

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070618\
 Data File : VU025237.D
 Acq On : 06 Jul 2018 13:14
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Jul 06 23:16:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 06 23:15:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	328764	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	304046	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161253	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84096	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.58%
7) Chloroethane-d5	1.67	69	72245	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.14%
11) 1,1-Dichloroethene-d2	2.27	63	198245	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
21) 2-Butanone-d5	4.18	46	174006	105.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.92%
24) Chloroform-d	4.65	84	204934	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.31	65	139512	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
32) Benzene-d6	5.35	84	381843	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
36) 1,2-Dichloropropane-d6	6.33	67	123568	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.00%
41) Toluene-d8	7.57	98	377253	46.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.44%
43) trans-1,3-Dichloropropene-	7.85	79	62159	46.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.30%
47) 2-Hexanone-d5	8.31	63	125920	103.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.83%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	184865	49.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	165548	47.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	154408	51.691 ug/L	99
3) Chloromethane	1.33	50	121617	49.355 ug/L	100
5) Vinyl chloride	1.40	62	126720	49.699 ug/L	100
6) Bromomethane	1.62	94	69772	50.967 ug/L	98
8) Chloroethane	1.70	64	77910	50.696 ug/L	96
9) Trichlorofluoromethane	1.89	101	191496	51.429 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	114541	51.825 ug/L	99
12) 1,1-Dichloroethene	2.28	96	101532	50.349 ug/L	89
13) Acetone	2.32	43	202038	119.660 ug/L	98
14) Carbon disulfide	2.48	76	295077	48.460 ug/L	100
15) Methyl Acetate	2.62	43	137912	53.384 ug/L	99
16) Methylene chloride	2.70	84	128510	54.307 ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	110590	50.652 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	387235	50.970 ug/L	100
19) 1,1-Dichloroethane	3.45	63	211418	50.874 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	128132	50.814 ug/L	97
22) 2-Butanone	4.26	43	235988	118.146 ug/L	98

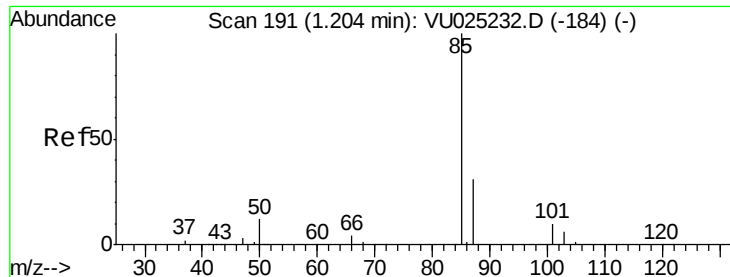
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070618\
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 QLast Update : Fri Jul 06 23:15:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	66646	51.411	ug/L	98
25) Chloroform	4.68	83	229588	51.743	ug/L	98
27) 1,2-Dichloroethane	5.41	62	192188	51.682	ug/L	99
29) Cyclohexane	5.00	56	194219	49.413	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	203352	50.074	ug/L	100
31) Carbon tetrachloride	5.14	117	183140	51.599	ug/L	100
33) Benzene	5.39	78	457476	49.612	ug/L	100
34) Trichloroethene	6.19	95	126054	51.390	ug/L	98
35) Methylcyclohexane	6.42	83	208901	51.035	ug/L	99
37) 1,2-Dichloropropane	6.44	63	126387	51.326	ug/L	100
38) Bromodichloromethane	6.76	83	169021	51.642	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	194780	49.946	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	385436	108.647	ug/L	100
42) Toluene	7.64	91	514186	51.309	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	184352	50.815	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	121929	51.890	ug/L	98
46) Tetrachloroethene	8.23	164	104978	50.559	ug/L	97
48) 2-Hexanone	8.36	43	321509	113.918	ug/L	99
49) Dibromochloromethane	8.48	129	143583	52.072	ug/L	99
50) 1,2-Dibromoethane	8.59	107	132059	50.810	ug/L	100
51) Chlorobenzene	9.12	112	342948	51.347	ug/L	100
52) Ethylbenzene	9.25	91	581829	51.621	ug/L	99
53) m,p-Xylene	9.38	106	226949	52.032	ug/L	97
54) o-xylene	9.78	106	227718	52.050	ug/L	100
55) Styrene	9.80	104	375738	52.398	ug/L	98
56) Isopropylbenzene	10.17	105	603840	52.548	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	207012	52.794	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	171869	53.836	ug/L	99
61) Bromoform	9.96	173	108298	51.157	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	273336	50.596	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	273930	50.408	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	284111	49.822	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	49949	52.934	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	208345	51.947	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	171396	51.116	ug/L	98
69) Naphthalene	13.75	128	551298	49.447	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	181525	50.405	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 51.691 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

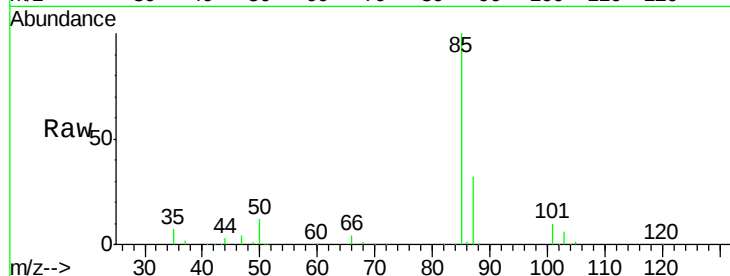
VSTD05048

Tgt Ion: 85 Resp: 154408

Ion Ratio Lower Upper

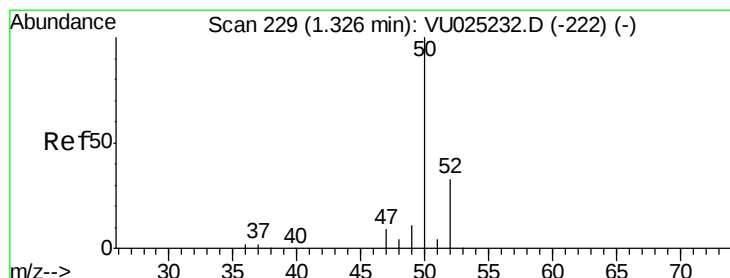
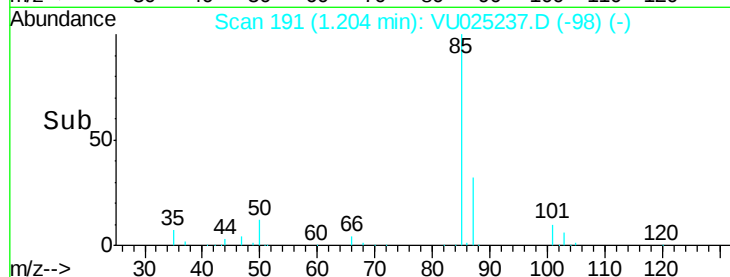
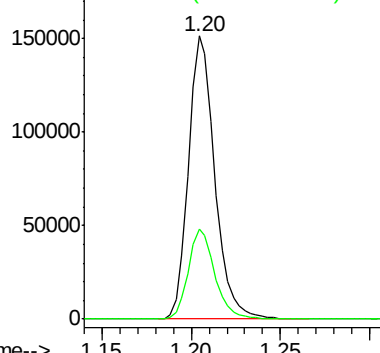
85 100

87 31.9 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: 49.355 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025237.D

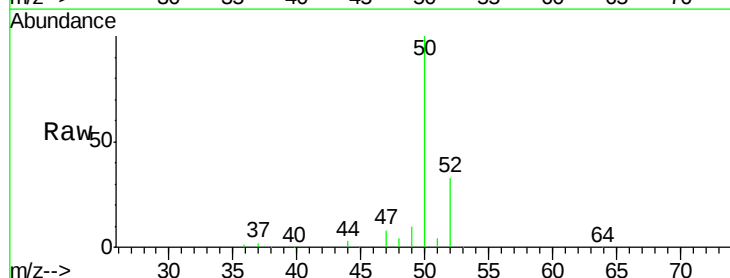
Acq: 06 Jul 2018 13:14

Tgt Ion: 50 Resp: 121617

Ion Ratio Lower Upper

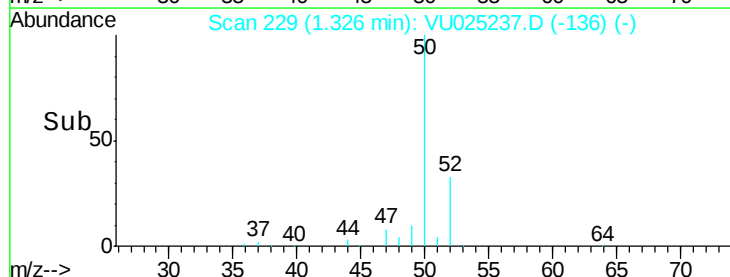
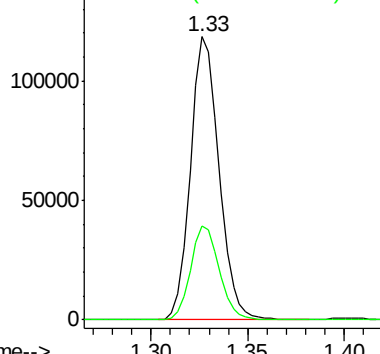
50 100

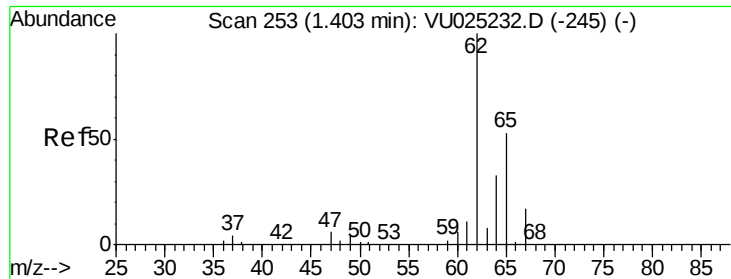
52 33.2 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.699 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

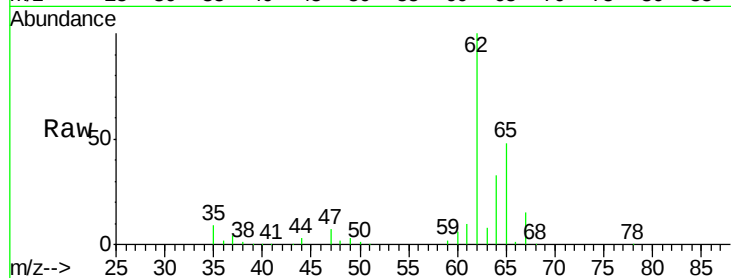
VSTD05048

Tgt Ion: 62 Resp: 126720

Ion Ratio Lower Upper

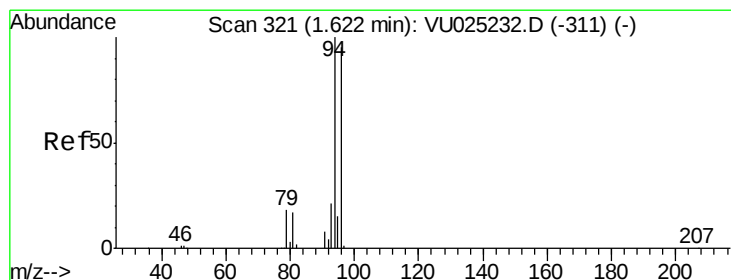
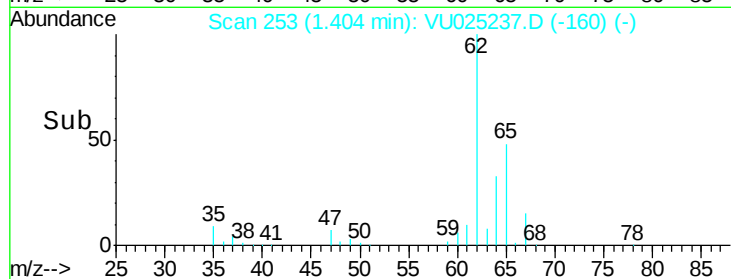
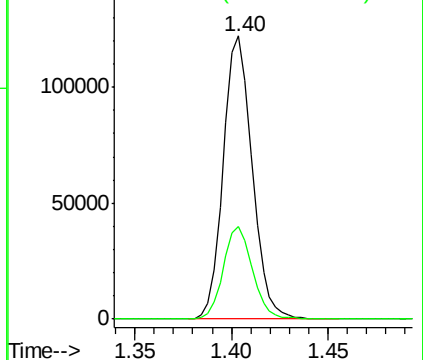
62 100

