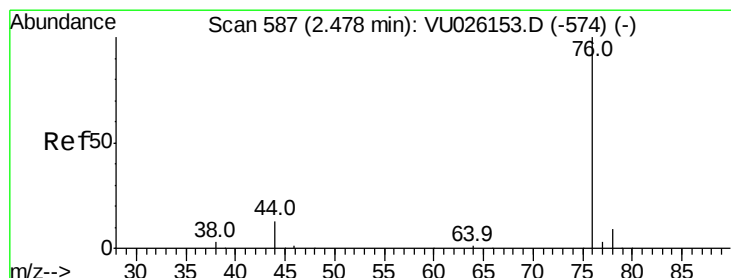
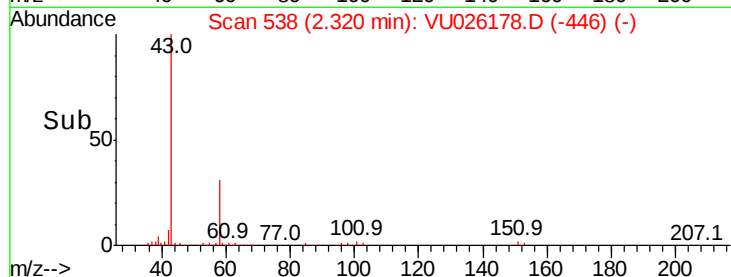
20000

10000

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Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 48.447 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU026178.D

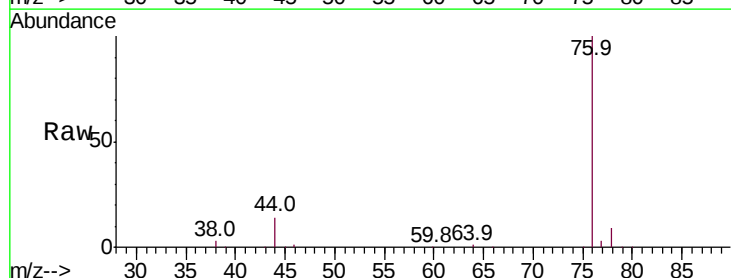
Acq: 16 Aug 2018 16:10

Tgt Ion: 76 Resp: 227478

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU026178.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU026178.D (-494) (-)

2.47

150000

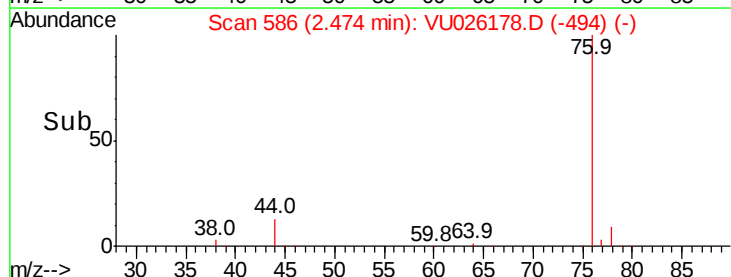
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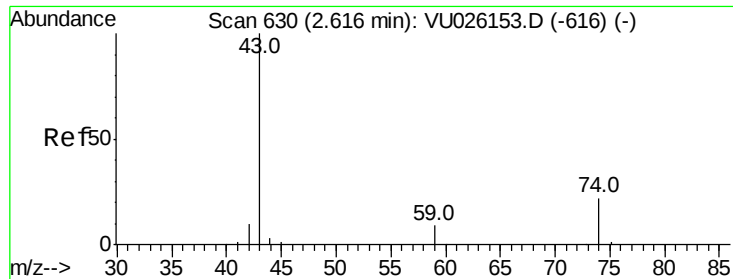
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Time-->

2.40 2.45 2.50 2.55 2.60

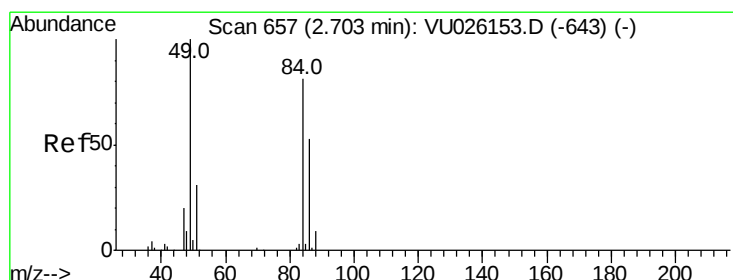
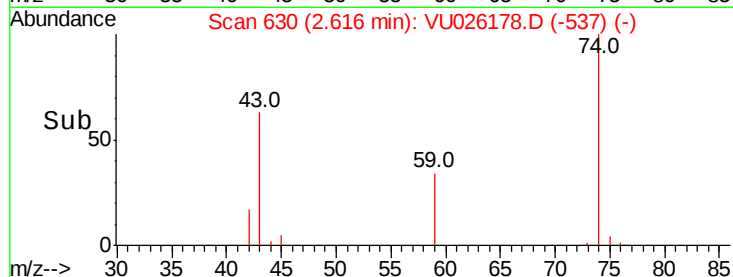
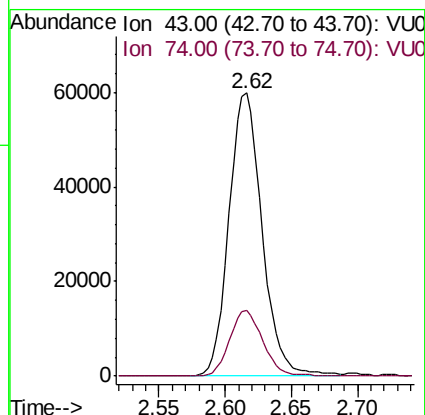
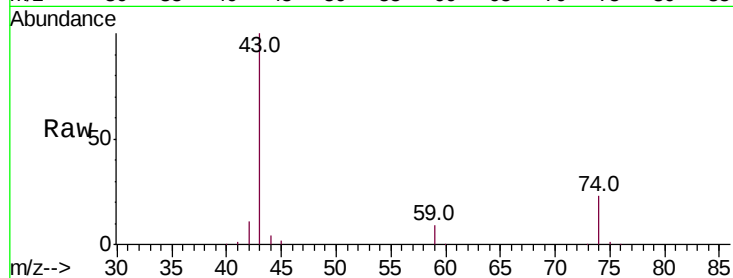




#15
Methvl Acetate
Concen: 56.825 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

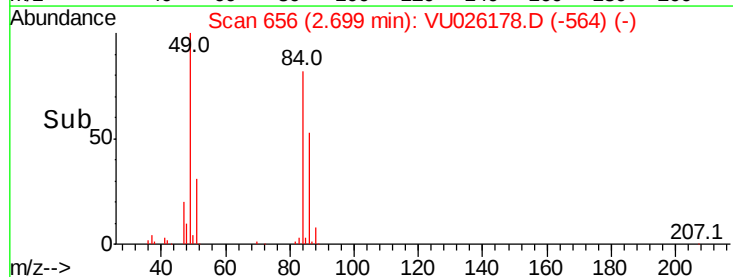
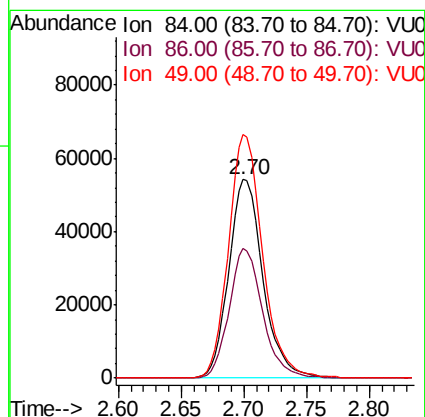
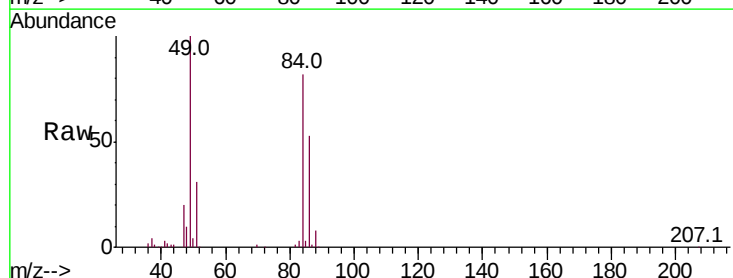
Instrument :
MSVOA_U
ClientSampleId :
VSTD05069

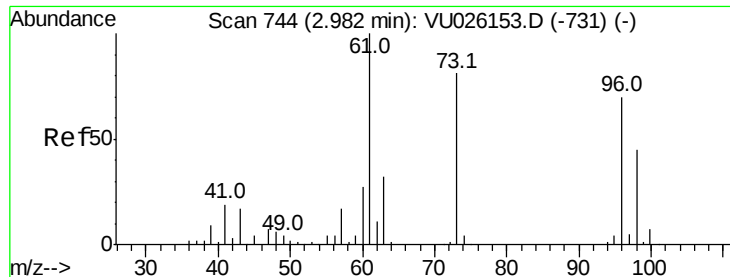
Tot Ion: 43 Resp: 104141
Ion Ratio Lower Upper
43 100
74 23.1 18.6 28.0



#16
Methylene chloride
Concen: 56.680 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

Tgt Ion: 84 Resp: 102814
Ion Ratio Lower Upper
84 100
86 65.4 44.0 81.6
49 122.5 87.7 162.9

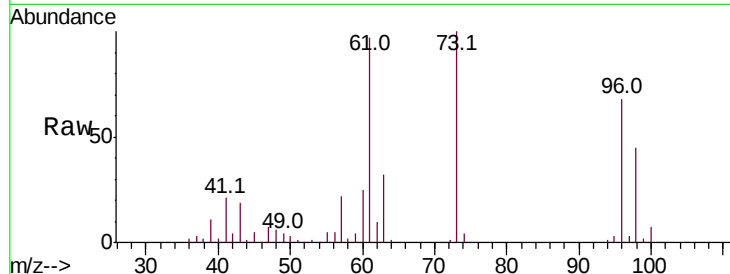




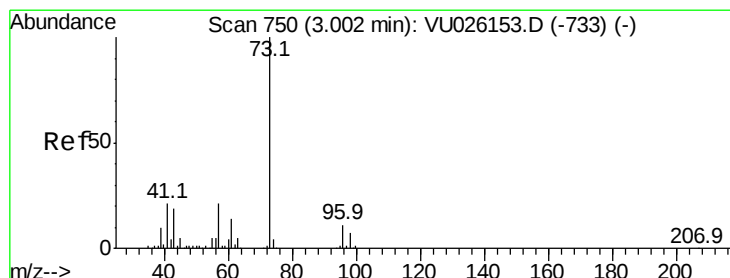
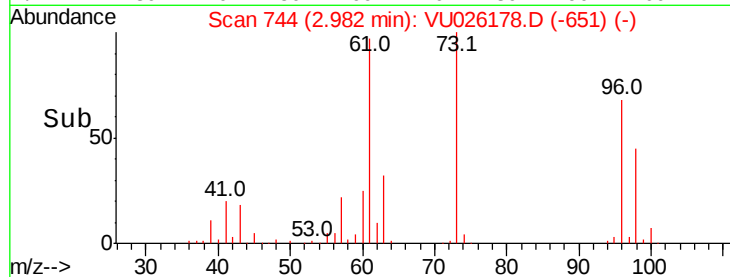
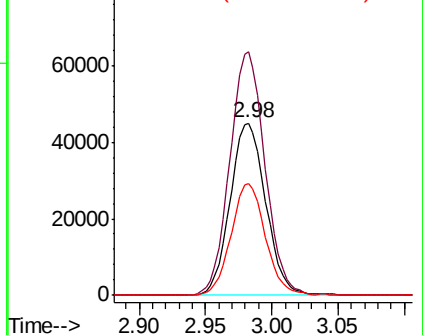
#17
trans-1,2-Dichloroethene
Concen: 52.536 ug/L
RT: 2.98 min Scan# 744
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD05069

Tot Ion: 96 Resp: 84386
Ion Ratio Lower Upper
96 100
61 141.4 96.7 179.5
98 65.3 43.6 81.0

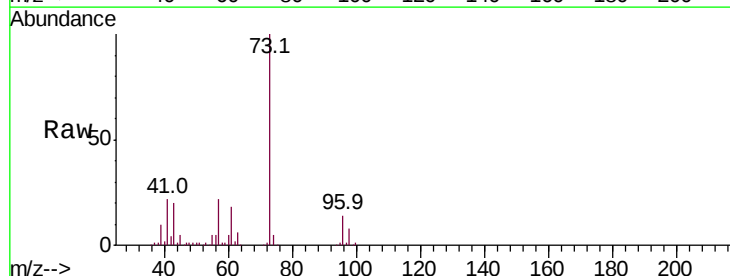


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

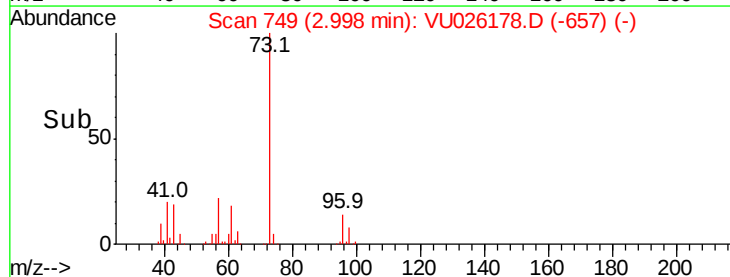
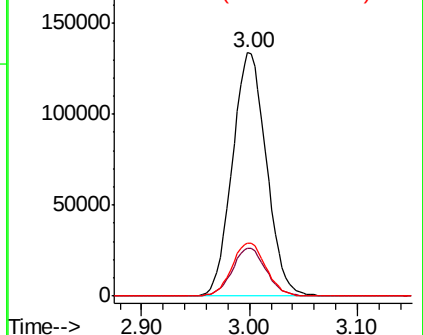


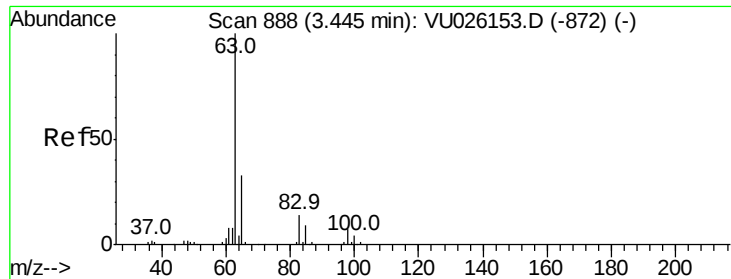
#18
Methyl tert-butyl Ether
Concen: 57.723 ug/L
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

Tgt Ion: 73 Resp: 294304
Ion Ratio Lower Upper
73 100
43 19.7 16.2 24.4
57 21.8 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: 53.870 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05069