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: 50.967 ug/L

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025237.D

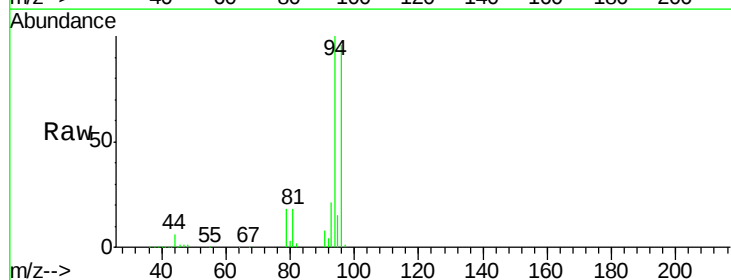
Acq: 06 Jul 2018 13:14

Tgt Ion: 94 Resp: 69772

Ion Ratio Lower Upper

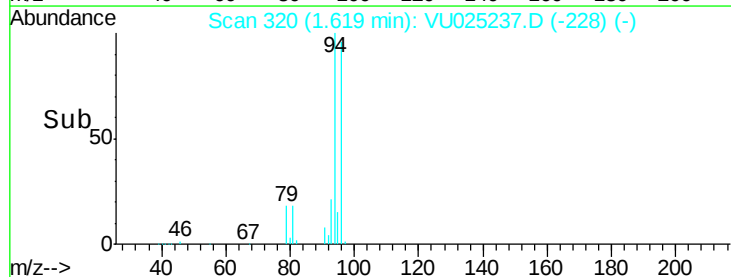
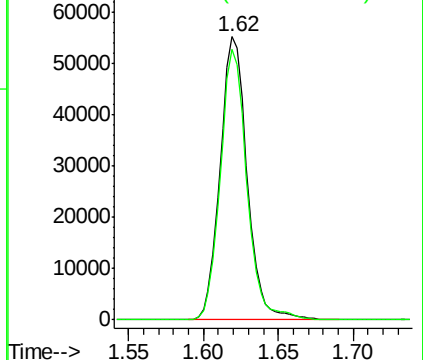
94 100

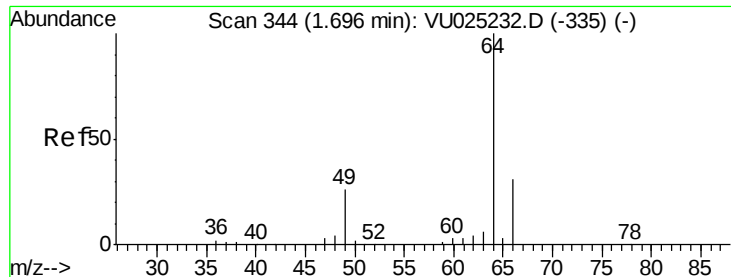
96 95.7 68.4 127.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 50.696 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

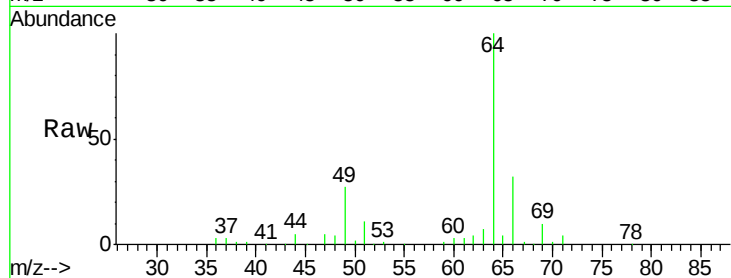
VSTD05048

Tgt Ion: 64 Resp: 77910

Ion Ratio Lower Upper

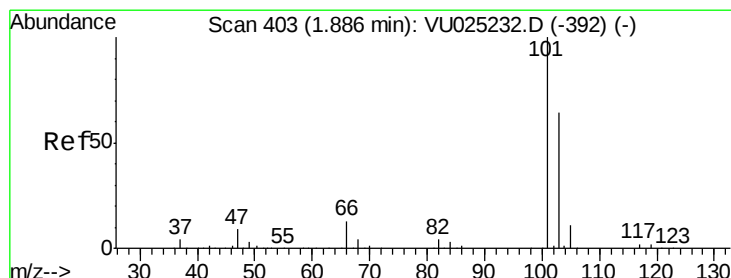
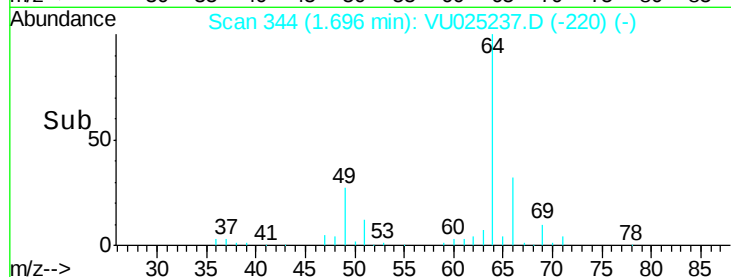
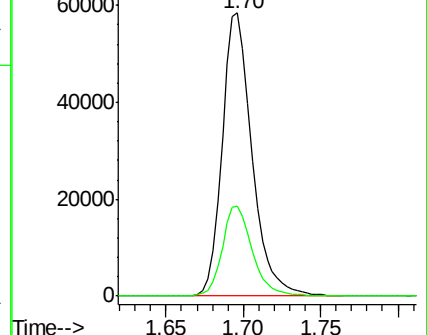
64 100

66 31.9 23.8 44.2



Abundance Ion 64.00 (63.70 to 64.70): VU025232.D (-335) (-)

Ion 66.00 (65.70 to 66.70): VU025237.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 51.429 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025237.D

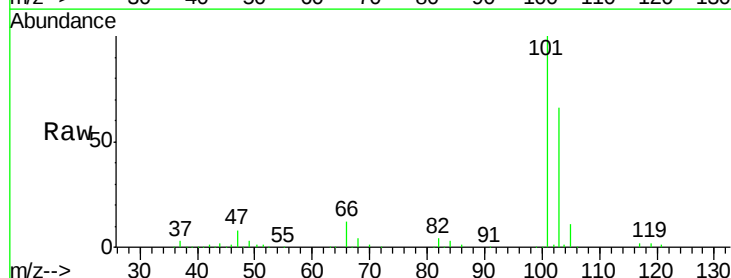
Acq: 06 Jul 2018 13:14

Tgt Ion: 101 Resp: 191496

Ion Ratio Lower Upper

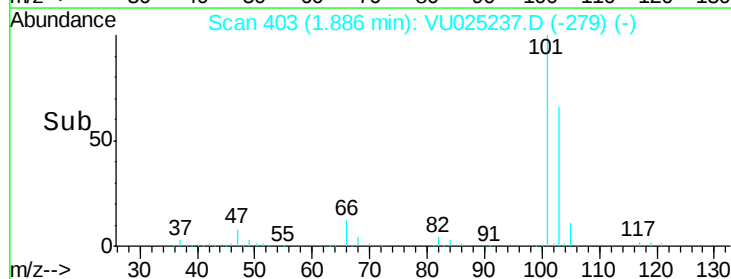
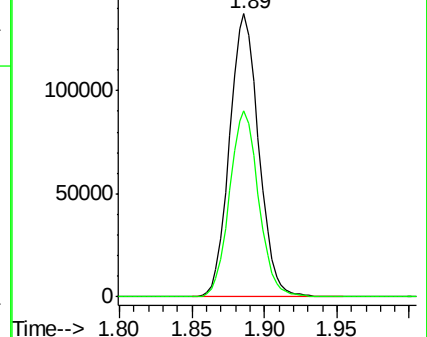
101 100

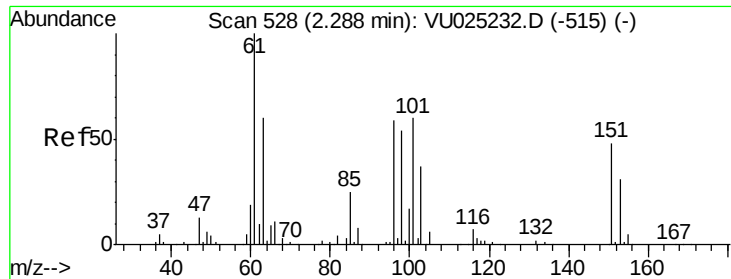
103 65.5 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU025232.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU025237.D (-279) (-)





#10

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

Concen: 51.825 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

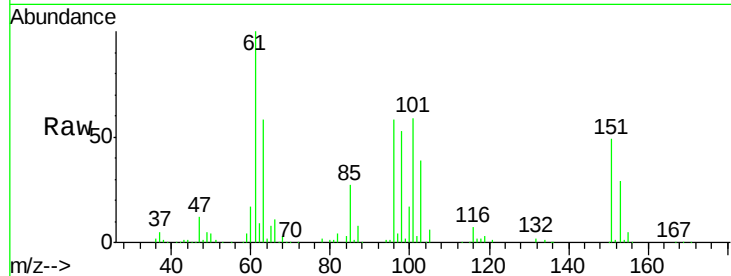
Tgt Ion: 101 Resp: 114541

Ion Ratio Lower Upper

101 100

85 45.3 35.8 53.6

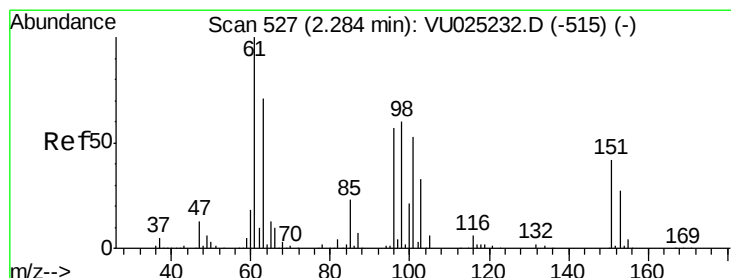
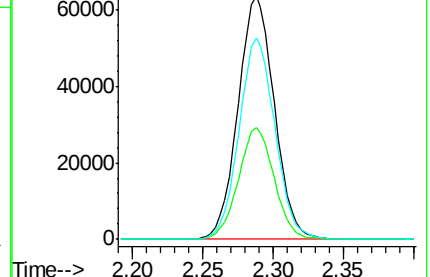
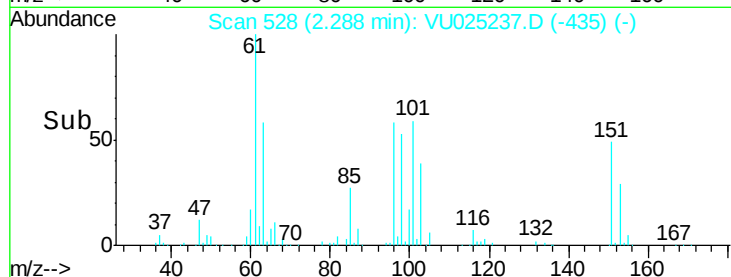
151 82.1 64.6 96.8



Abundance Ion 101.00 (100.70 to 101.70): VU025237.D (-435) (-)

Ion 85.00 (84.70 to 85.70): VU025237.D (-435) (-)

Ion 151.00 (150.70 to 151.70): VU025237.D (-435) (-)



#12

1,1-Dichloroethene

Concen: 50.349 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

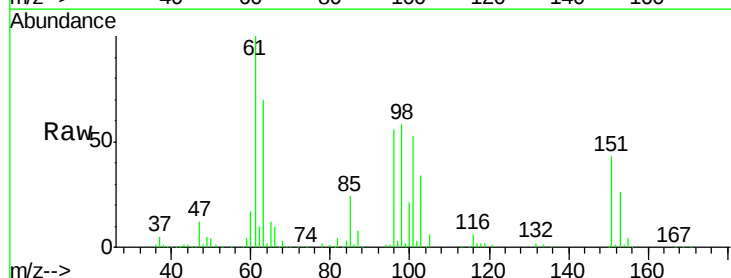
Tgt Ion: 96 Resp: 101532

Ion Ratio Lower Upper

96 100

61 177.7 128.1 237.9

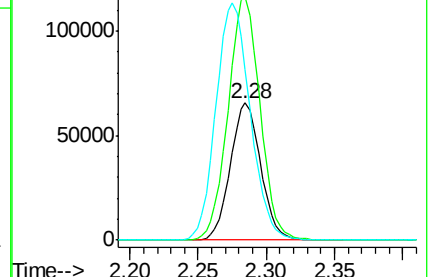
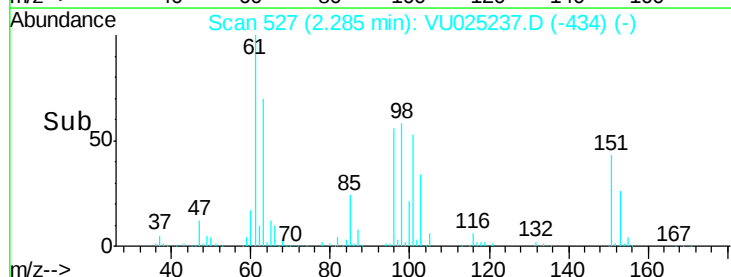
63 124.1 103.6 192.4

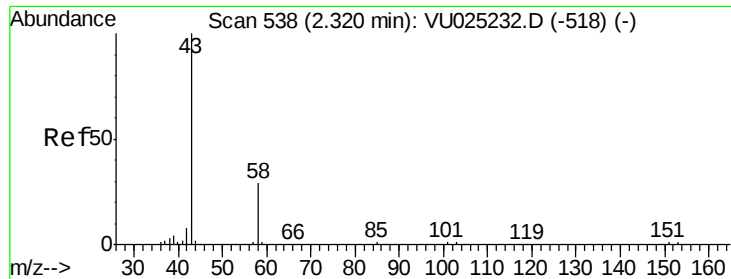


Abundance Ion 96.00 (95.70 to 96.70): VU025237.D (-434) (-)

Ion 61.00 (60.70 to 61.70): VU025237.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU025237.D (-434) (-)