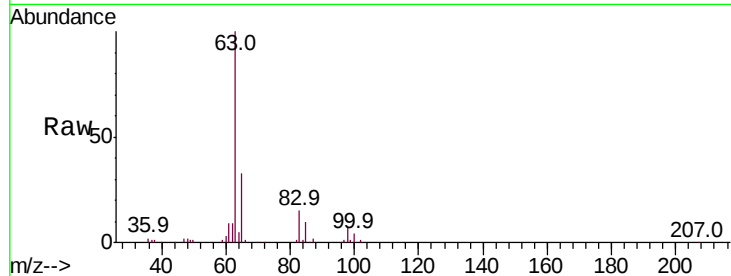
Tot Ion: 63 Resp: 166580

Ion Ratio Lower Upper

63 100

65 32.6 22.1 41.1

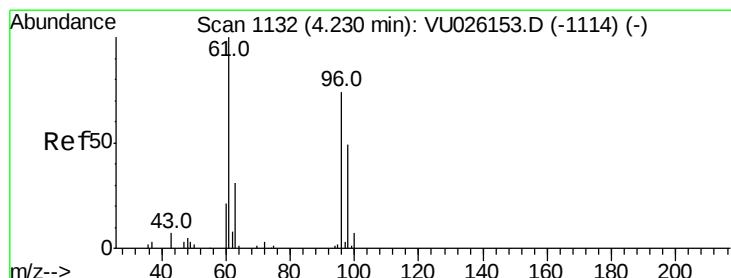
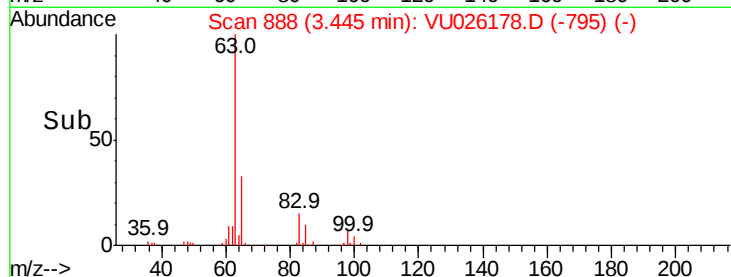
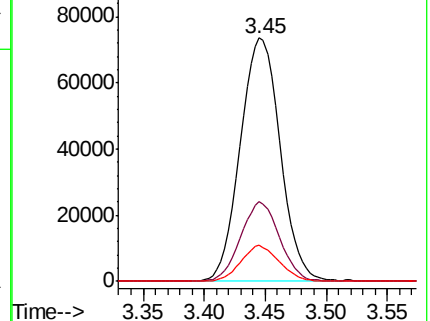
83 14.7 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 55.199 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

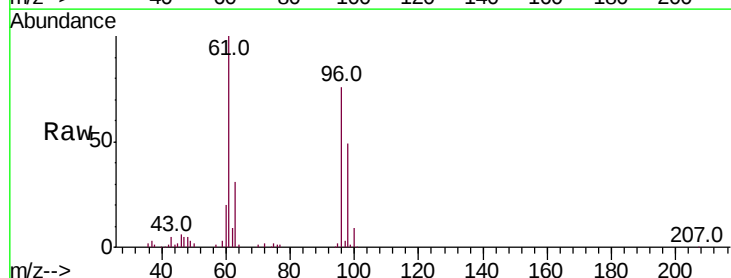
Tgt Ion: 96 Resp: 99407

Ion Ratio Lower Upper

96 100

61 130.8 88.6 164.6

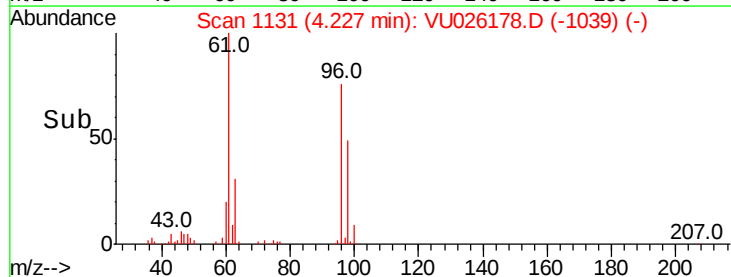
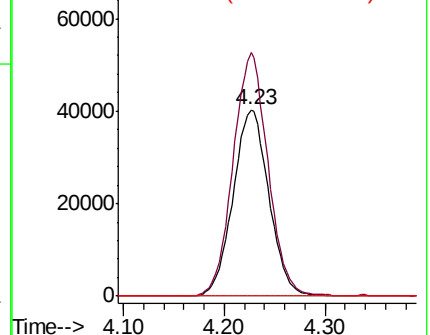
68 0.0 0.0 0.0

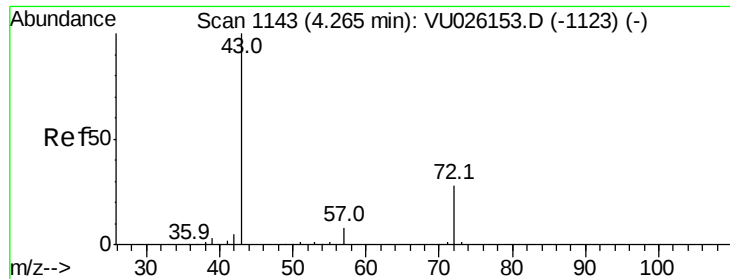


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 106.189 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

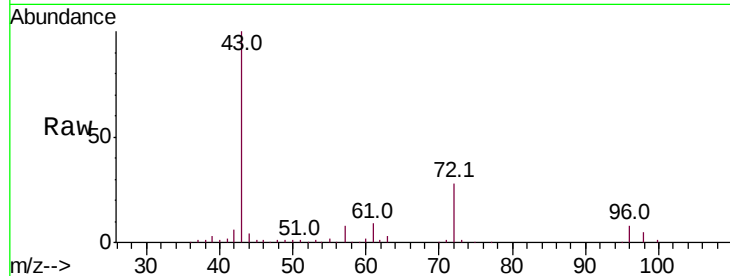
VSTD05069

Tot Ion: 43 Resp: 139765

Ion Ratio Lower Upper

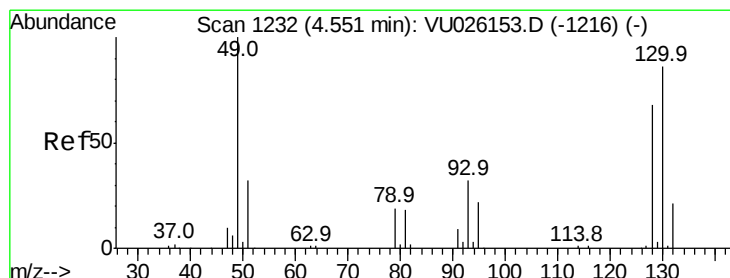
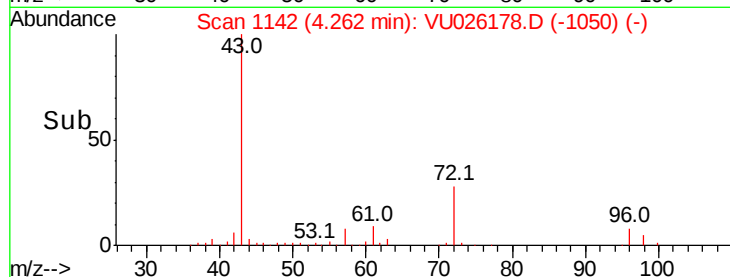
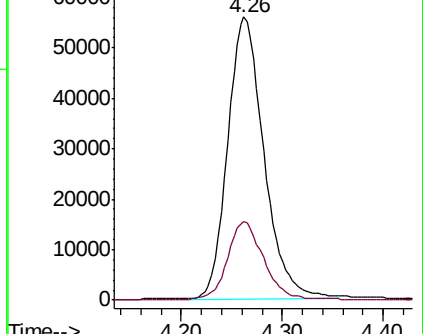
43 100

72 28.1 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU026178.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU026178.D (-1142) (-)



#23

Bromochloromethane

Concen: 56.684 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Tgt Ion:128 Resp: 55182

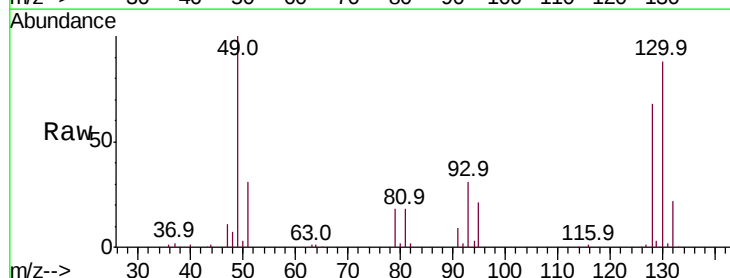
Ion Ratio Lower Upper

128 100

49 147.8 101.3 188.1

130 129.3 86.4 160.4

51 45.7 38.1 57.1

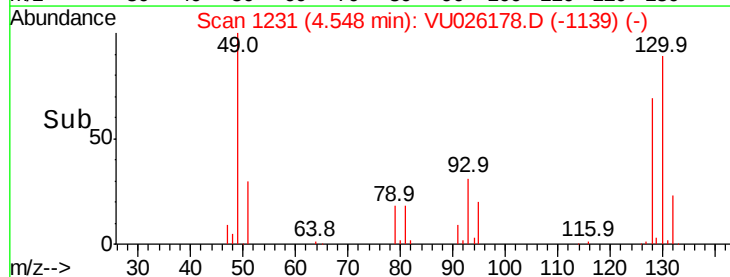
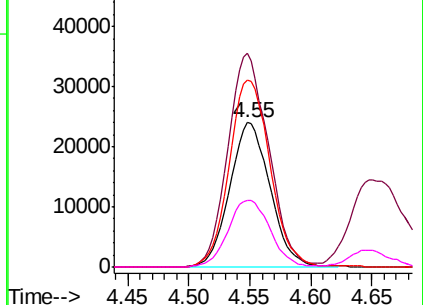


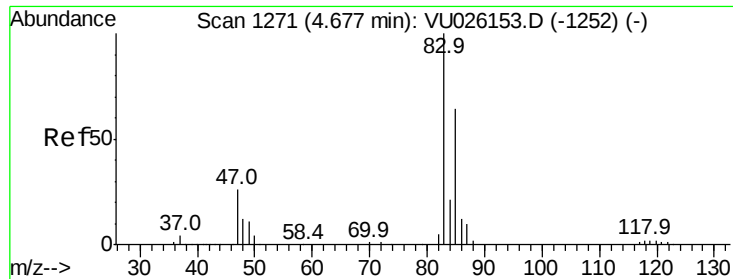
Abundance Ion 128.00 (127.70 to 128.70): VU026178.D (-1231) (-)

Ion 49.00 (48.70 to 49.70): VU026178.D (-1231) (-)

Ion 130.00 (129.70 to 130.70): VU026178.D (-1231) (-)

Ion 51.00 (50.70 to 51.70): VU026178.D (-1231) (-)

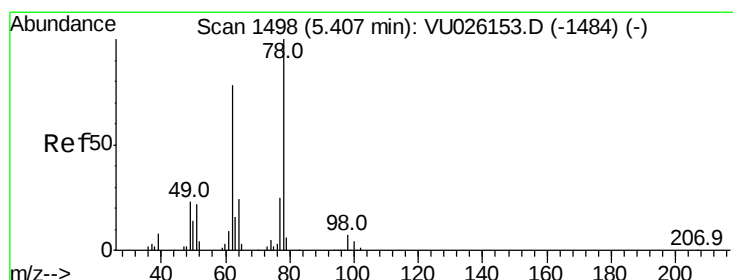
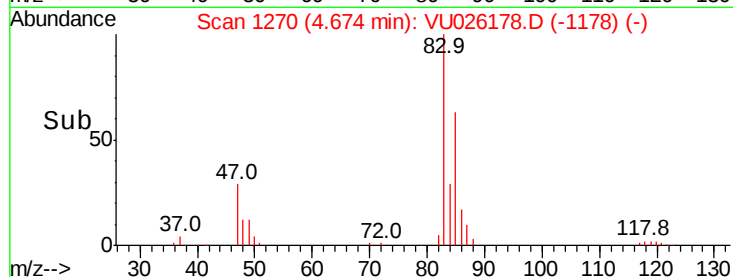
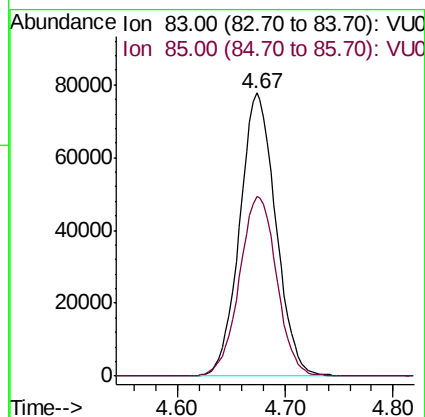
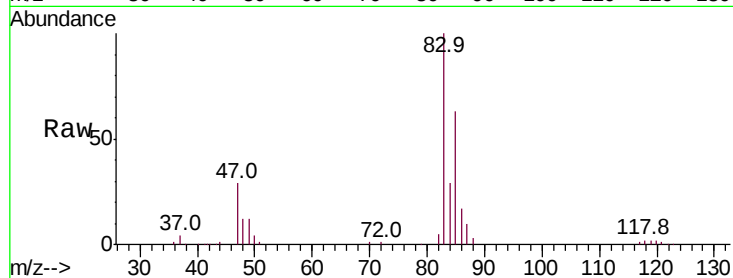




#25
Chloroform
Concen: 55.717 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

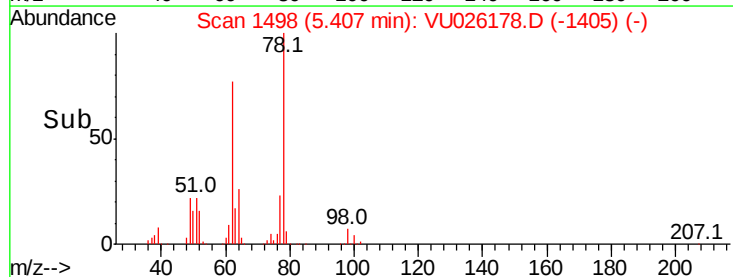
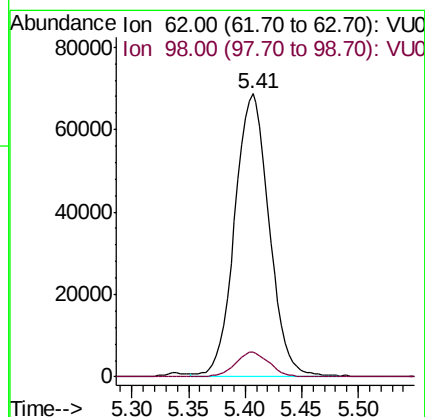
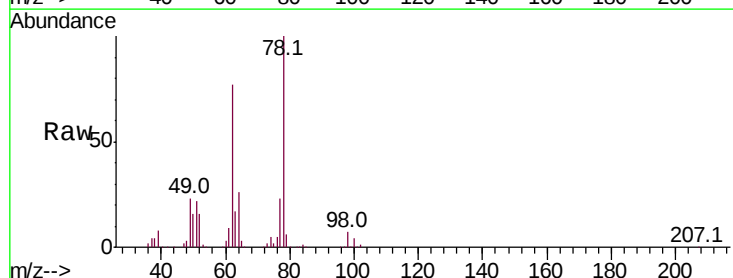
Instrument :
MSVOA_U
ClientSampleId :
VSTD05069

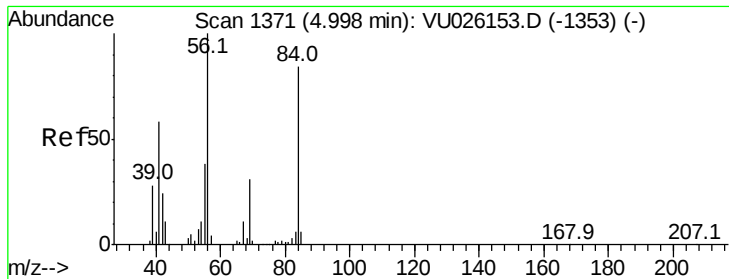
Tot Ion: 83 Resp: 180876
Ion Ratio Lower Upper
83 100
85 63.4 46.3 86.1



#27
1,2-Dichloroethane
Concen: 55.226 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

Tgt Ion: 62 Resp: 144951
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.4

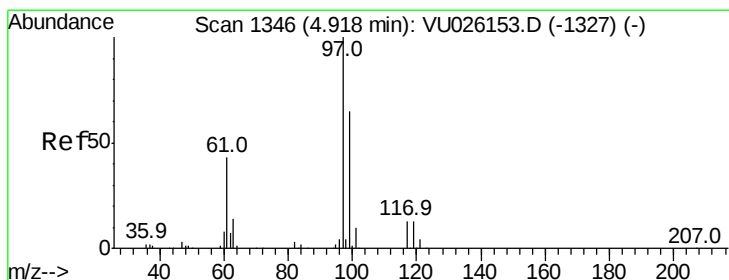
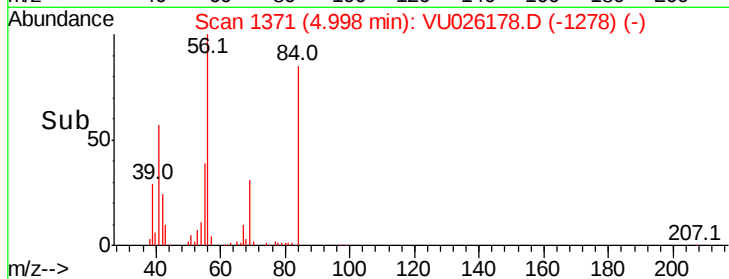
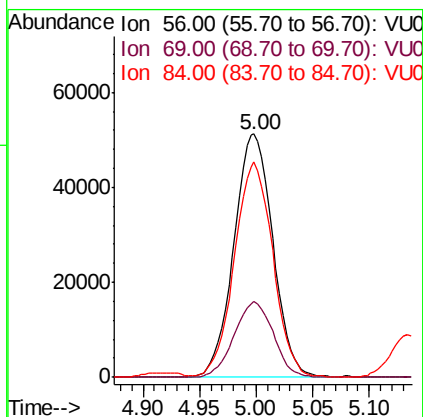
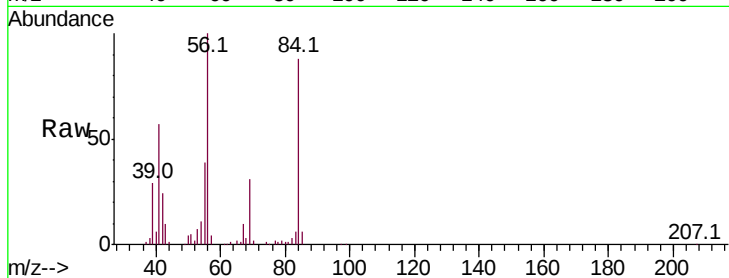




#29
Cyclohexane
Concen: 49.771 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

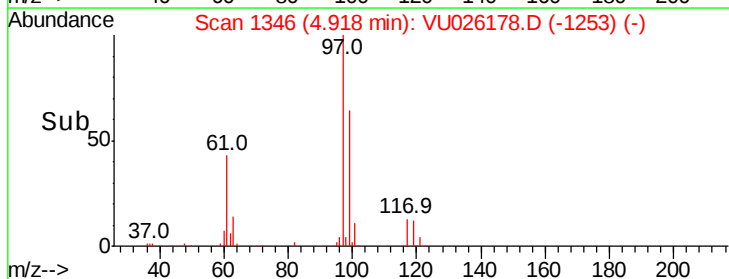
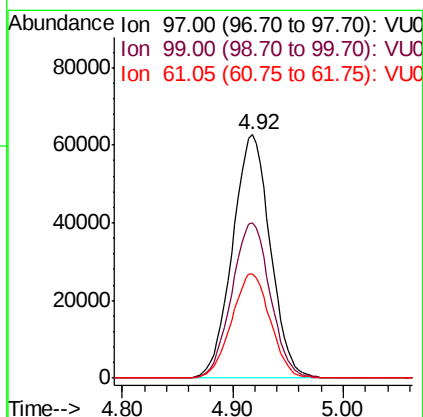
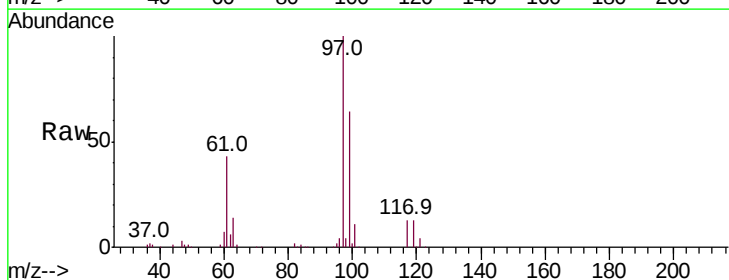
Instrument :
MSVOA_U
ClientSampleId :
VSTD05069

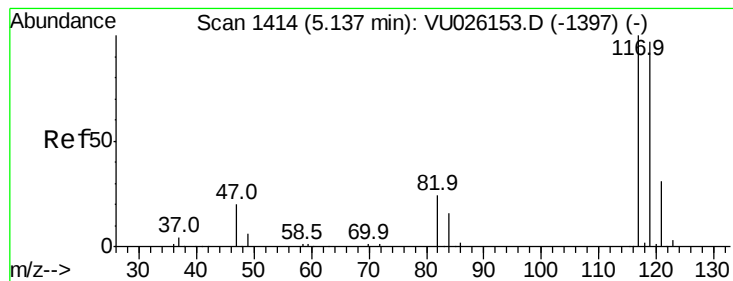
Tot Ion	56	Resp	122906
Ion Ratio	Lower	Upper	
56	100		
69	31.1	24.1	36.1
84	86.8	68.6	102.8



#30
1,1,1-Trichloroethane
Concen: 50.476 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

Tgt Ion	97	Resp	149046
Ion Ratio	Lower	Upper	
97	100		
99	64.8	52.2	78.2
61	43.8	35.4	53.0





#31

Carbon tetrachloride

Concen: 49.966 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

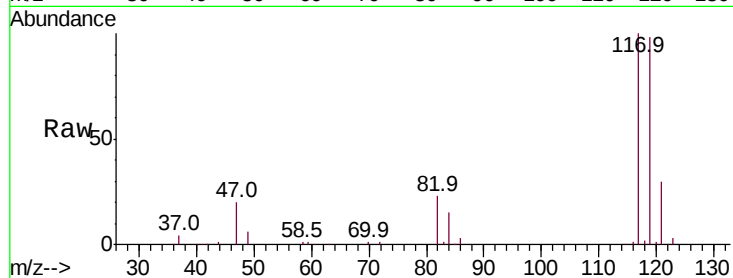
VSTD05069

Tot Ion:117 Resp: 133668

Ion Ratio Lower Upper

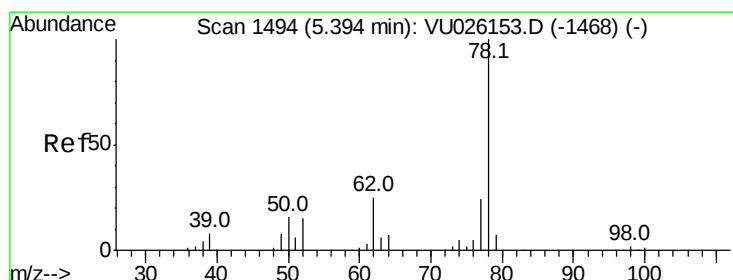
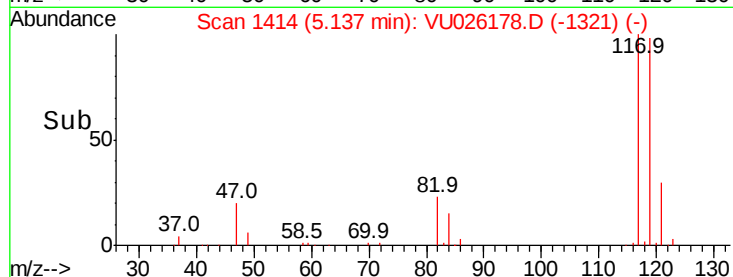
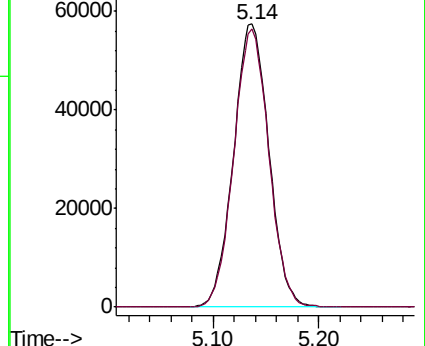
117 100

119 97.3 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.083 ug/L

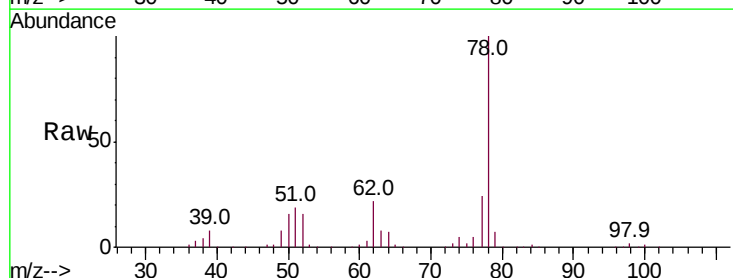
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

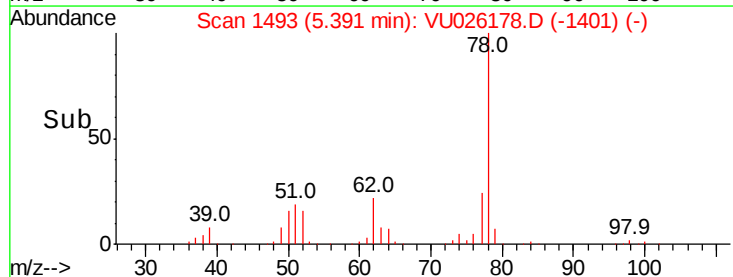
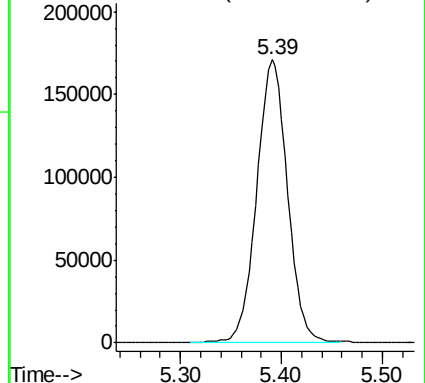
Lab File: VU026178.D

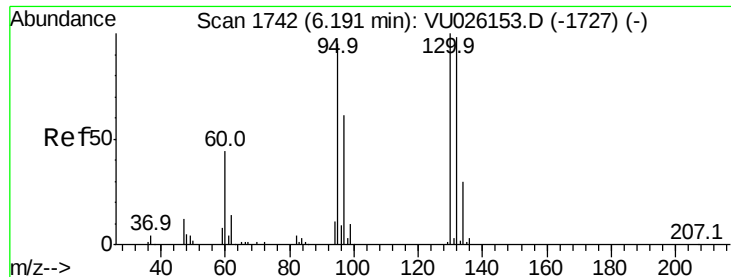
Acq: 16 Aug 2018 16:10

Tgt Ion: 78 Resp: 361925



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.688 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05069

Tot Ion: 95 Resp: 90108

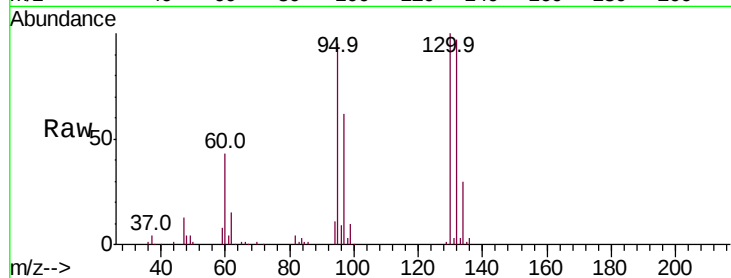
Ion Ratio Lower Upper

95 100

97 65.4 45.7 84.9

132 102.2 68.8 127.8

130 105.6 71.5 132.7

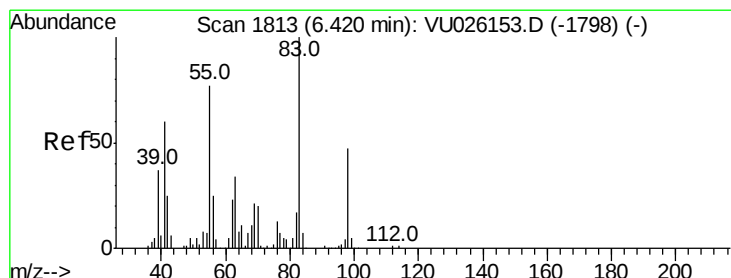
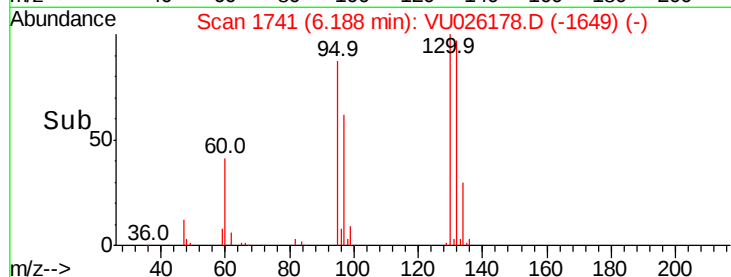
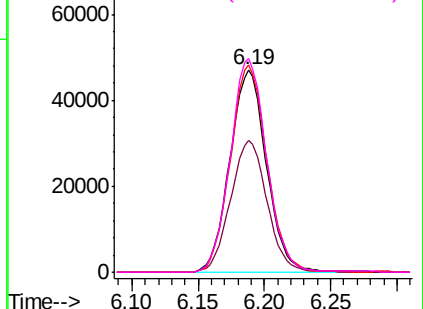


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.738 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