#13

Acetone

Concen: 119.660 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

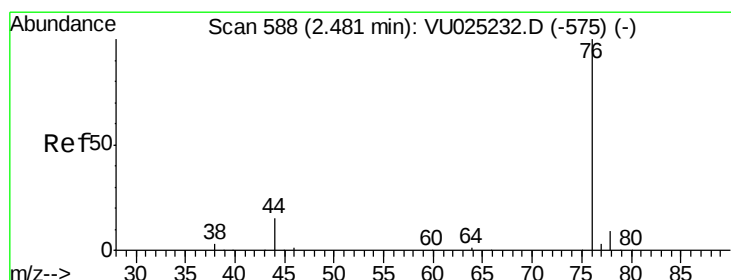
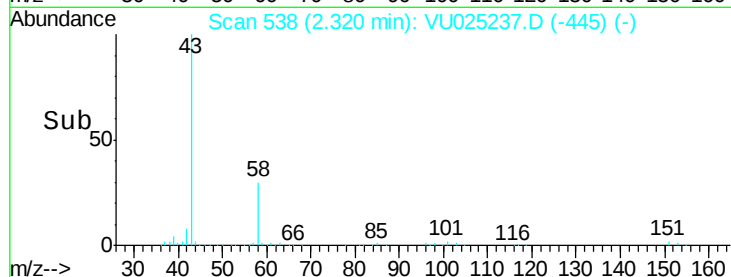
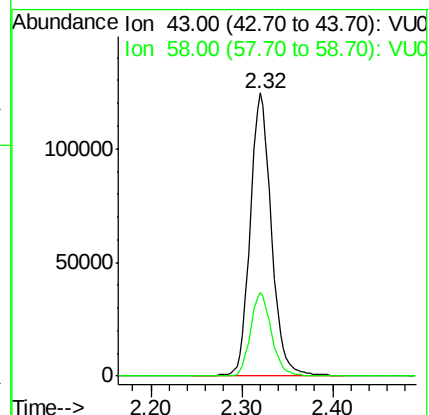
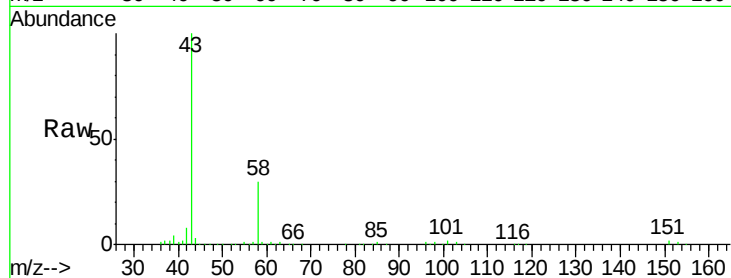
VSTD05048

Tgt Ion: 43 Resp: 202038

Ion Ratio Lower Upper

43 100

58 28.7 0.0 59.4



#14

Carbon disulfide

Concen: 48.460 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025237.D

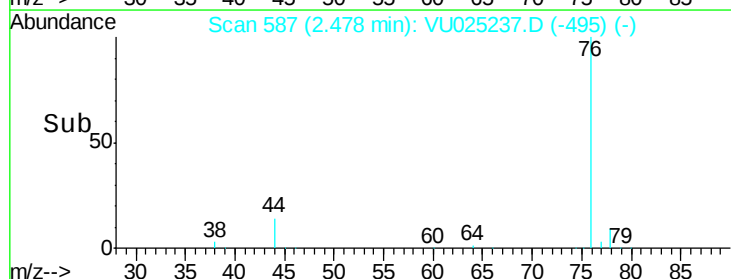
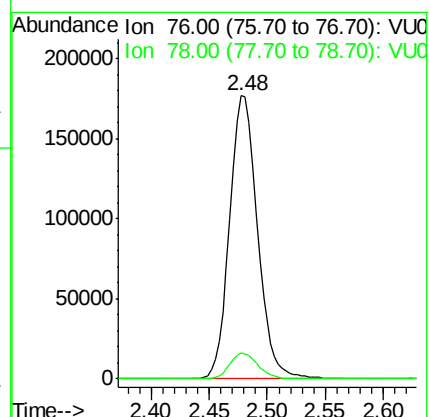
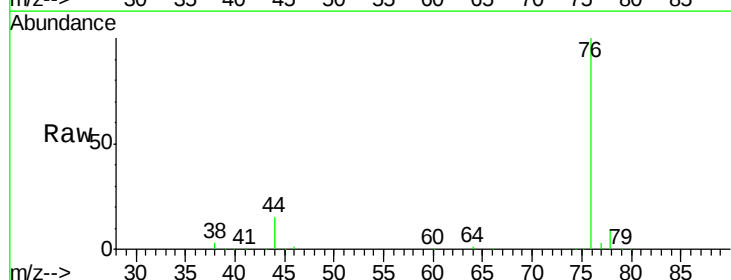
Acq: 06 Jul 2018 13:14

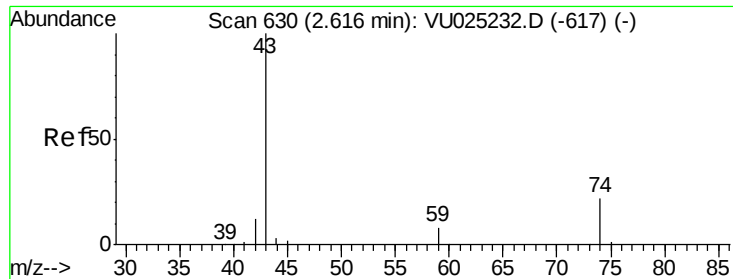
Tgt Ion: 76 Resp: 295077

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

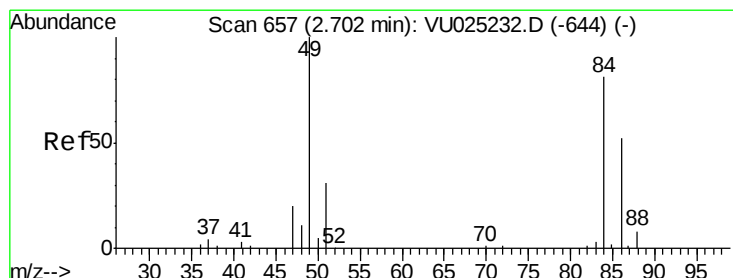
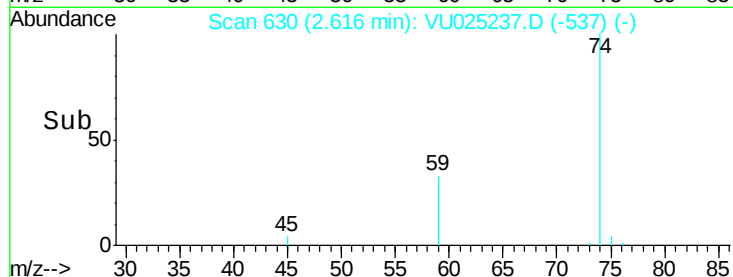
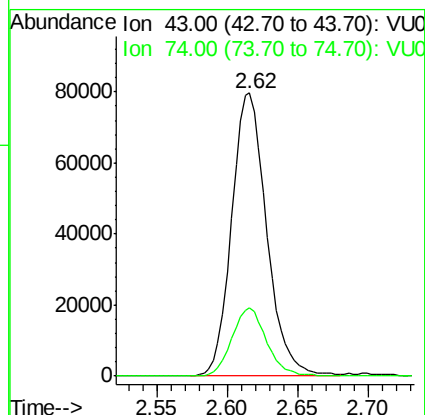
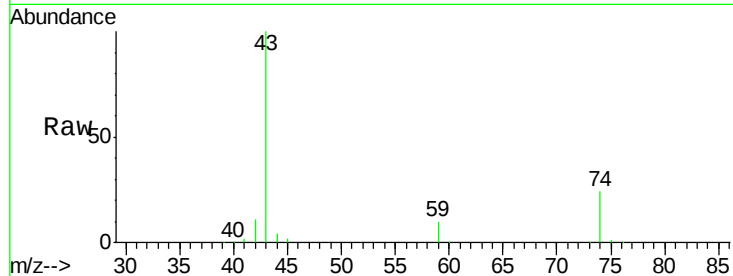




#15
Methyl Acetate
Concen: 53.384 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

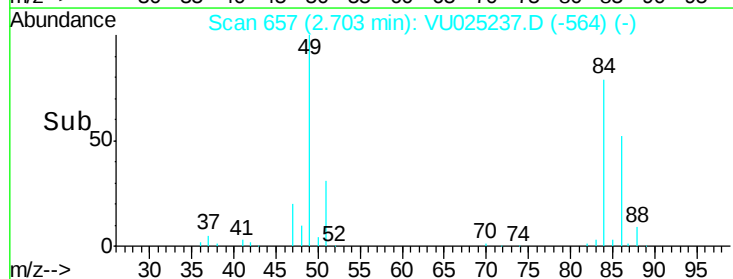
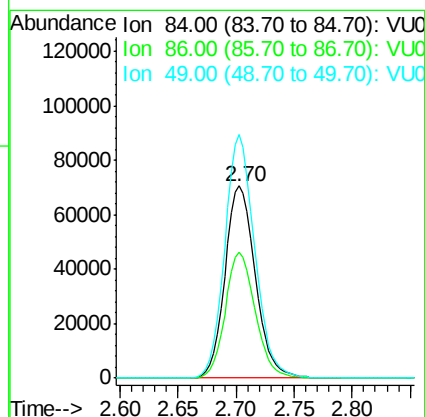
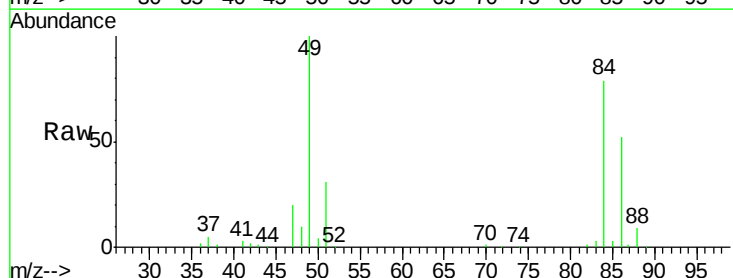
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

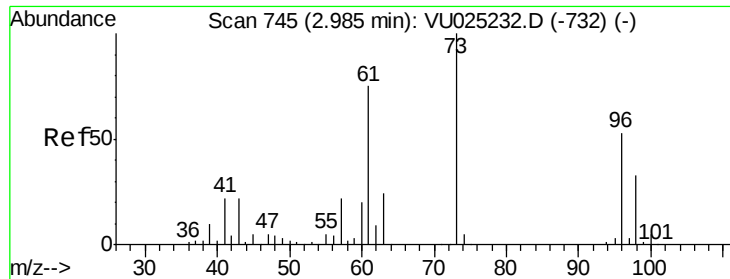
Tgt Ion: 43 Resp: 137912
Ion Ratio Lower Upper
43 100
74 23.8 18.6 28.0



#16
Methylene chloride
Concen: 54.307 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

Tgt Ion: 84 Resp: 128510
Ion Ratio Lower Upper
84 100
86 65.5 44.9 83.5
49 126.6 85.6 159.0

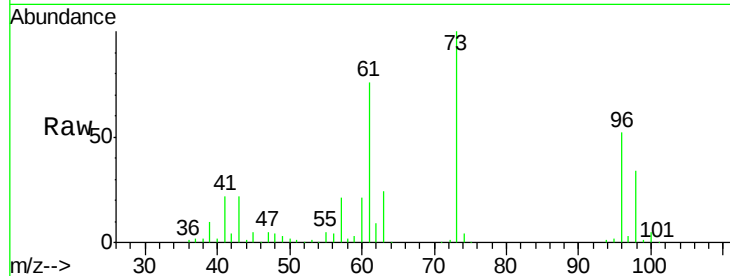




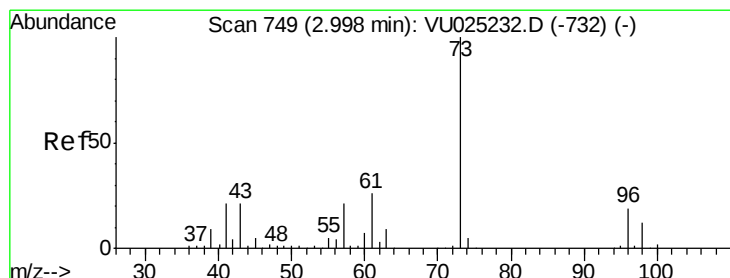
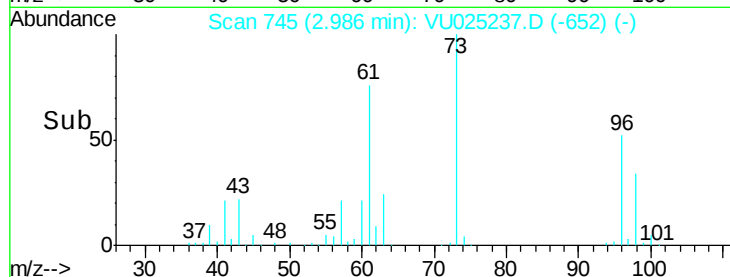
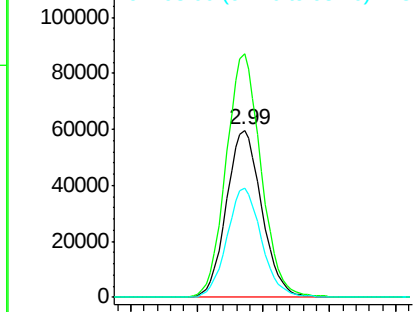
#17
trans-1,2-Dichloroethene
Concen: 50.652 ug/L
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion: 96 Resp: 110590
Ion Ratio Lower Upper
96 100
61 145.5 102.7 190.7
98 65.0 44.4 82.5