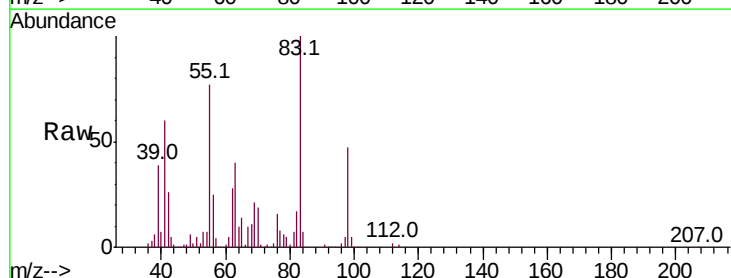
Tgt Ion: 83 Resp: 132779

Ion Ratio Lower Upper

83 100

55 78.2 61.0 91.6

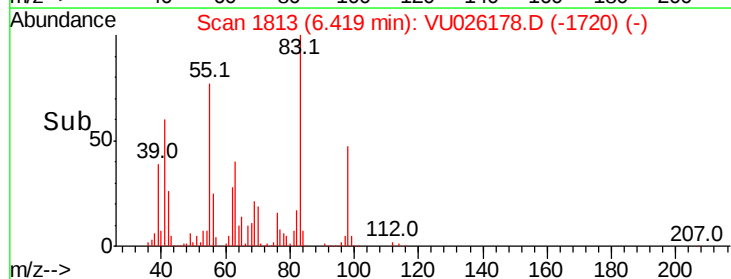
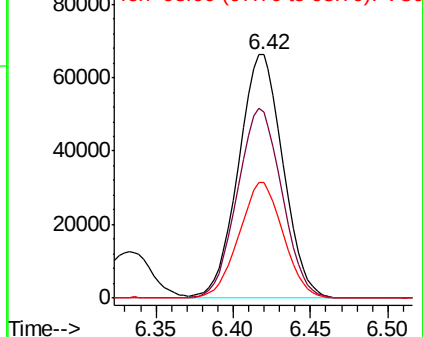
98 47.2 37.6 56.4

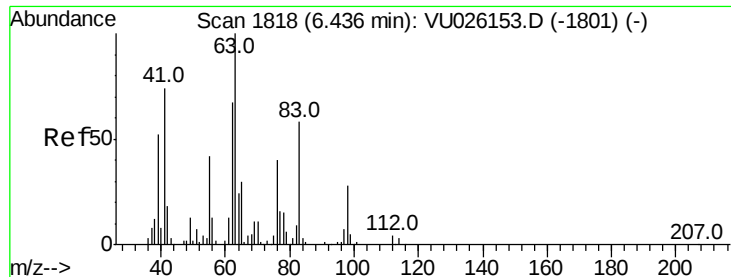


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

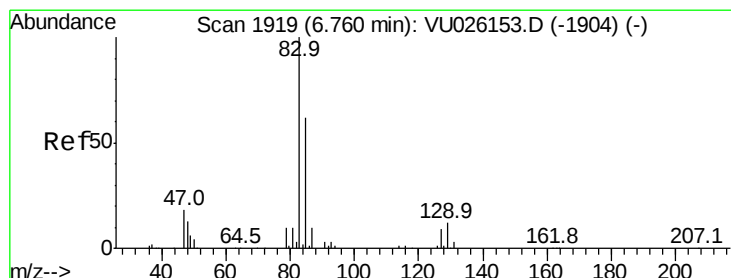
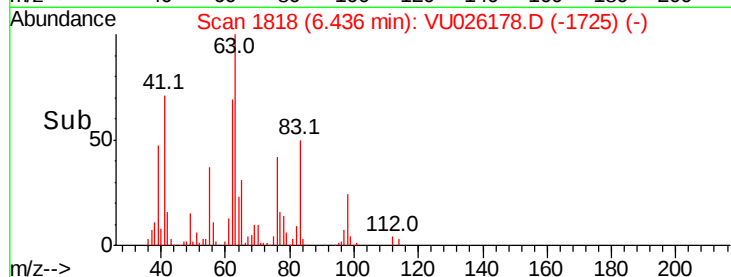
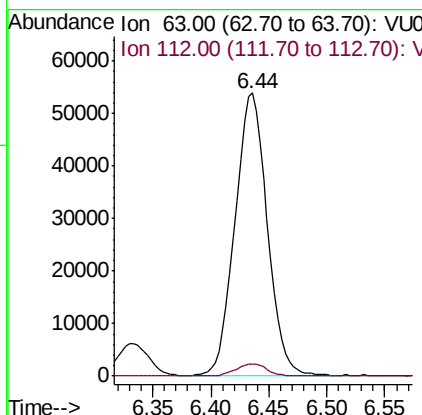
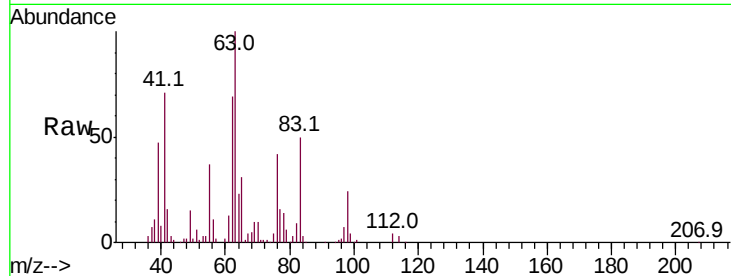




#37
 1,2-Dichloropropane
 Concen: 55.882 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026178.D
 Acq: 16 Aug 2018 16:10

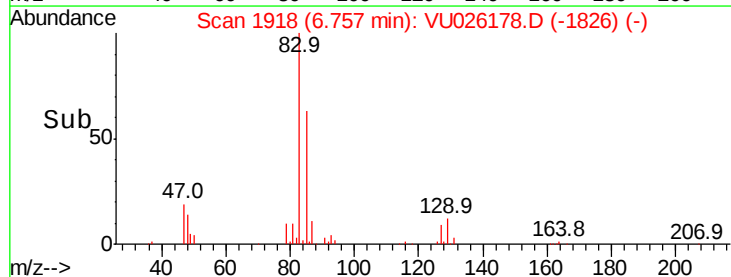
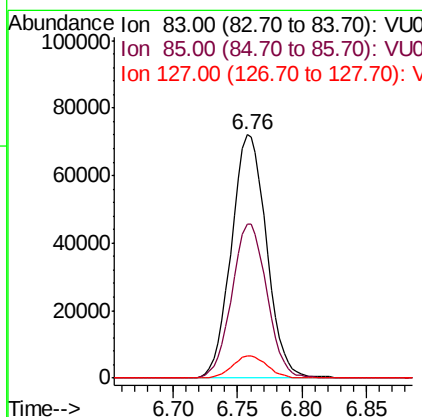
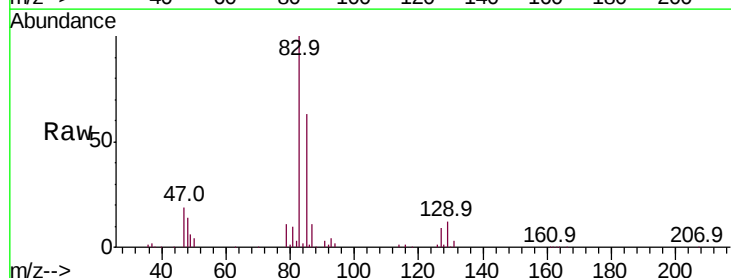
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05069

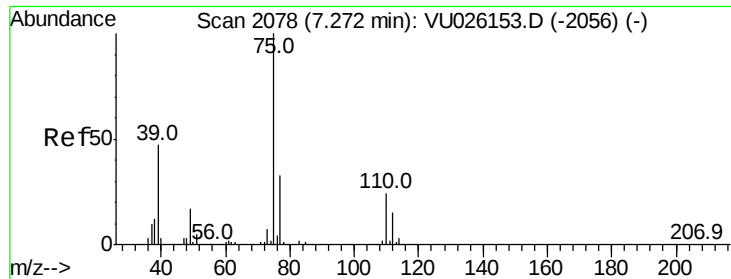
Tot Ion: 63 Resp: 104440
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 55.269 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026178.D
 Acq: 16 Aug 2018 16:10

Tgt Ion: 83 Resp: 136764
 Ion Ratio Lower Upper
 83 100
 85 63.0 46.0 85.4
 127 9.3 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 56.280 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

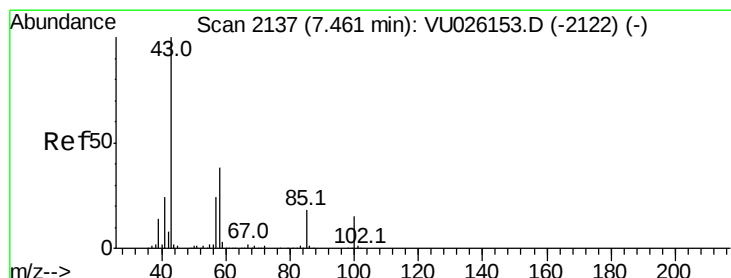
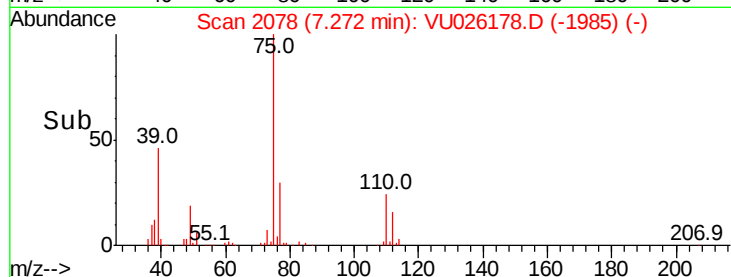
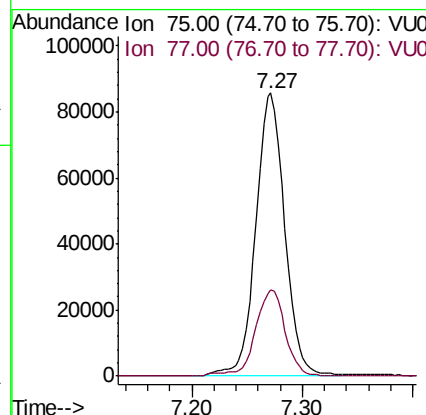
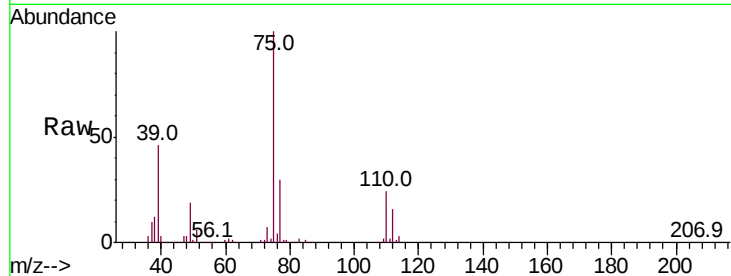
VSTD05069

Tot Ion: 75 Resp: 156141

Ion Ratio Lower Upper

75 100

77 30.3 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 113.894 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

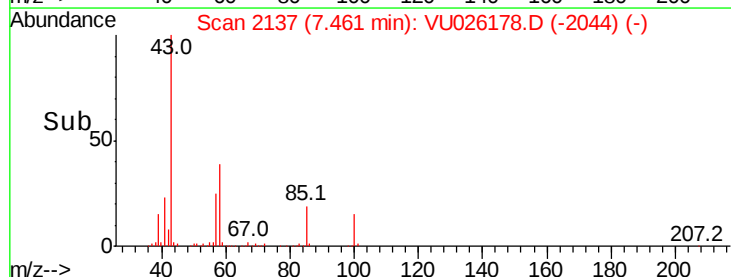
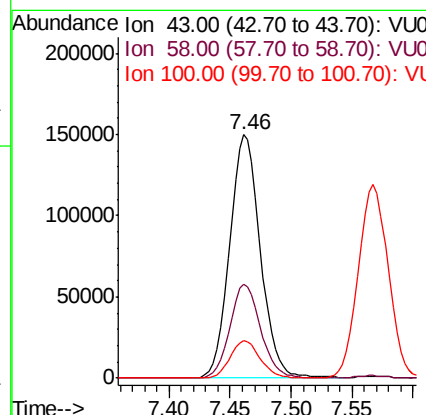
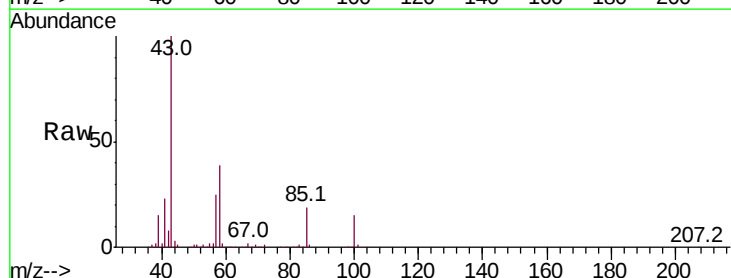
Tgt Ion: 43 Resp: 264054

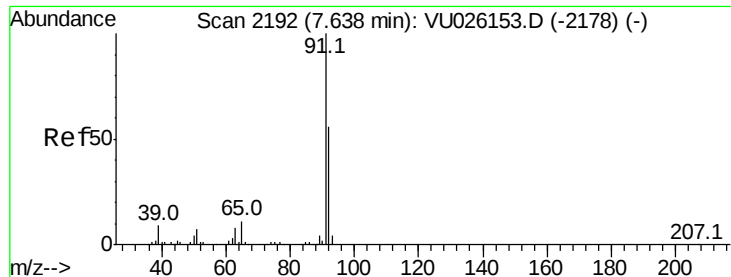
Ion Ratio Lower Upper

43 100

58 38.7 31.8 47.8

100 15.2 12.2 18.2





#42

Toluene

Concen: 54.611 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

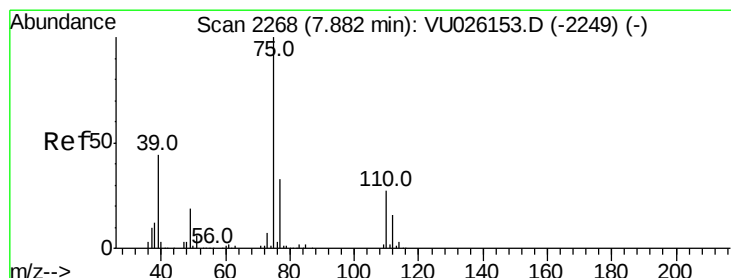
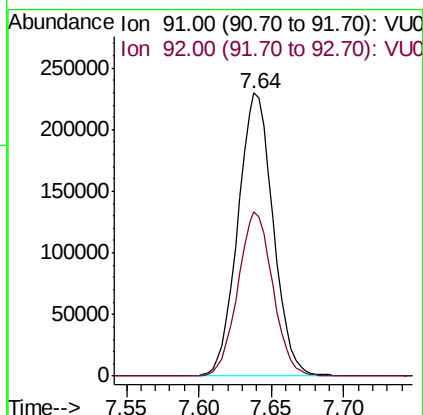
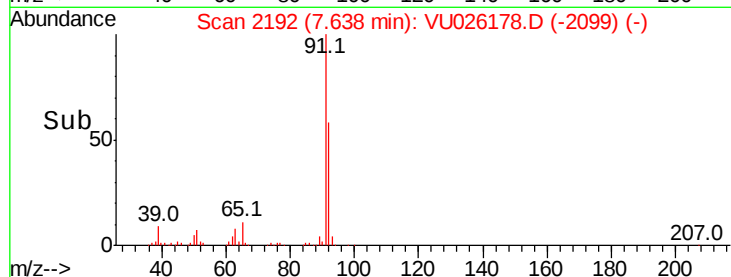
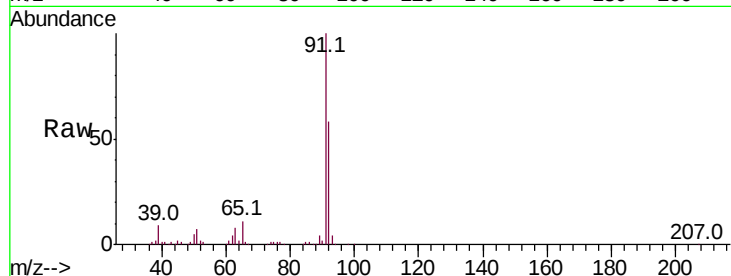
VSTD05069