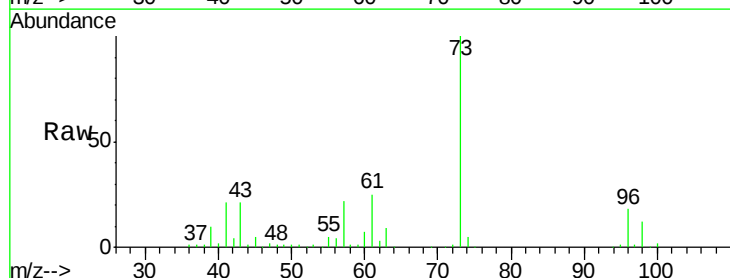


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

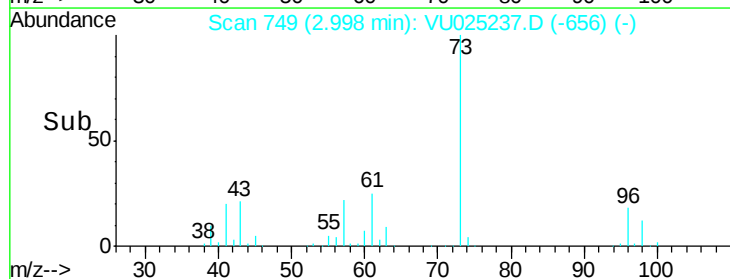
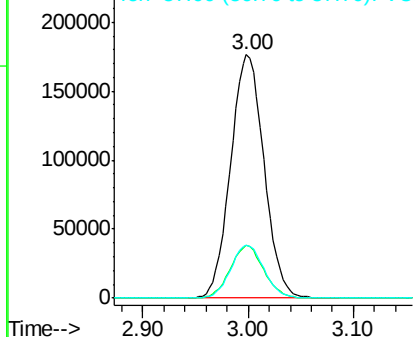


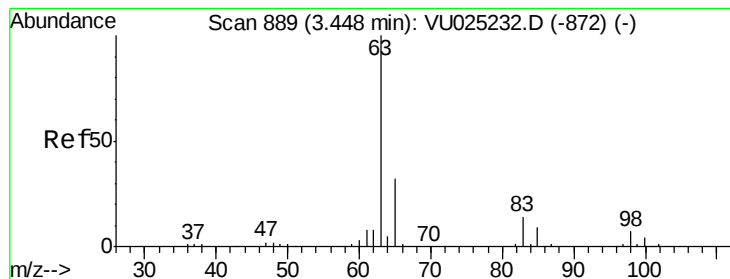
#18
Methyl tert-butyl Ether
Concen: 50.970 ug/L
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

Tgt Ion: 73 Resp: 387235
Ion Ratio Lower Upper
73 100
43 21.6 17.2 25.8
57 21.6 17.2 25.8



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: 50.874 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

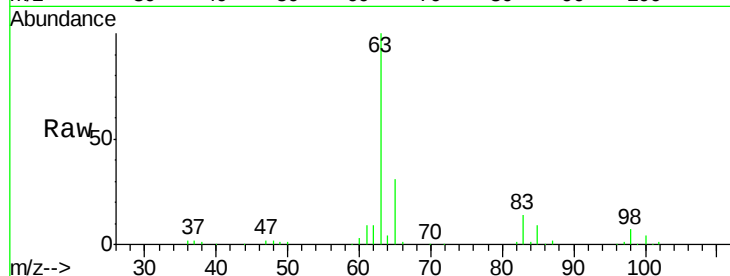
Tgt Ion: 63 Resp: 211418

Ion Ratio Lower Upper

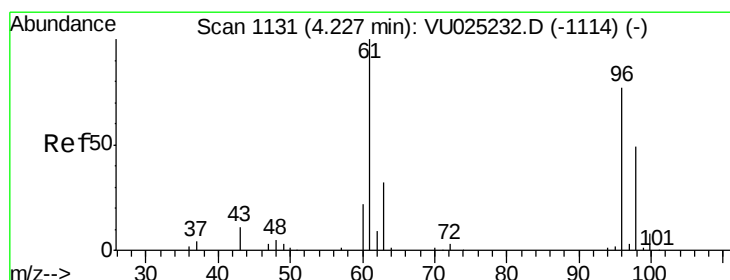
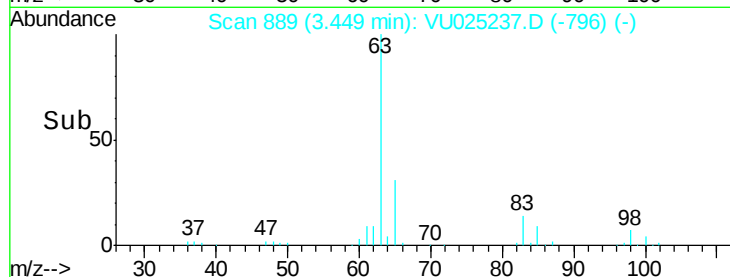
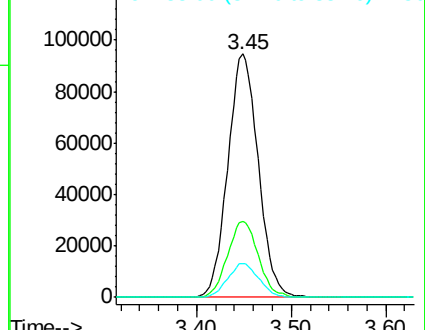
63 100

65 31.1 21.9 40.7

83 14.1 9.7 18.1



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: 50.814 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

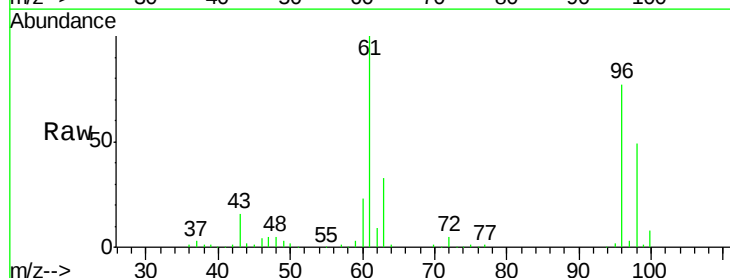
Tgt Ion: 96 Resp: 128132

Ion Ratio Lower Upper

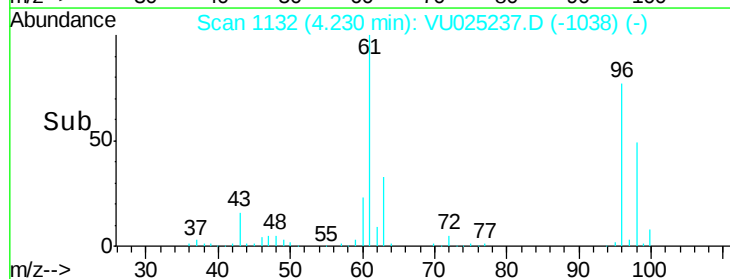
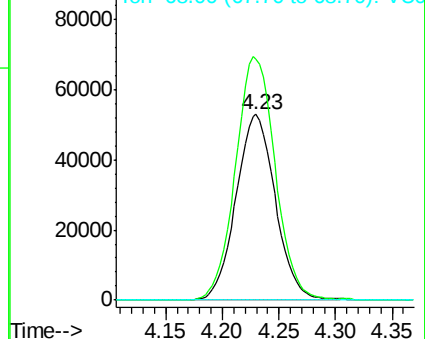
96 100

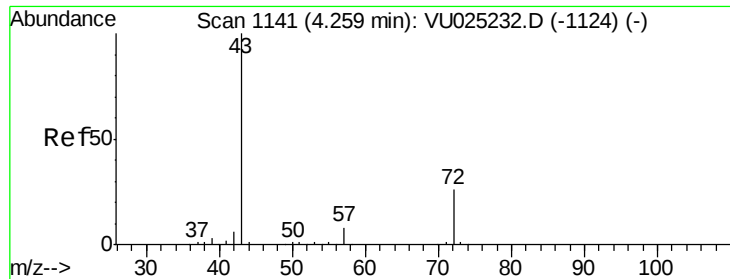
61 130.0 93.4 173.6

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: 118.146 ug/L

RT: 4.26 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

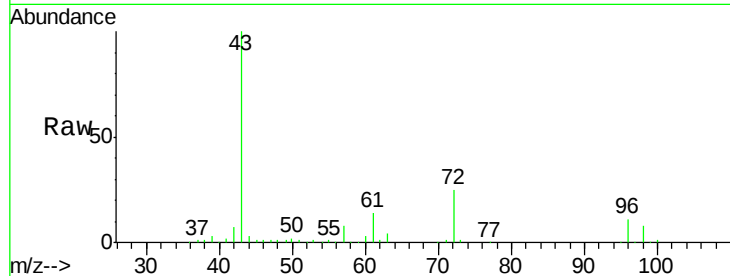
VSTD05048

Tgt Ion: 43 Resp: 235988

Ion Ratio Lower Upper

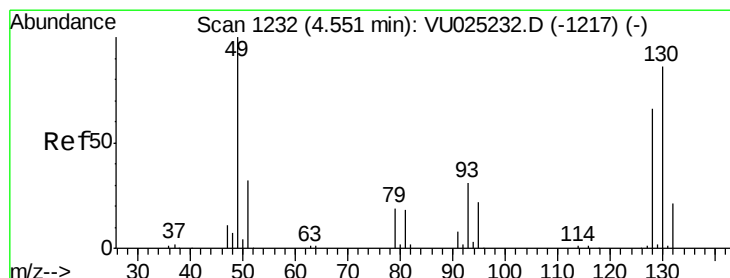
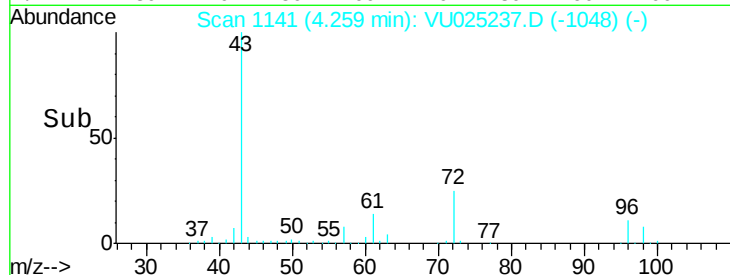
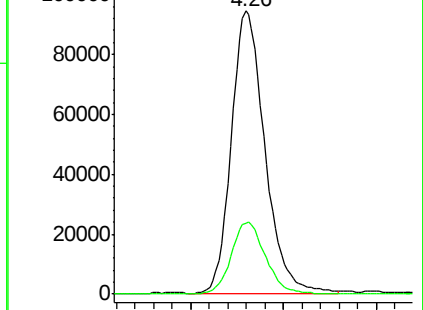
43 100

72 26.2 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VU025237.D (-1048) (-)

Ion 72.00 (71.70 to 72.70): VU025237.D (-1048) (-)



#23

Bromochloromethane

Concen: 51.411 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Tgt Ion: 128 Resp: 66646

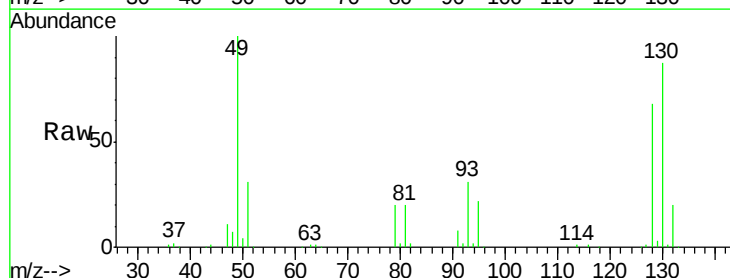
Ion Ratio Lower Upper

128 100

49 147.5 106.1 197.1

130 127.7 87.7 162.9

51 46.3 36.8 55.2

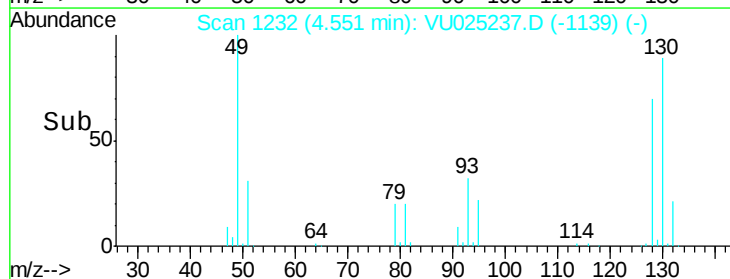
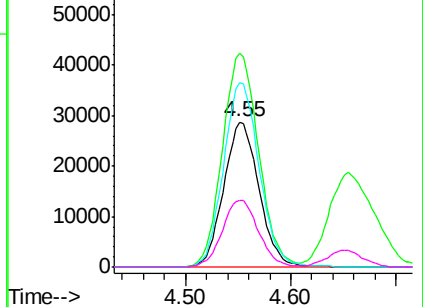


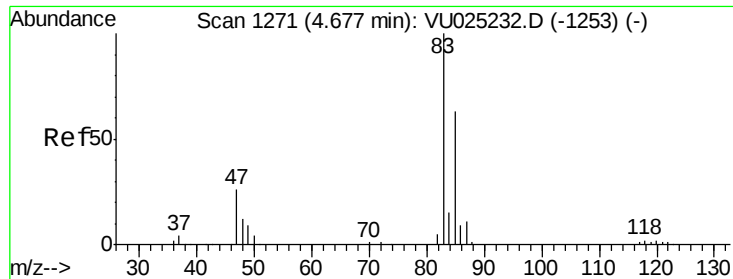
Abundance Ion 128.00 (127.70 to 128.70): VU025237.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU025237.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU025237.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU025237.D (-1139) (-)

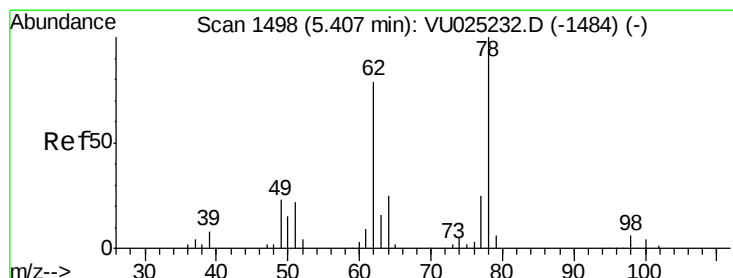
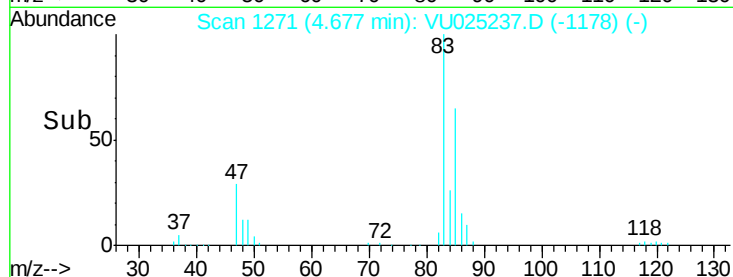
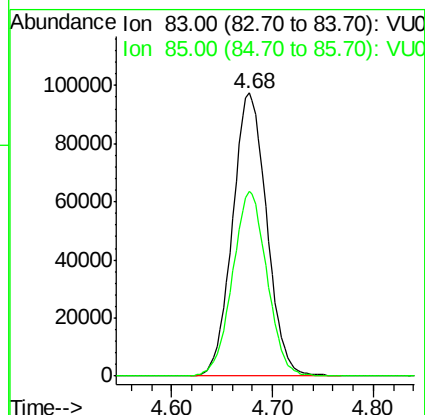
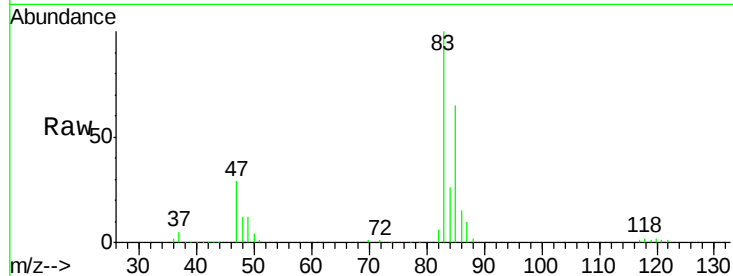




#25
Chloroform
Concen: 51.743 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

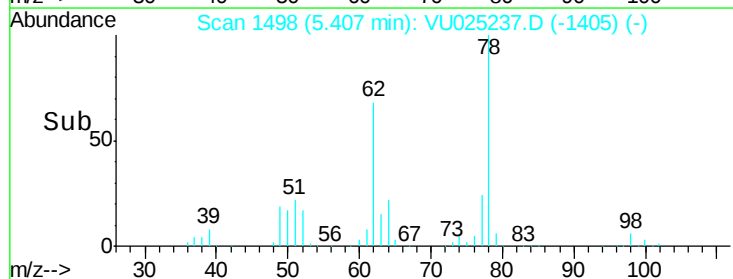
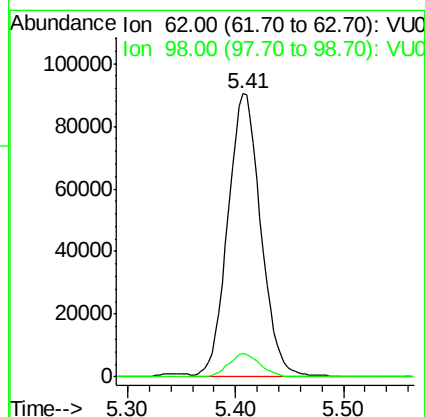
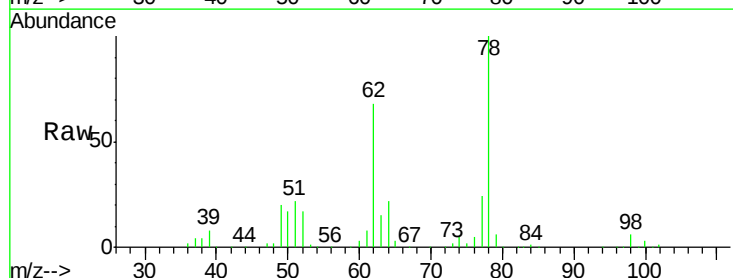
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

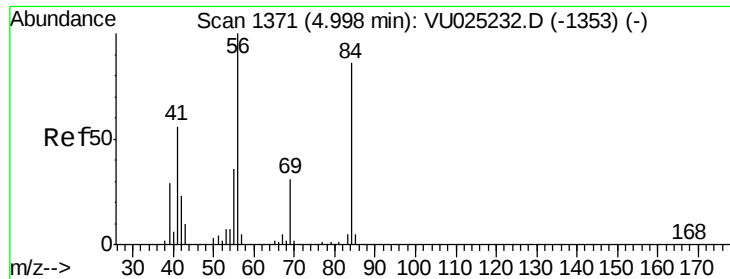
Tgt Ion: 83 Resp: 229588
Ion Ratio Lower Upper
83 100
85 65.1 44.7 83.1



#27
1,2-Dichloroethane
Concen: 51.682 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

Tgt Ion: 62 Resp: 192188
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6

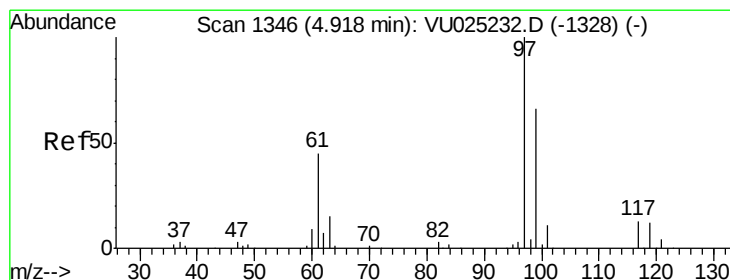
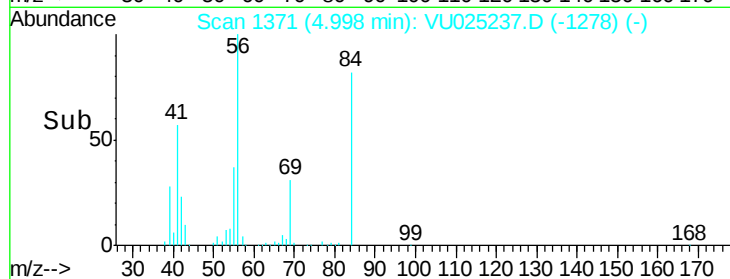
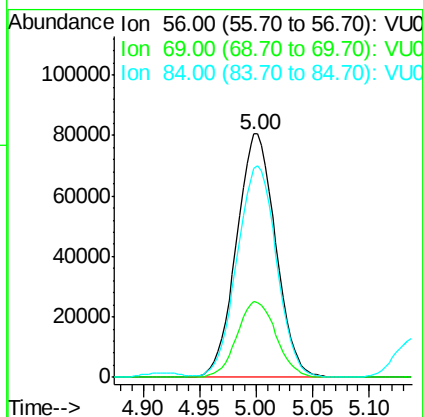
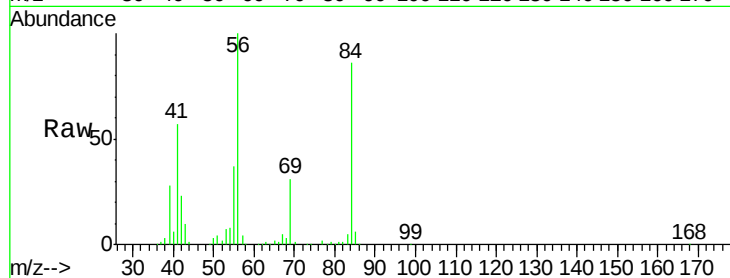




#29
Cyclohexane
Concen: 49.413 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

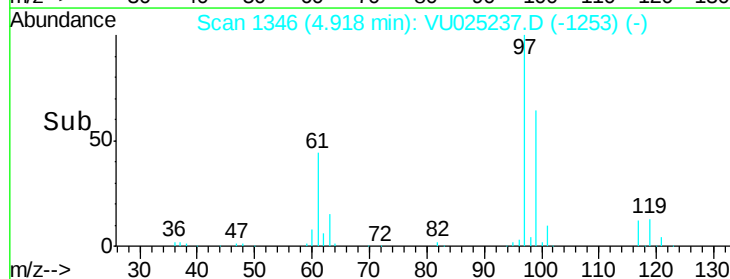
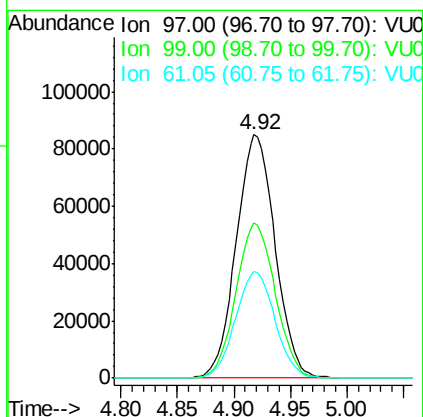
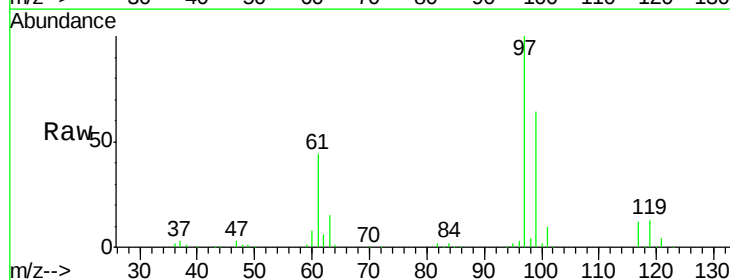
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

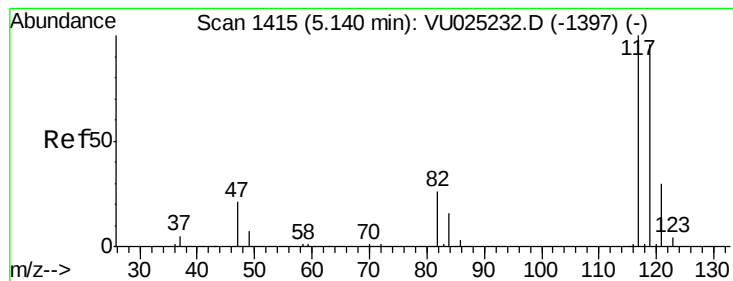
Tgt Ion: 56 Resp: 194219
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 87.8 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 50.074 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

Tgt Ion: 97 Resp: 203352
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.2
61 44.3 35.5 53.3