Tot Ion: 91 Resp: 388115

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 55.126 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026178.D

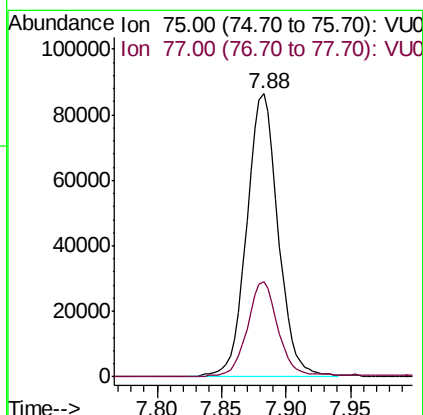
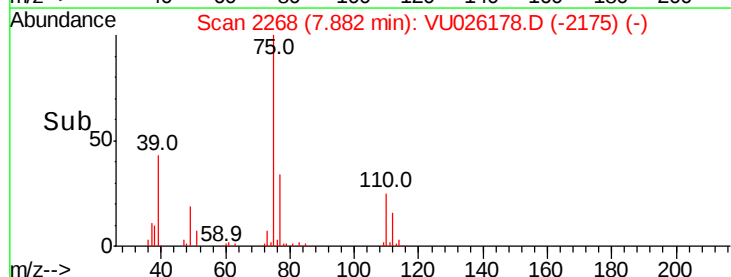
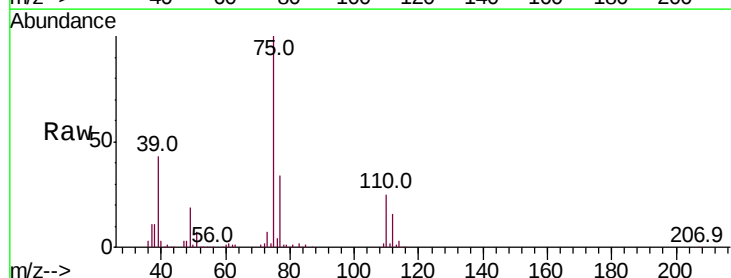
Acq: 16 Aug 2018 16:10

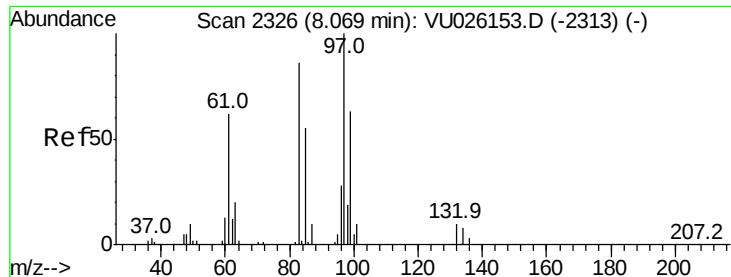
Tgt Ion: 75 Resp: 147367

Ion Ratio Lower Upper

75 100

77 33.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 55.957 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05069

Tot Ion: 97 Resp: 99158

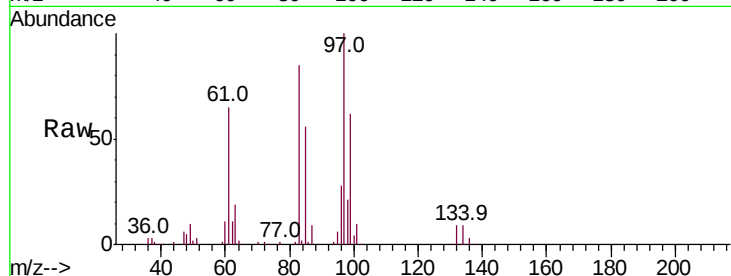
Ion Ratio Lower Upper

97 100

99 62.5 43.3 80.5

83 85.5 58.4 108.6

85 55.8 39.0 72.4

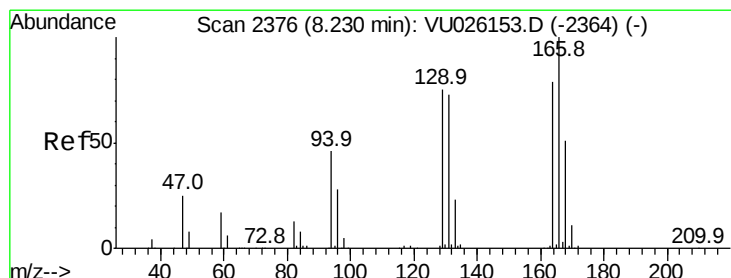
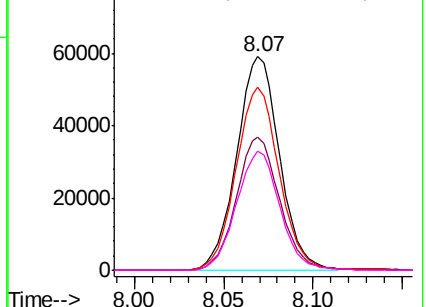
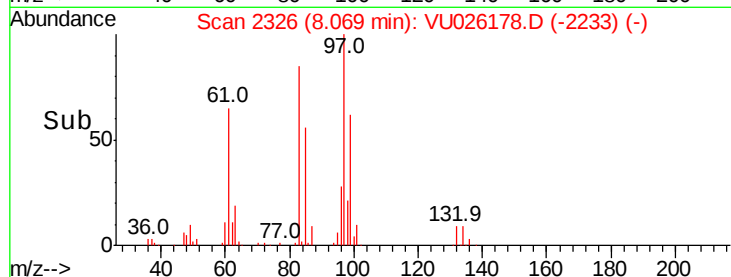


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 50.962 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Tgt Ion:164 Resp: 76621

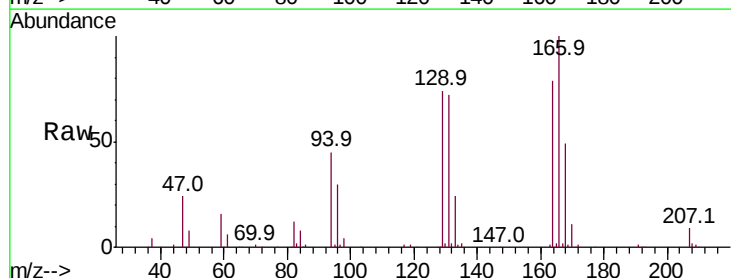
Ion Ratio Lower Upper

164 100

129 94.7 65.7 121.9

131 90.9 62.0 115.2

166 127.1 88.9 165.1

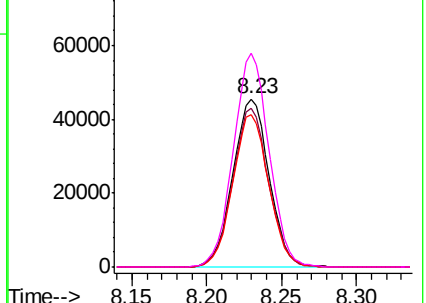
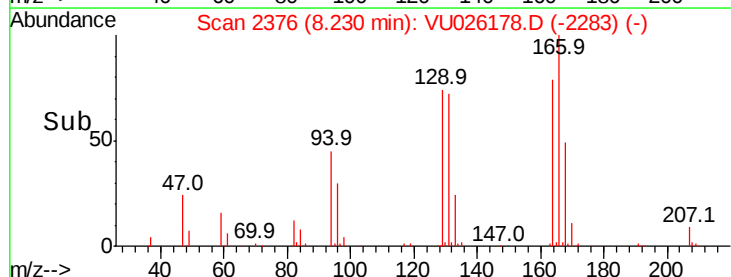


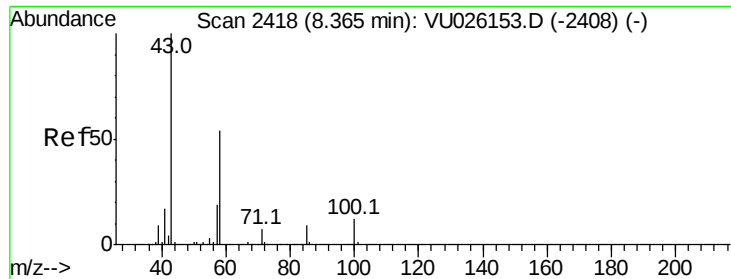
Abundance Ion 164.00 (163.70 to 164.70): V

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

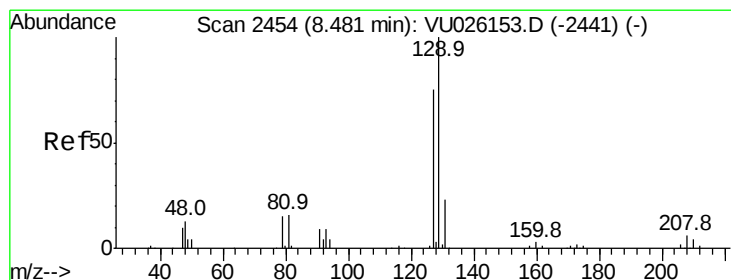
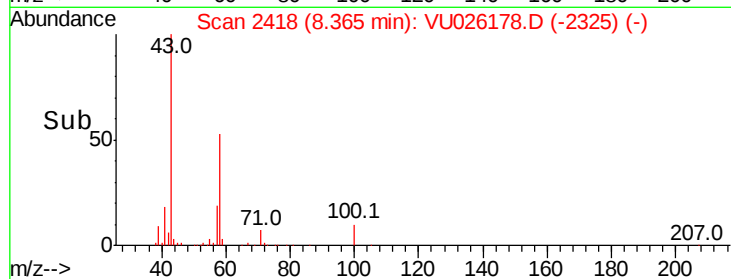
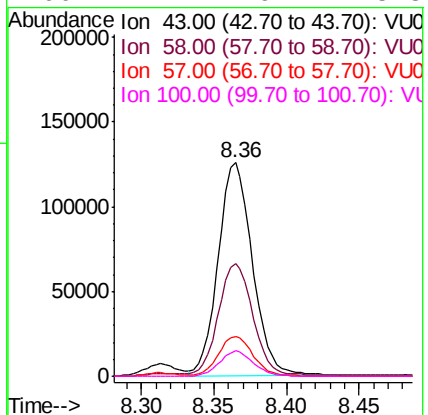
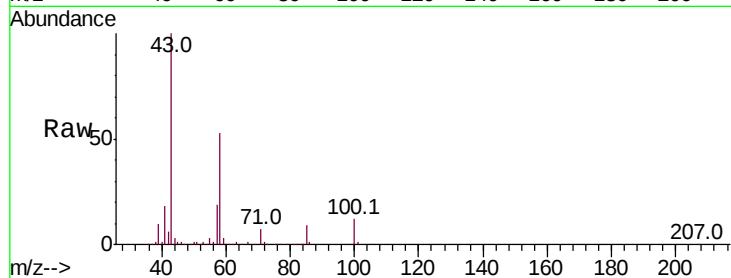




#48
2-Hexanone
Concen: 113.796 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

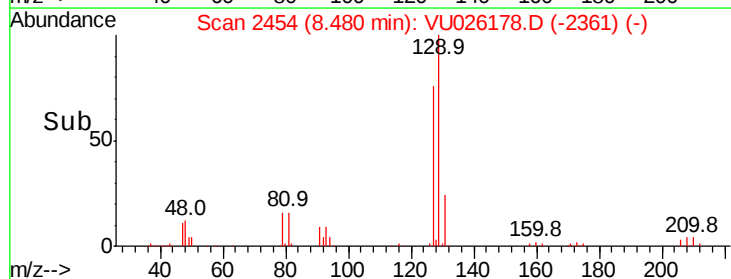
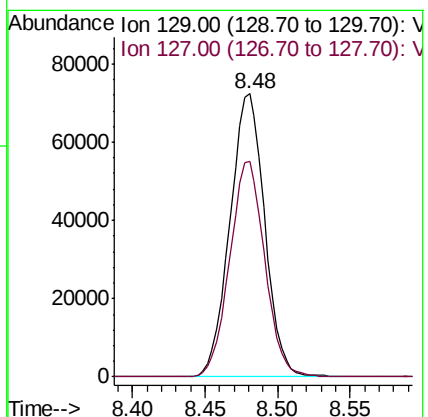
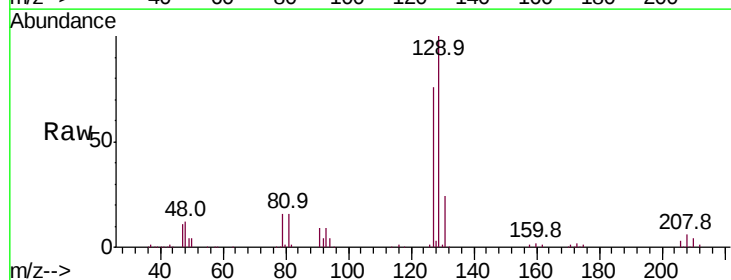
Instrument :
MSVOA_U
ClientSampleId :
VSTD05069

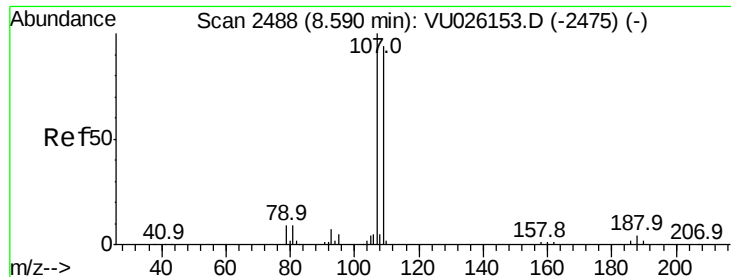
Tot Ion: 43 Resp: 206714
Ion Ratio Lower Upper
43 100
58 54.0 42.9 64.3
57 18.7 15.1 22.7
100 11.7 9.2 13.8



#49
Dibromochloromethane
Concen: 56.468 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026178.D
Acq: 16 Aug 2018 16:10