#31

Carbon tetrachloride

Concen: 51.599 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

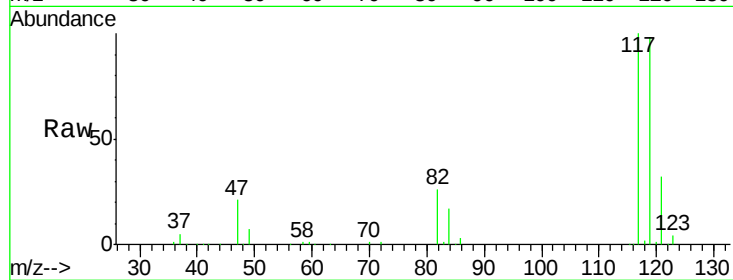
VSTD05048

Tgt Ion:117 Resp: 183140

Ion Ratio Lower Upper

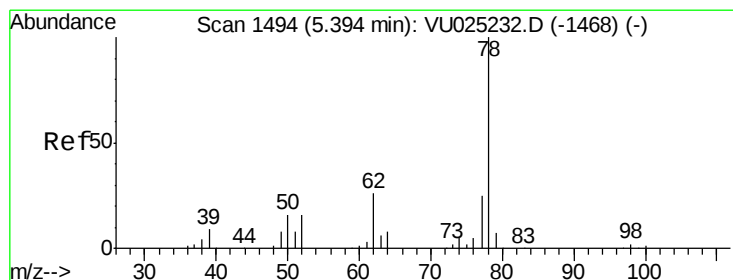
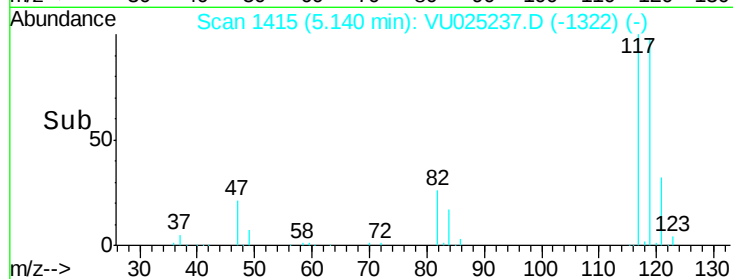
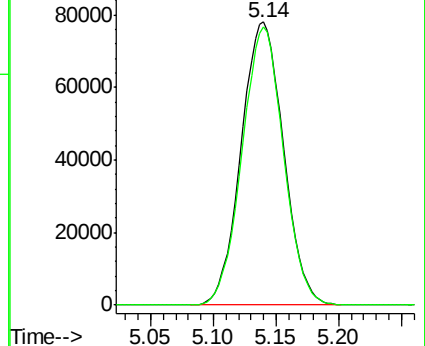
117 100

119 96.2 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.612 ug/L

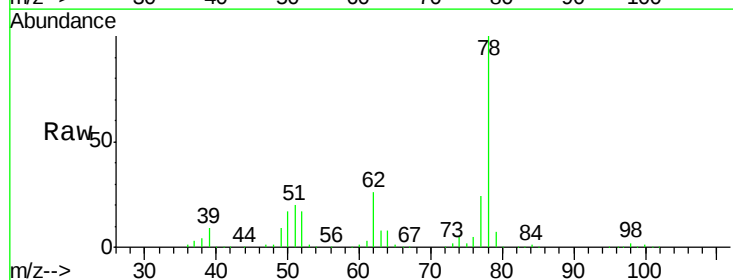
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Tgt Ion: 78 Resp: 457476



Abundance Ion 78.00 (77.70 to 78.70): VU0

250000

200000

150000

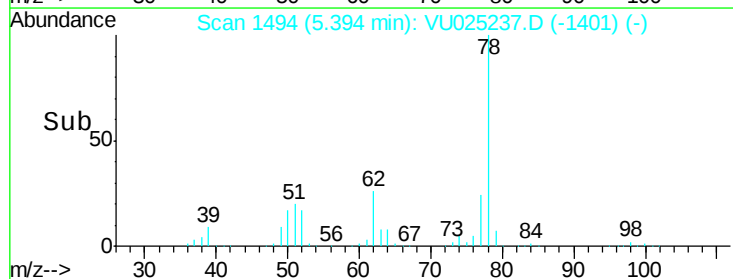
100000

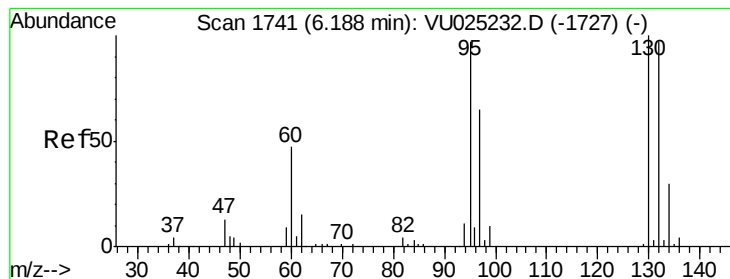
50000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 51.390 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 95 Resp: 126054

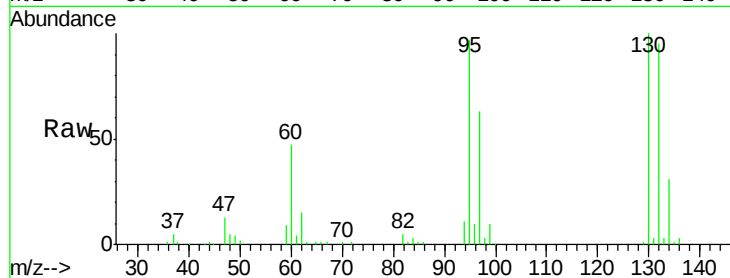
Ion Ratio Lower Upper

95 100

97 64.3 44.1 81.9

132 97.5 70.2 130.4

130 102.8 71.7 133.1

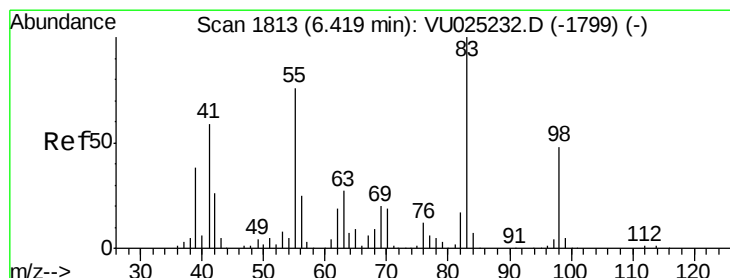
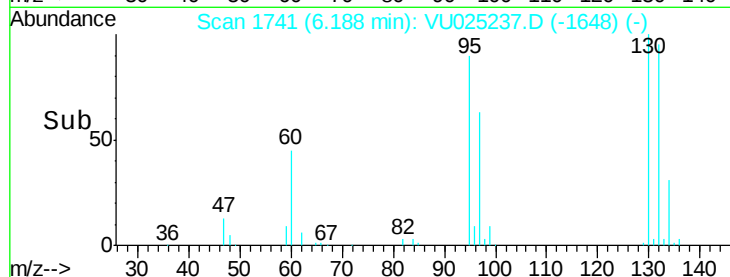
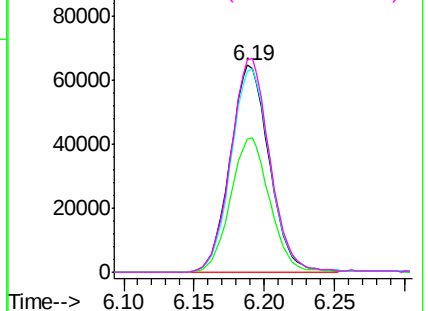


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.035 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

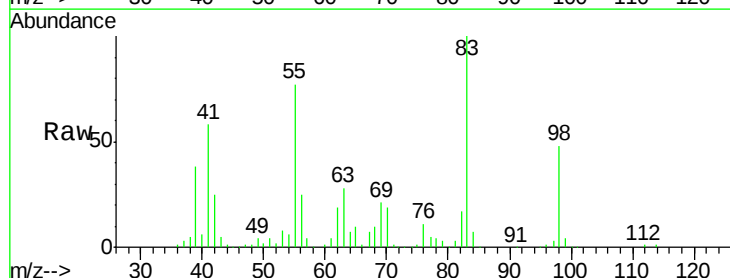
Tgt Ion: 83 Resp: 208901

Ion Ratio Lower Upper

83 100

55 77.1 61.8 92.6

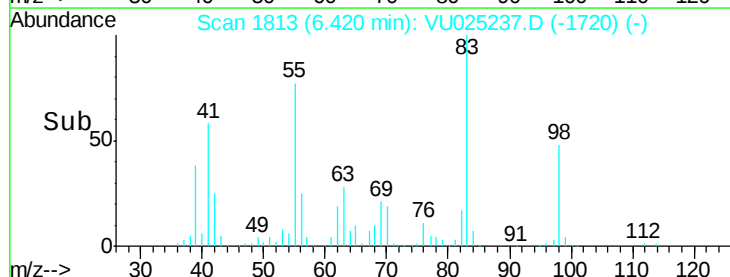
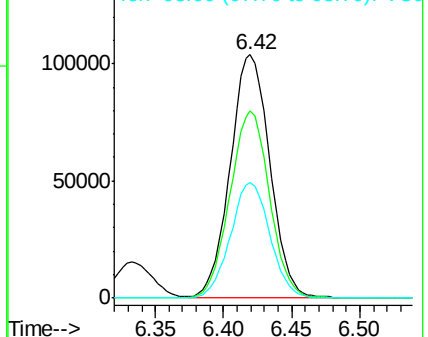
98 47.5 37.4 56.0

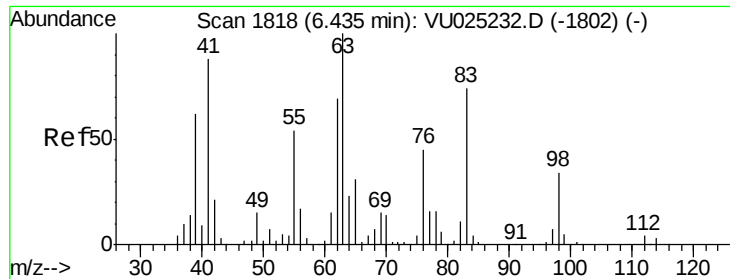


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

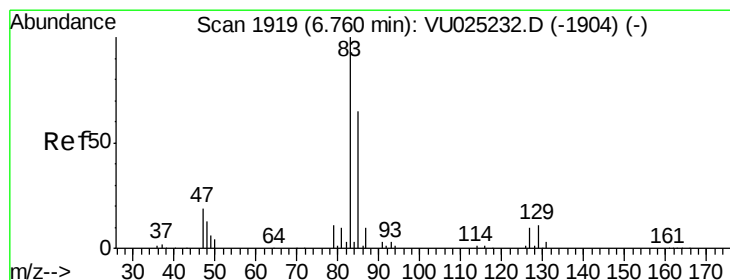
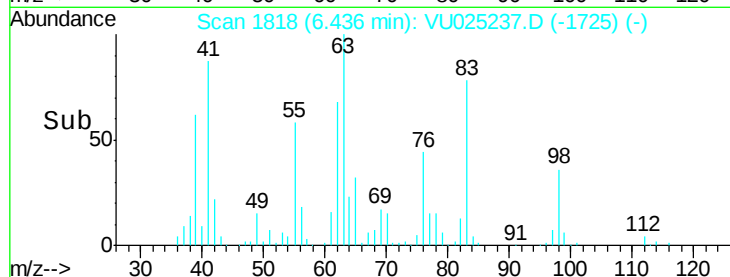
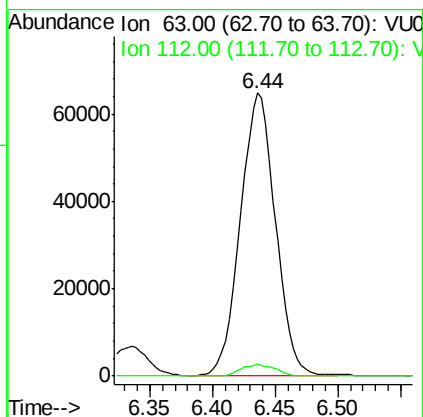
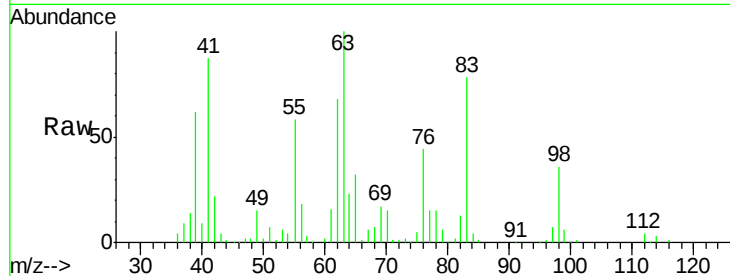




#37
 1,2-Dichloropropane
 Concen: 51.326 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

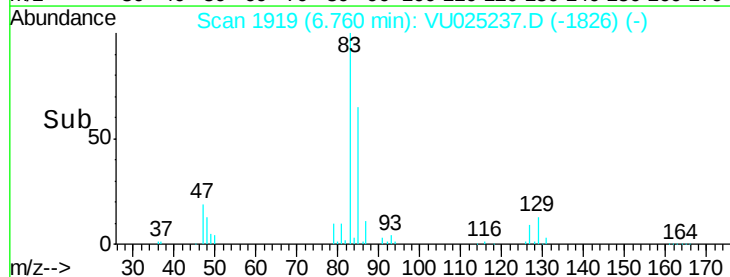
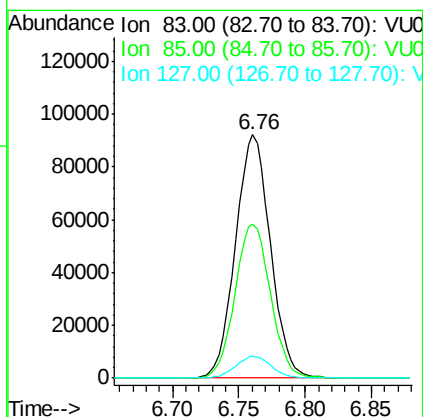
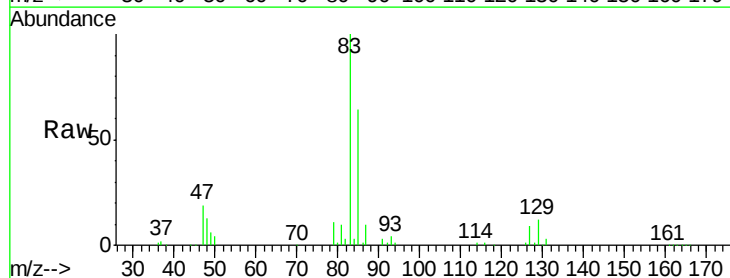
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

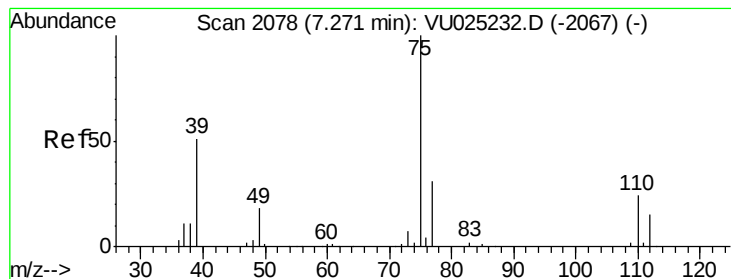
Tgt Ion: 63 Resp: 126387
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 51.642 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

Tgt Ion: 83 Resp: 169021
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.9 85.3
 127 8.9 7.7 11.5



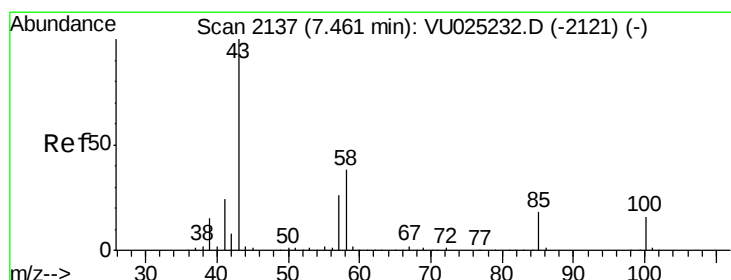
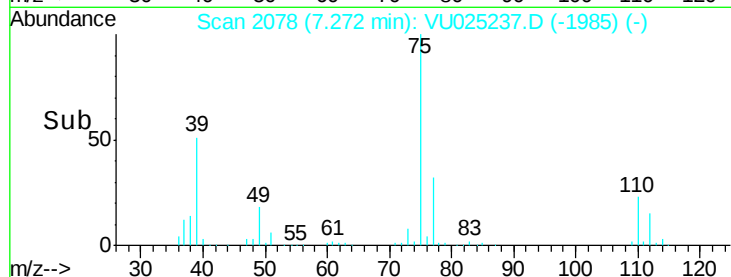
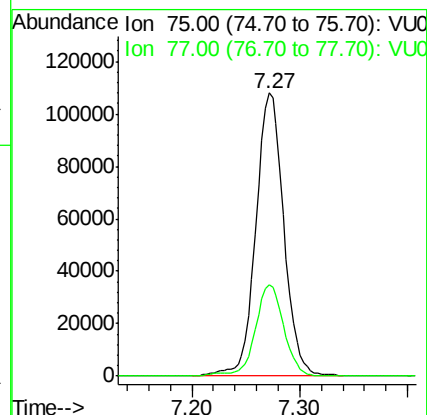
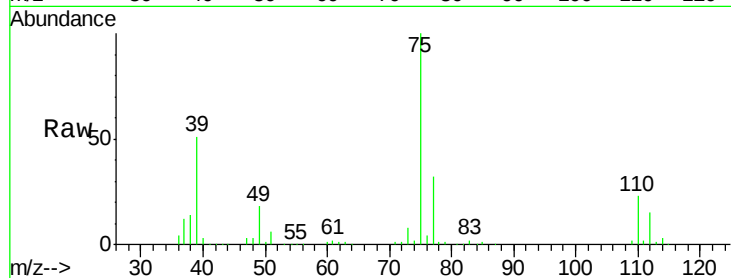


#39

cis-1,3-Dichloropropene
 Concen: 49.946 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

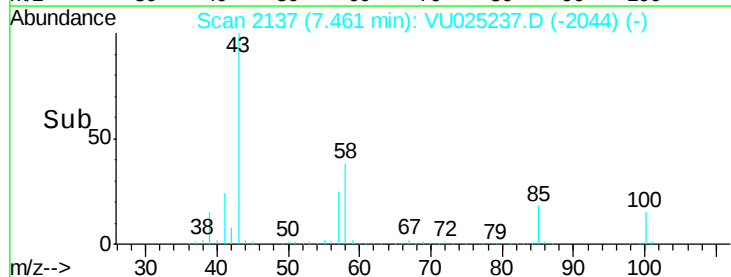
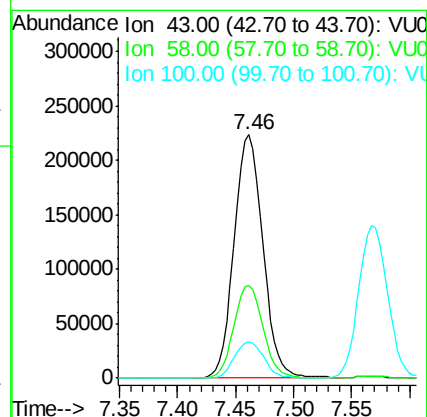
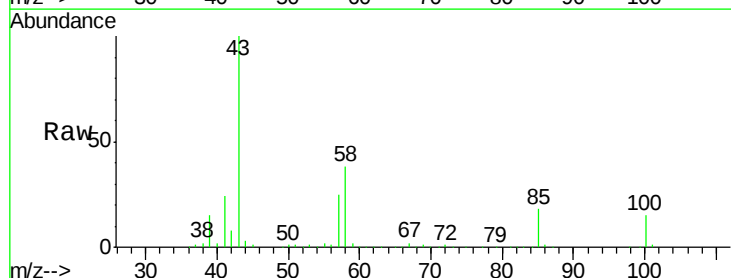
Tgt Ion: 75 Resp: 194780
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.3 39.5

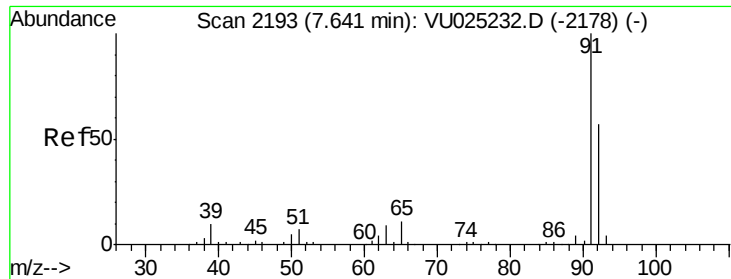


#40

4-Methyl-2-pentanone
 Concen: 108.647 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

Tgt Ion: 43 Resp: 385436
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.0 46.6
 100 15.3 12.3 18.5





#42

Toluene

Concen: 51.309 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

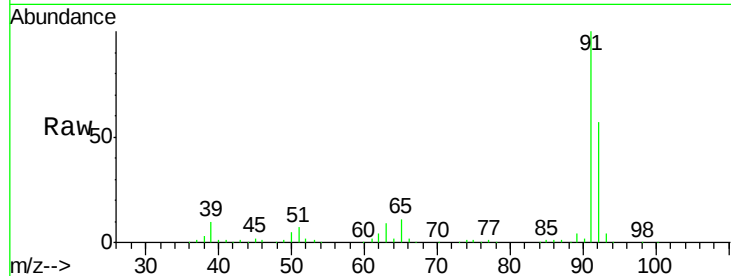
VSTD05048

Tgt Ion: 91 Resp: 514186

Ion Ratio Lower Upper

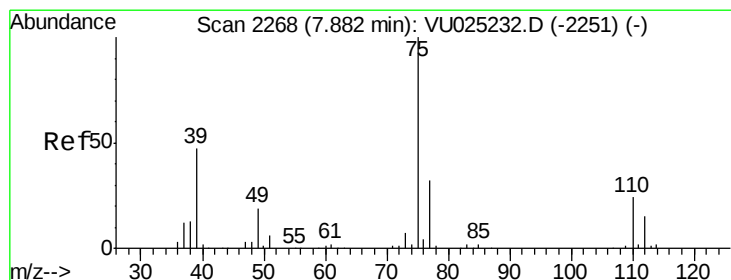
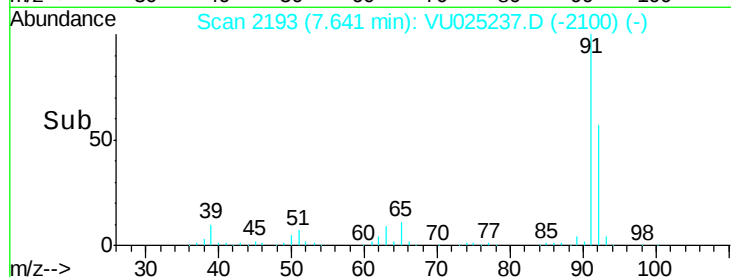
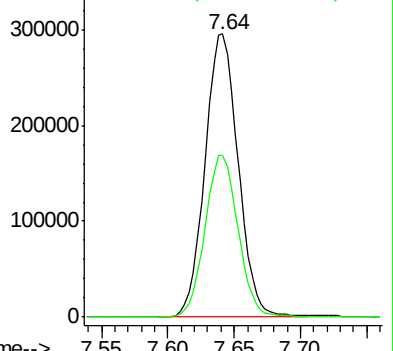
91 100

92 57.3 40.7 75.5



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: 50.815 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025237.D

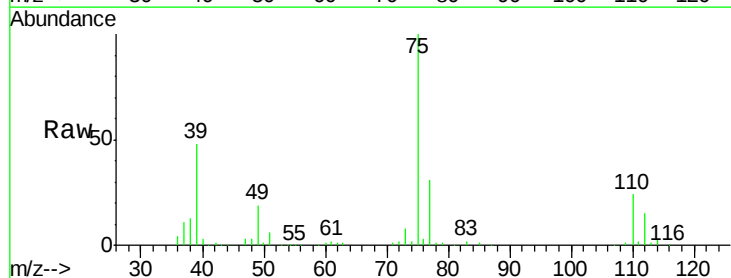
Acq: 06 Jul 2018 13:14

Tgt Ion: 75 Resp: 184352

Ion Ratio Lower Upper

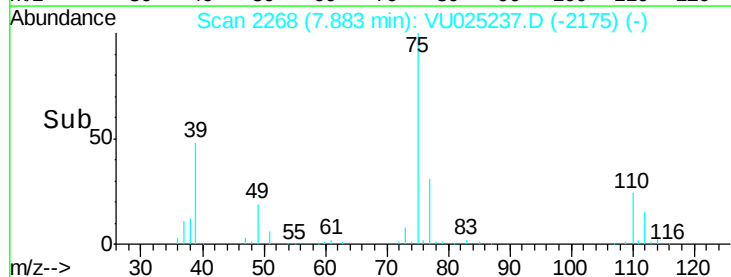
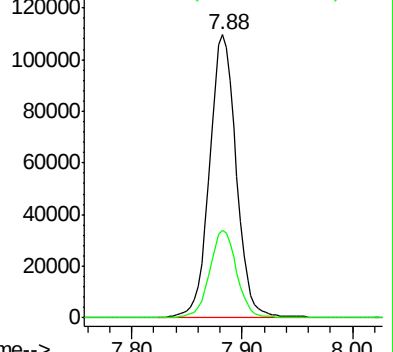
75 100

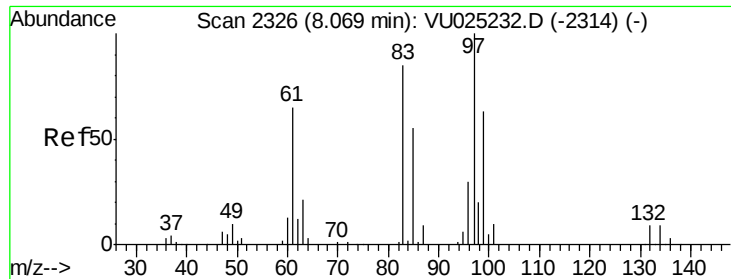
77 31.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