Tgt Ion: 129 Resp: 120514
Ion Ratio Lower Upper
129 100
127 76.0 54.6 101.4

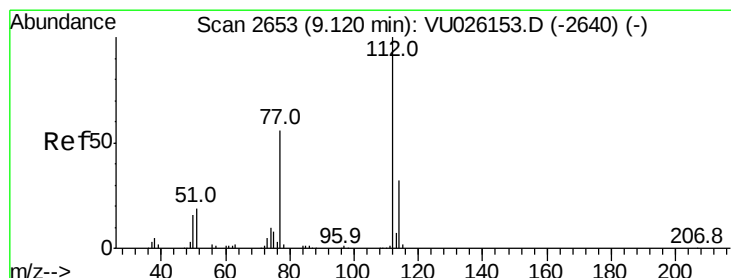
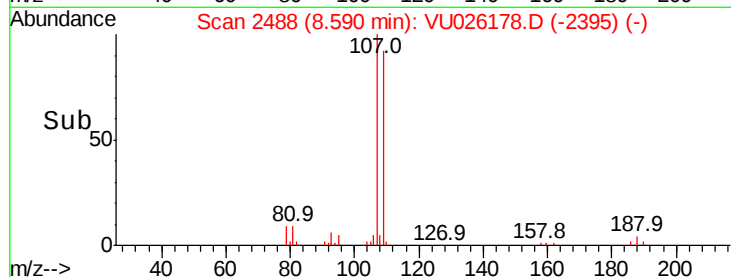
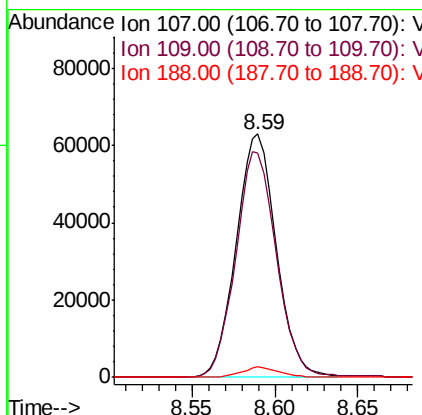
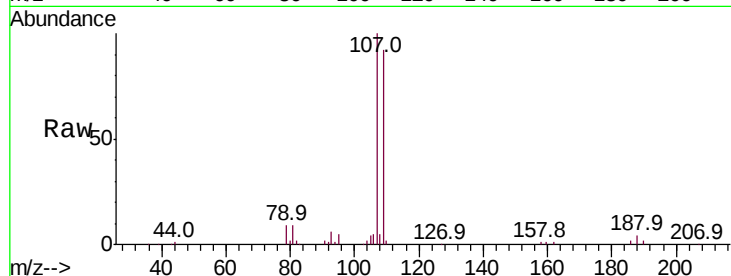




#50
 1,2-Dibromoethane
 Concen: 57.564 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026178.D
 Acq: 16 Aug 2018 16:10

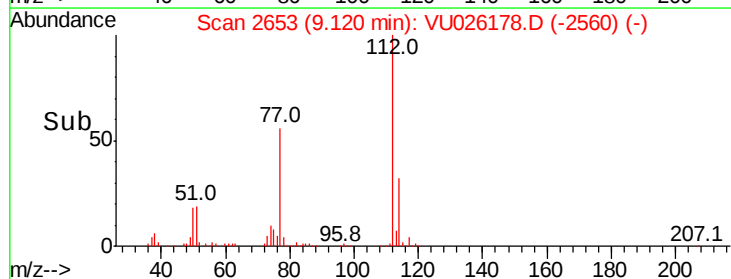
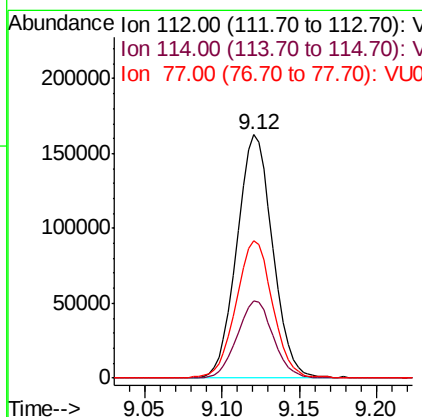
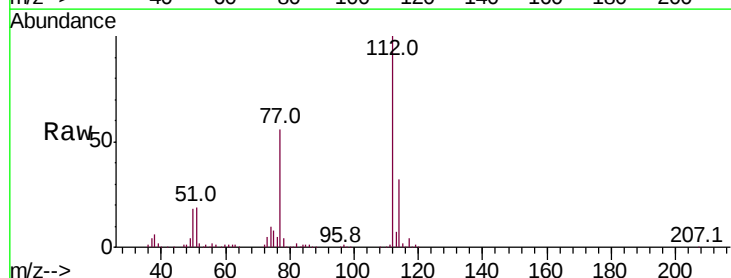
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05069

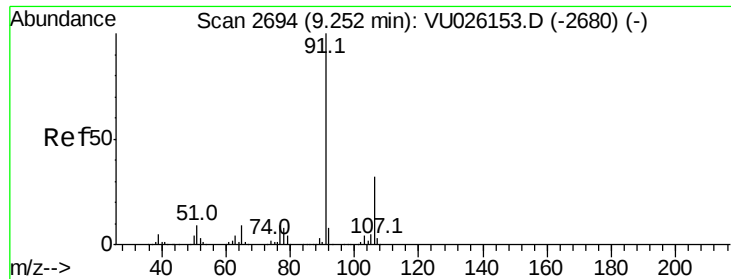
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	66.1	122.7
188	4.2	3.2	4.8



#51
 Chlorobenzene
 Concen: 53.893 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026178.D
 Acq: 16 Aug 2018 16:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.5	41.9
77	56.5	45.0	67.4





#52

Ethylbenzene

Concen: 53.158 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

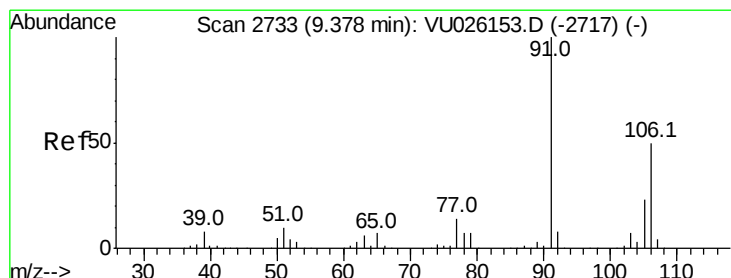
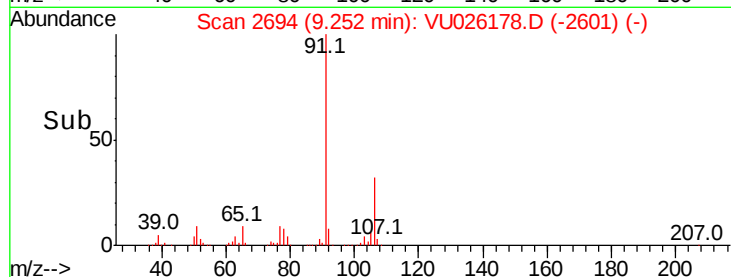
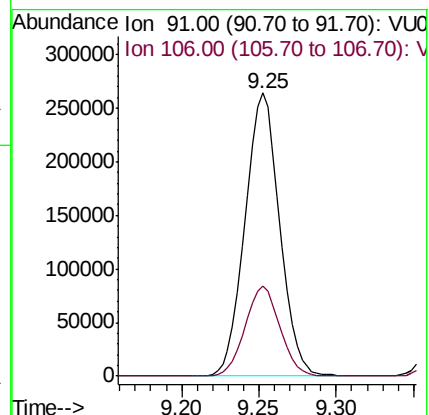
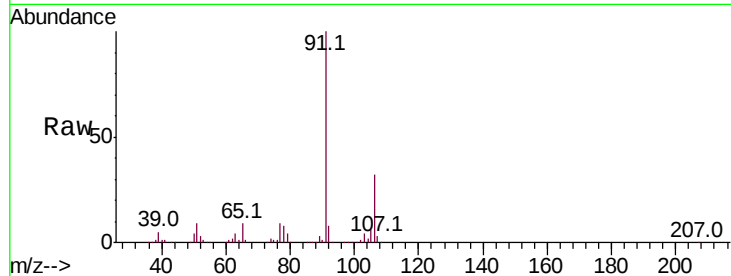
VSTD05069

Tot Ion: 91 Resp: 411526

Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.5



#53

m,p-Xylene

Concen: 54.688 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026178.D

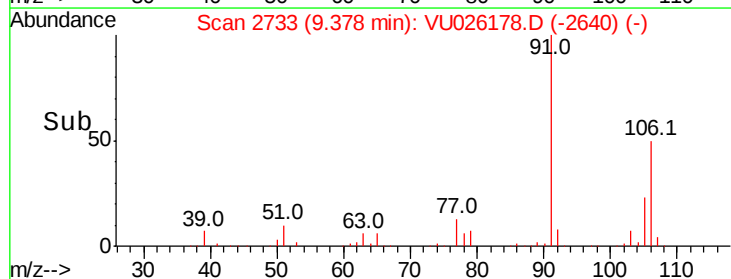
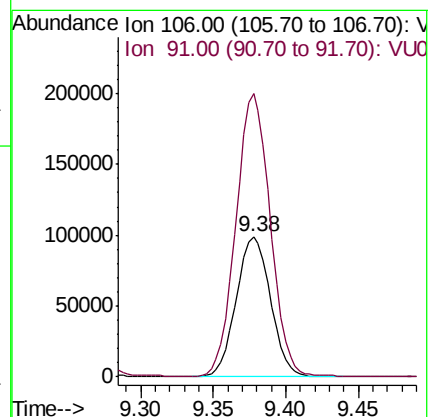
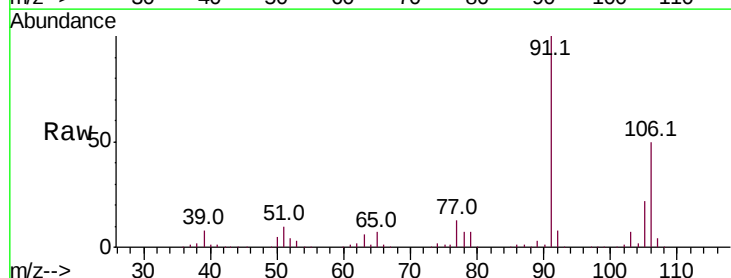
Acq: 16 Aug 2018 16:10

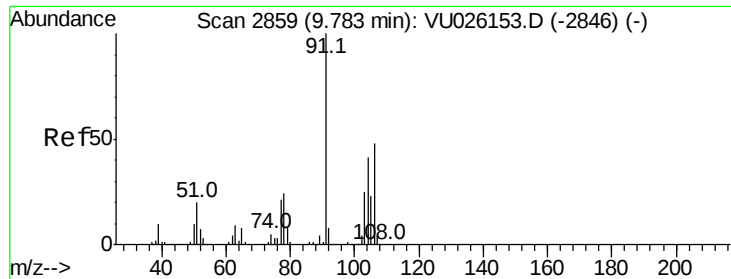
Tgt Ion:106 Resp: 163151

Ion Ratio Lower Upper

106 100

91 202.0 139.2 258.4





#54

o-xylene

Concen: 54.768 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

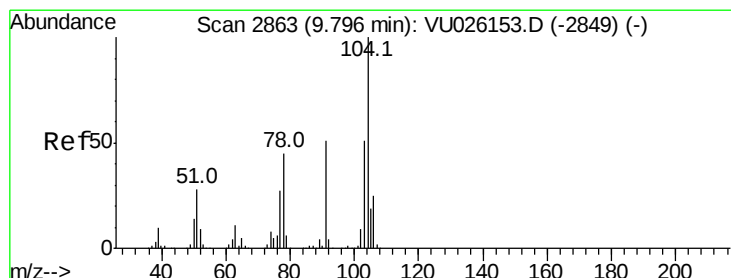
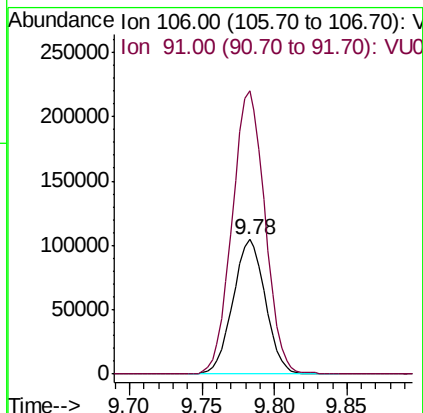
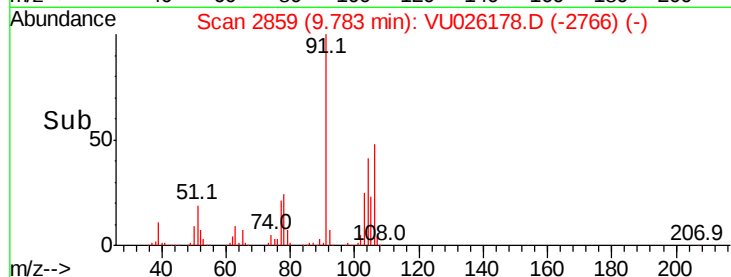
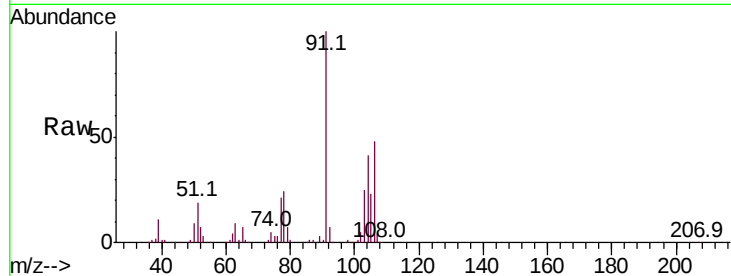
VSTD05069

Tot Ion:106 Resp: 163038

Ion Ratio Lower Upper

106 100

91 210.4 148.0 274.8



#55

Styrene

Concen: 57.308 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026178.D

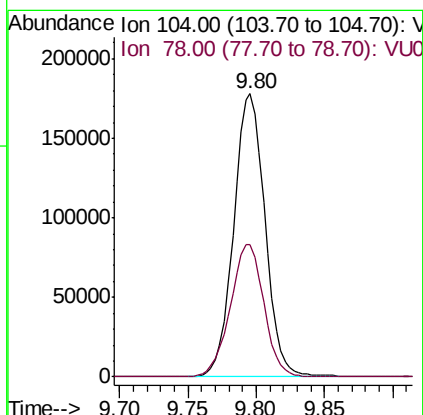
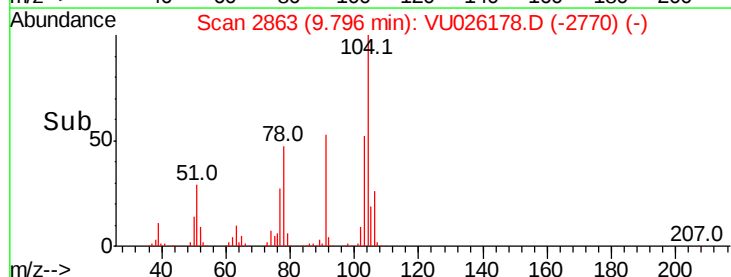
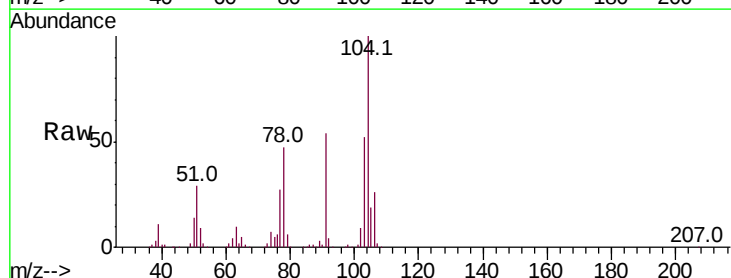
Acq: 16 Aug 2018 16:10

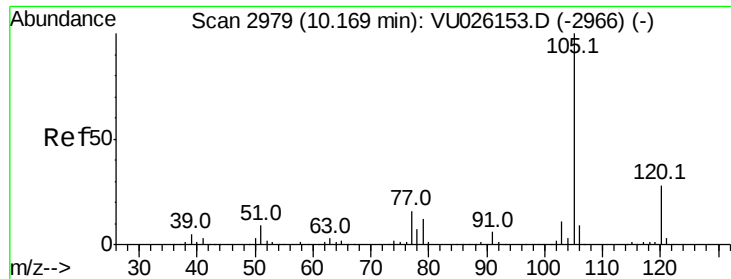
Tgt Ion:104 Resp: 284049

Ion Ratio Lower Upper

104 100

78 46.7 30.9 57.5





#56

Isopropylbenzene

Concen: 53.988 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05069

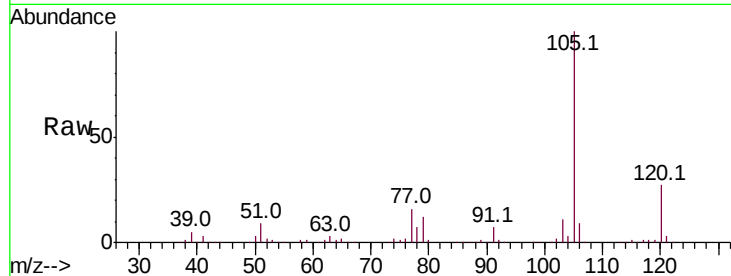
Tot Ion:105 Resp: 412623

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

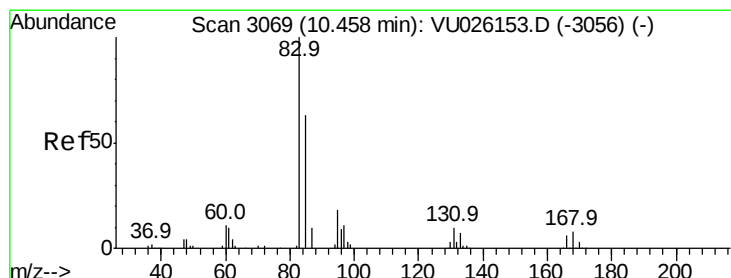
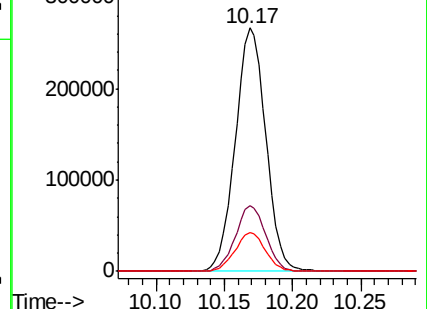
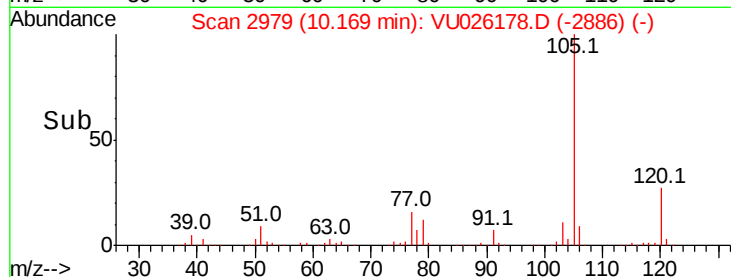
77 15.9 12.3 18.5



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: 57.137 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

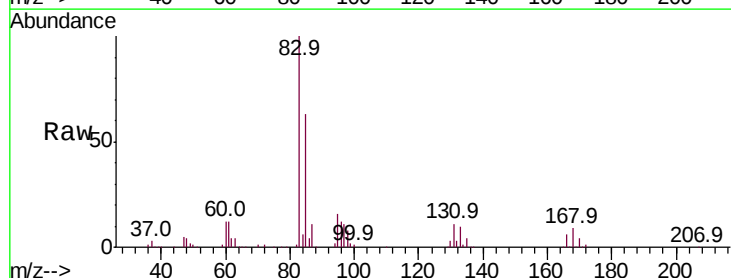
Tgt Ion: 83 Resp: 169085

Ion Ratio Lower Upper

83 100

85 62.6 45.0 83.6

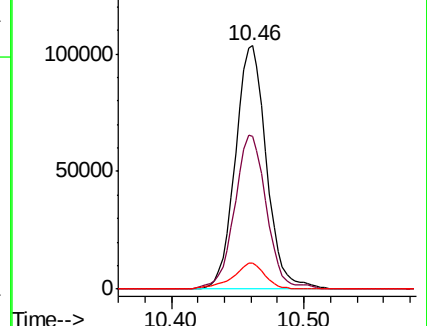
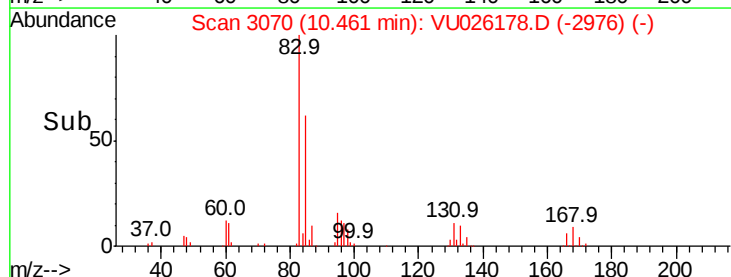
131 10.8 8.4 12.6

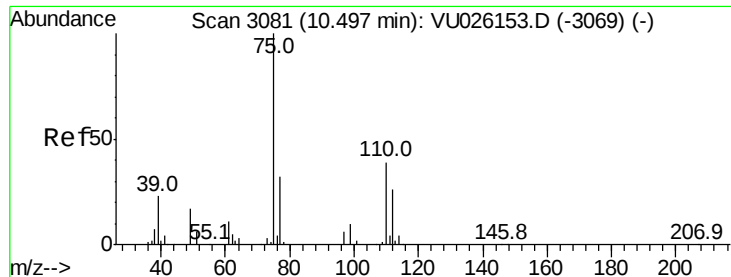


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

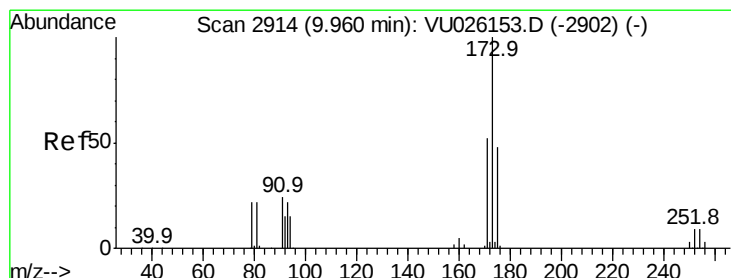
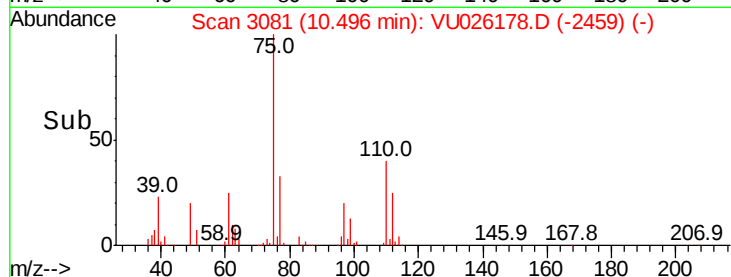
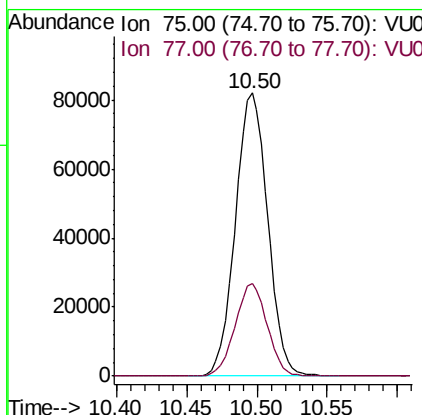
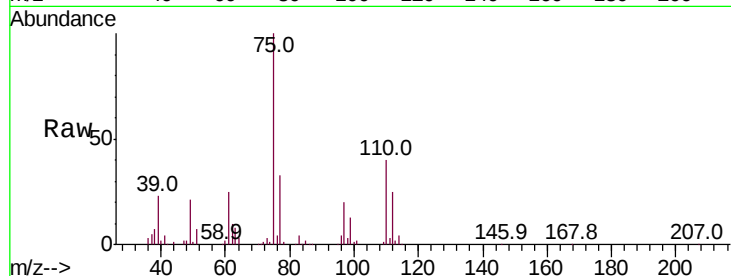




#59
 1,2,3-Trichloropropane
 Concen: 57.411 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026178.D
 Acq: 16 Aug 2018 16:10

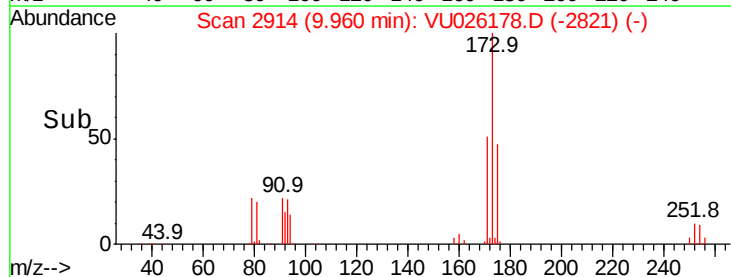
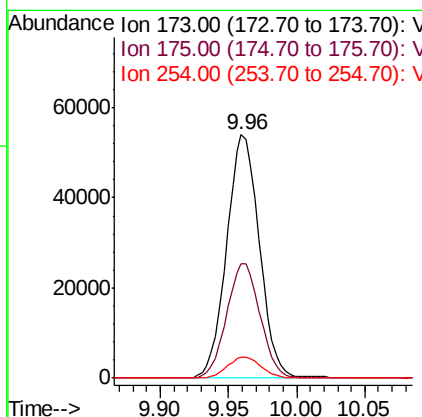
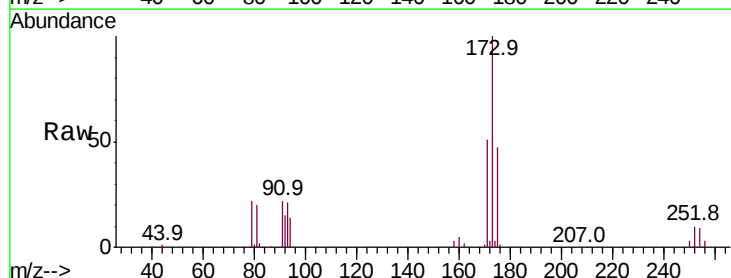
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05069

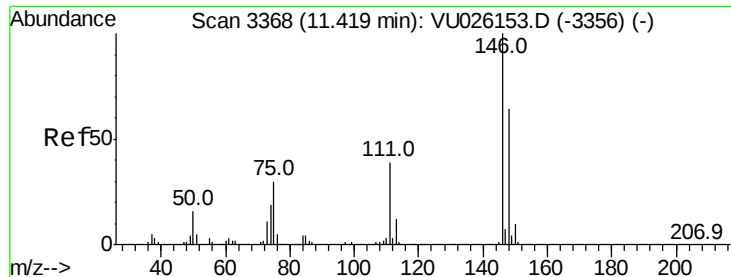
Tot Ion: 75 Resp: 132180
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.1 39.1



#61
 Bromoform
 Concen: 54.353 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026178.D
 Acq: 16 Aug 2018 16:10

Tgt Ion:173 Resp: 90059
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.8 58.2
 254 8.8 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 52.745 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05069

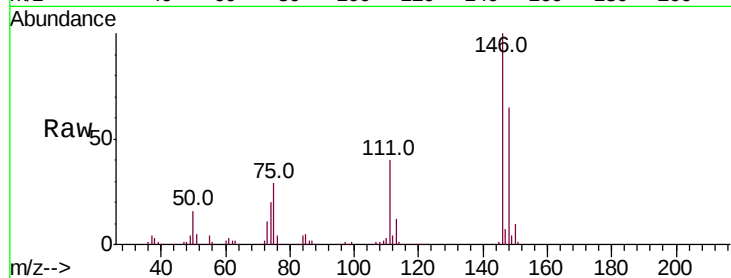
Tot Ion:146 Resp: 200315

Ion Ratio Lower Upper

146 100

111 40.0 26.7 49.7

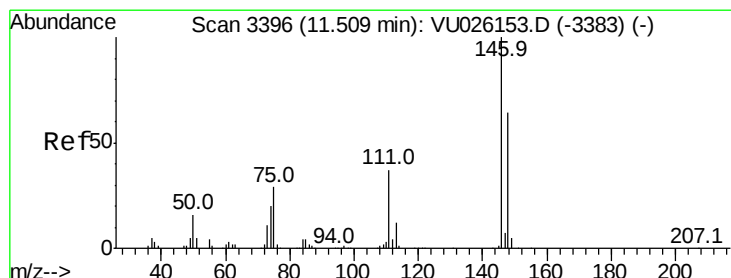
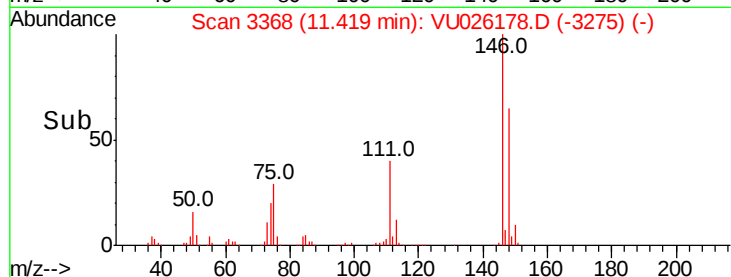
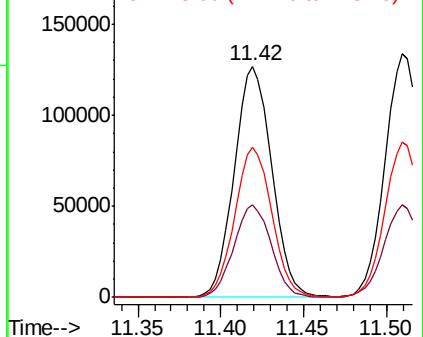
148 65.1 44.1 81.9



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: 52.648 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

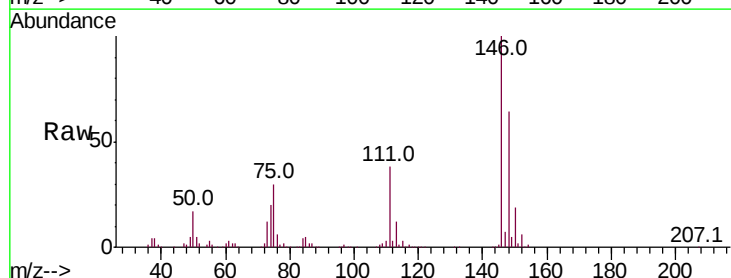
Tgt Ion:146 Resp: 206203

Ion Ratio Lower Upper

146 100

111 38.0 27.5 51.1

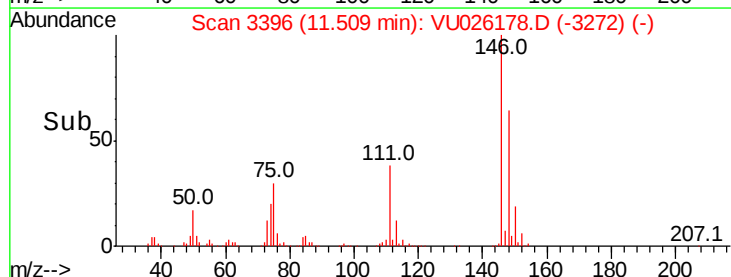
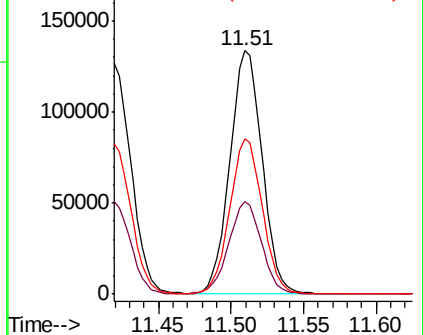
148 64.0 44.8 83.2

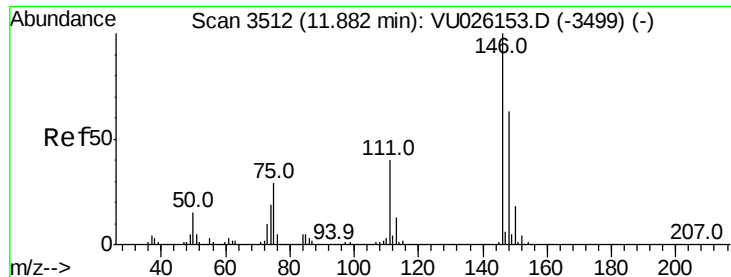


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 54.372 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05069

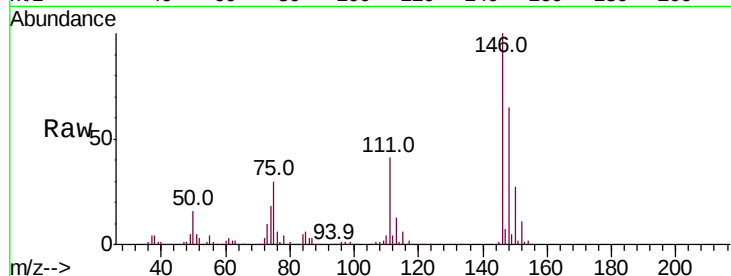
Tot Ion:146 Resp: 220688

Ion Ratio Lower Upper

146 100

111 41.1 32.7 49.1

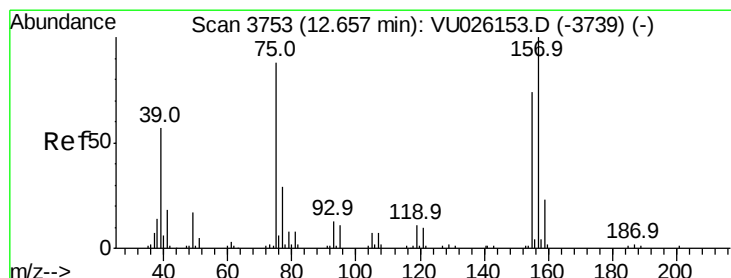
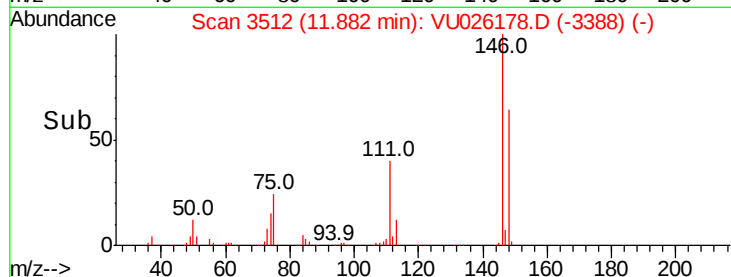
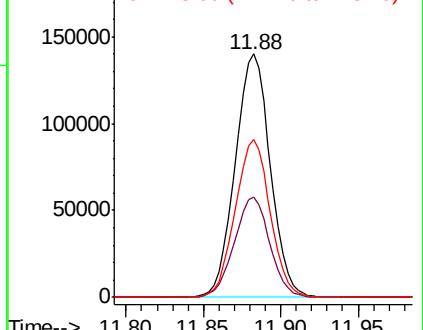
148 64.7 51.4 77.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 55.460 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

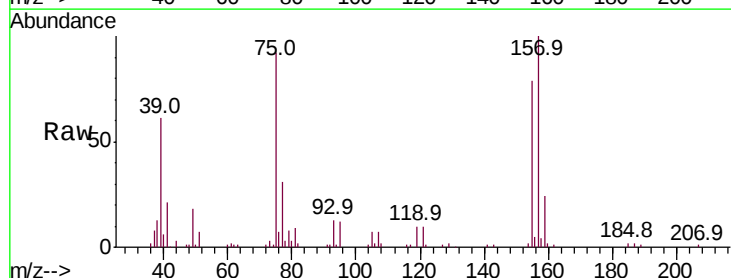
Tgt Ion: 75 Resp: 35690

Ion Ratio Lower Upper

75 100

155 85.4 68.2 102.2

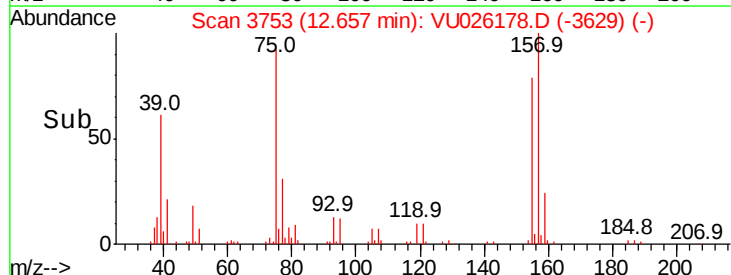
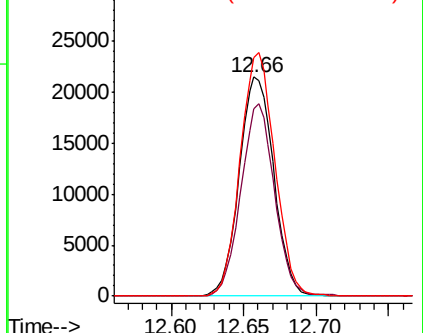
157 108.7 90.5 135.7

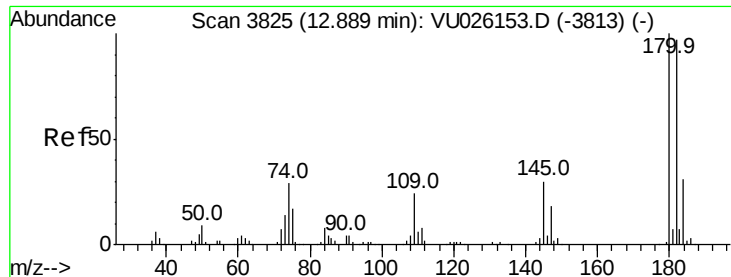


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

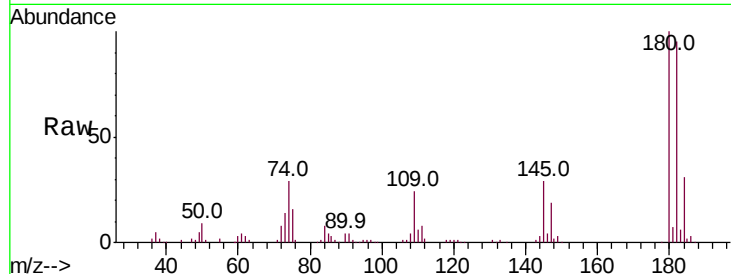




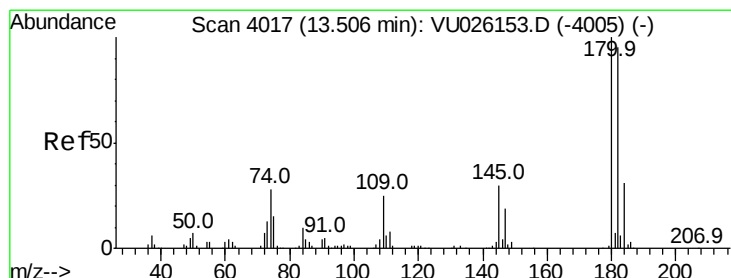
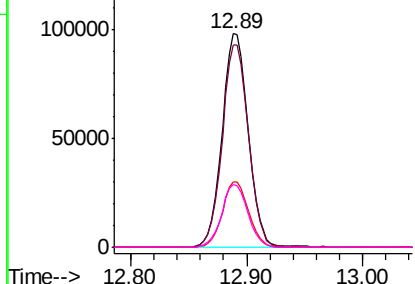
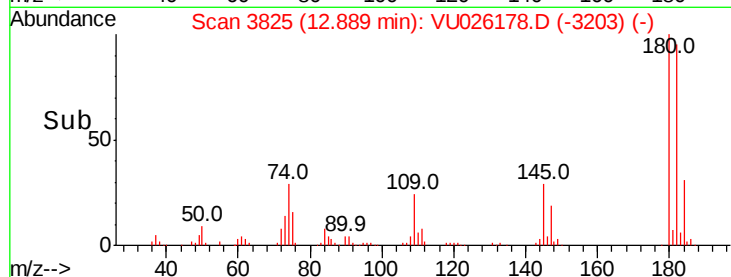
#67
 1,3,5-Trichlorobenzene
 Concen: 54.572 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026178.D
 Acq: 16 Aug 2018 16:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05069

Tot Ion:180	Resp:	153052
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.6 113.4
184	30.7	24.3 36.5
145	29.4	23.3 34.9

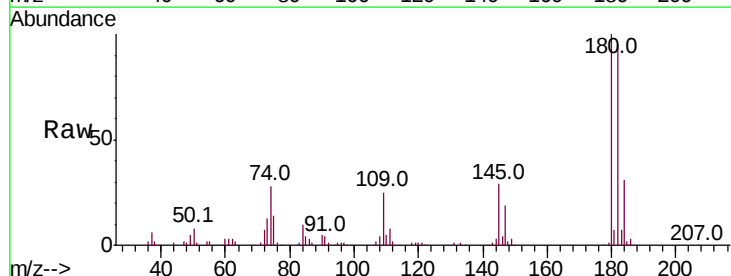


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

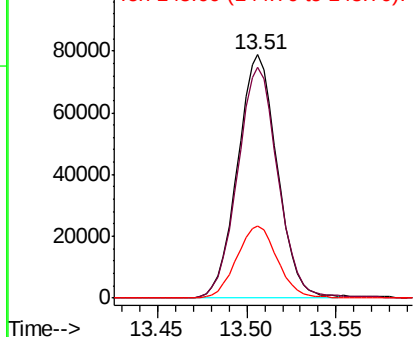
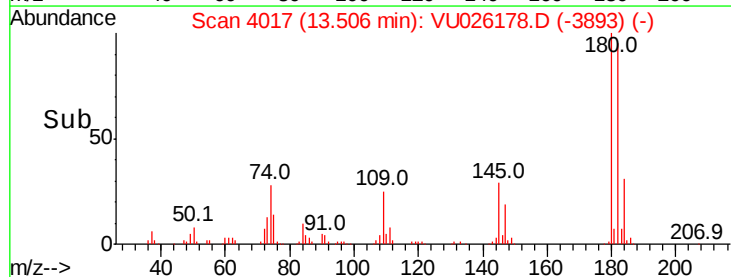


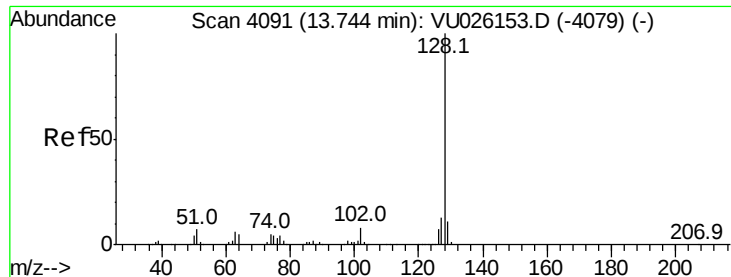
#68
 1,2,4-trichlorobenzene
 Concen: 57.697 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026178.D
 Acq: 16 Aug 2018 16:10

Tgt Ion:180	Resp:	122592
Ion Ratio	Lower	Upper
180	100	
182	96.4	76.8 115.2
145	30.5	23.8 35.6



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: 62.846 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05069

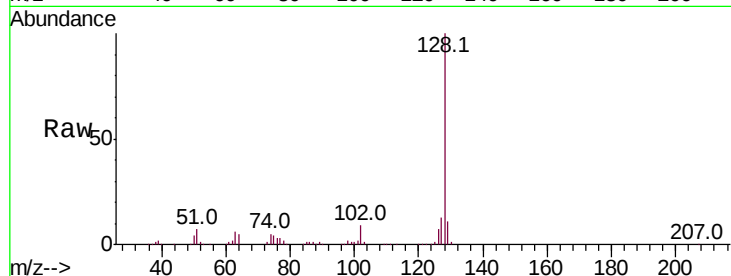
Tot Ion:128 Resp: 380015

Ion Ratio Lower Upper

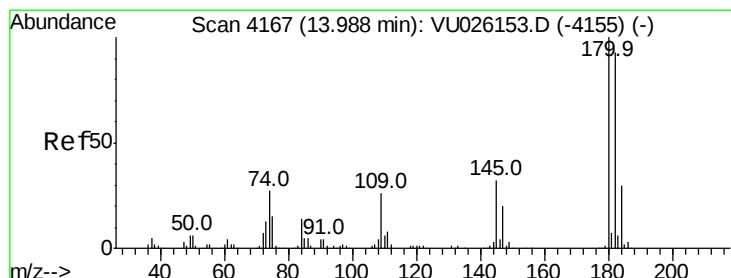
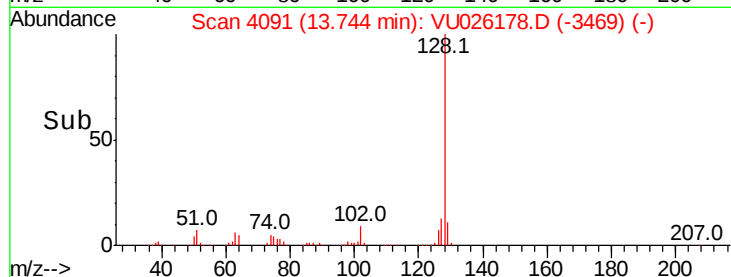
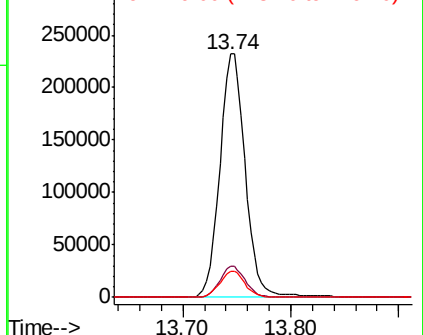
128 100

127 12.7 10.3 15.5

129 10.6 8.6 13.0



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: 59.281 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026178.D

Acq: 16 Aug 2018 16:10

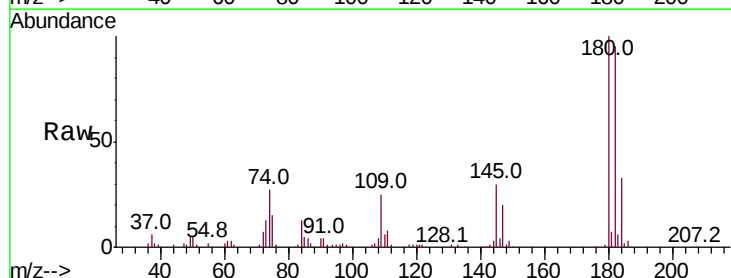
Tgt Ion:180 Resp: 135061

Ion Ratio Lower Upper

180 100

182 95.7 77.1 115.7

145 30.9 25.1 37.7



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