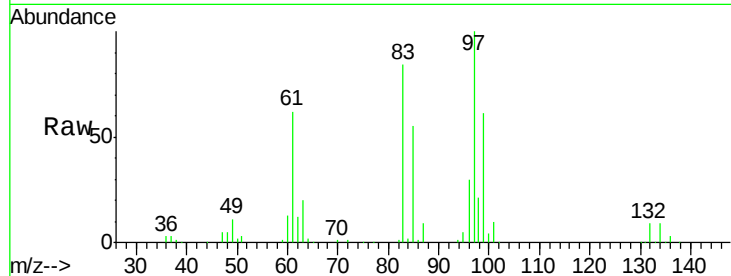




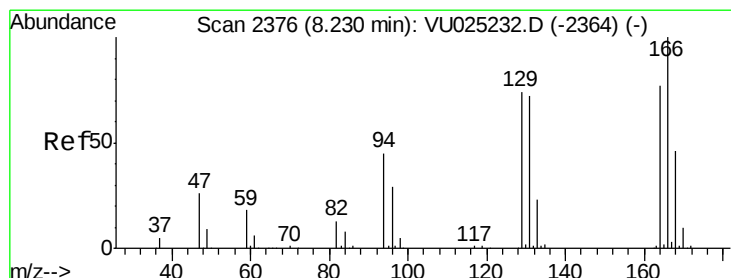
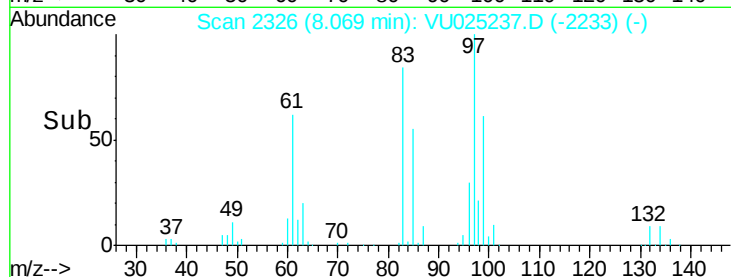
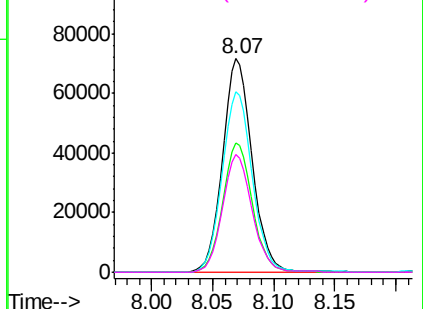
#45
 1,1,2-Trichloroethane
 Concen: 51.890 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05048

Tgt Ion:	97	Resp:	121929
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.1	81.9
83	84.3	58.7	108.9
85	54.9	39.0	72.4

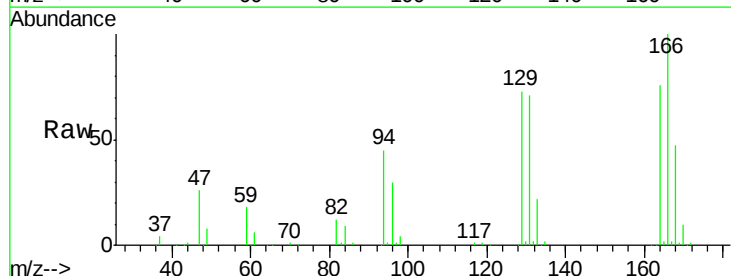


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

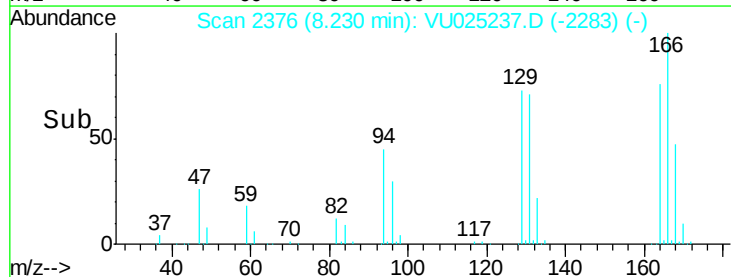
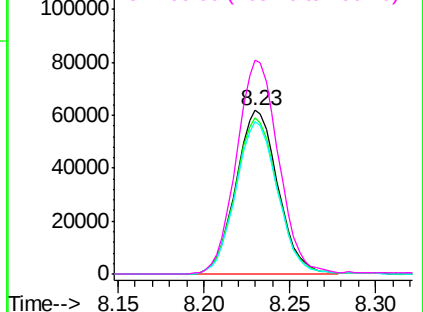


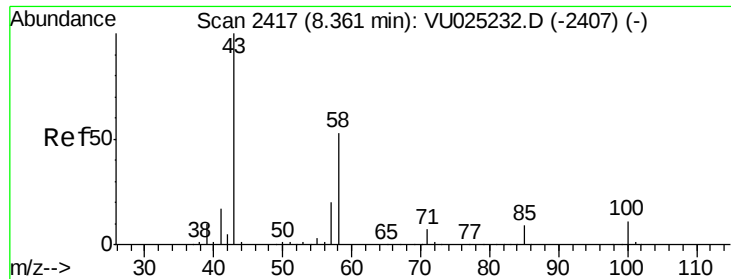
#46
 Tetrachloroethene
 Concen: 50.559 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

Tgt Ion:	164	Resp:	104978
Ion	Ratio	Lower	Upper
164	100		
129	95.4	66.1	122.8
131	93.2	62.7	116.5
166	130.7	88.8	165.0



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

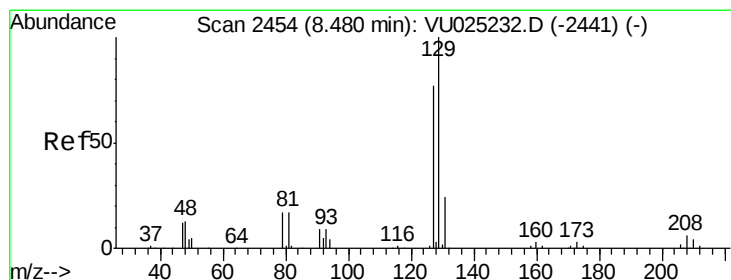
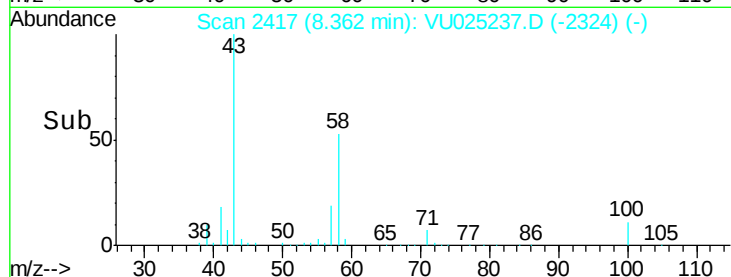
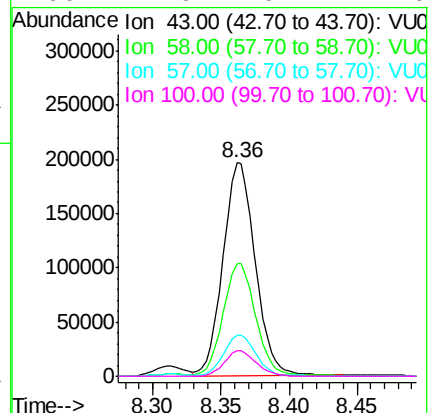
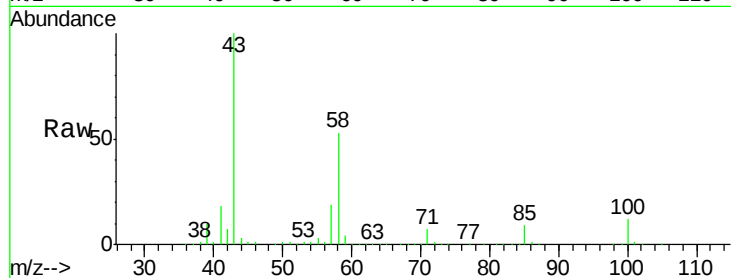




#48
2-Hexanone
Concen: 113.918 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

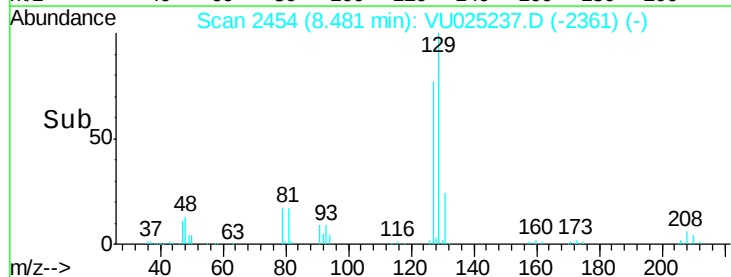
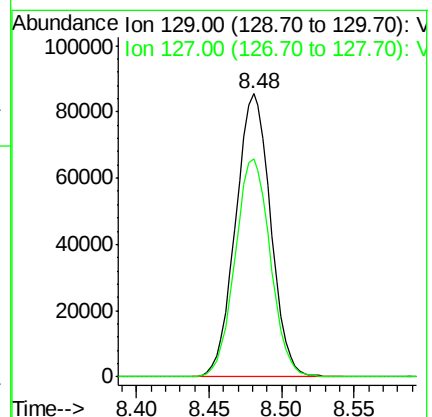
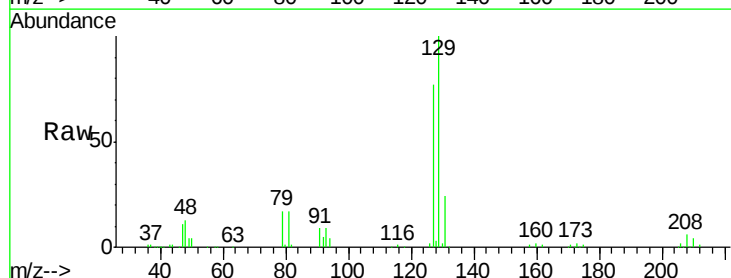
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

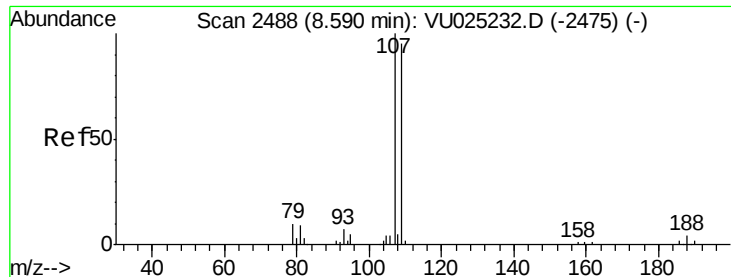
Tgt Ion: 43 Resp: 321509
Ion Ratio Lower Upper
43 100
58 53.1 43.2 64.8
57 19.6 15.8 23.8
100 11.9 9.4 14.0



#49
Dibromochloromethane
Concen: 52.072 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

Tgt Ion: 129 Resp: 143583
Ion Ratio Lower Upper
129 100
127 77.1 54.6 101.4

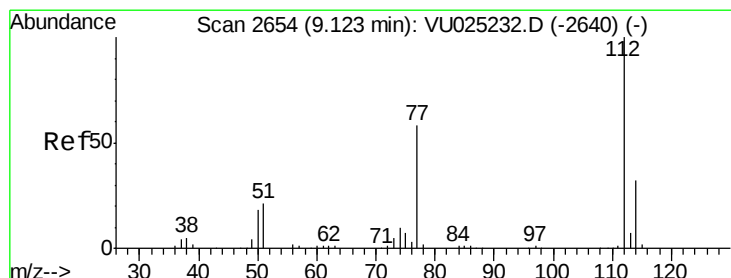
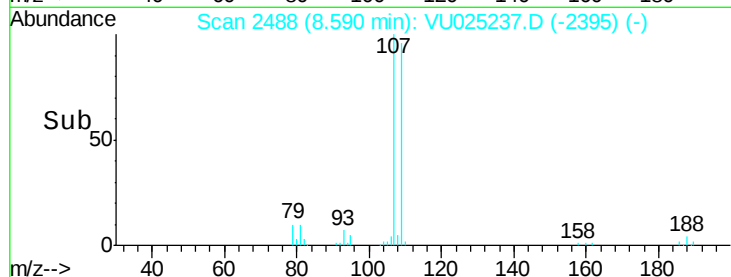
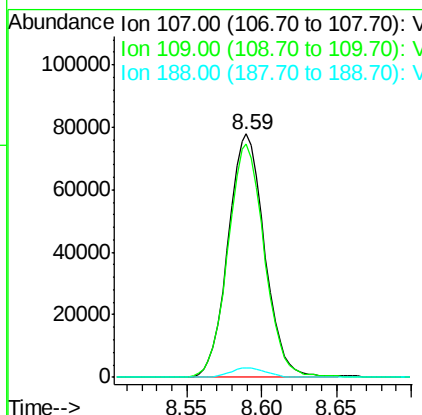
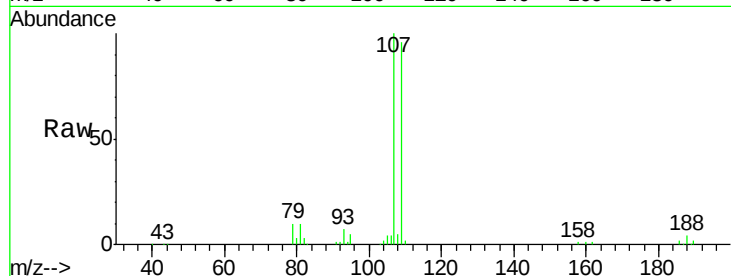




#50
1,2-Dibromoethane
Concen: 50.810 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

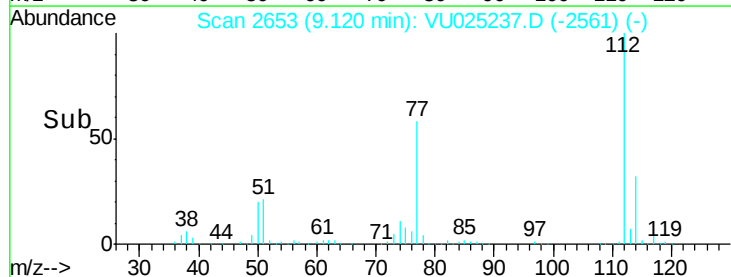
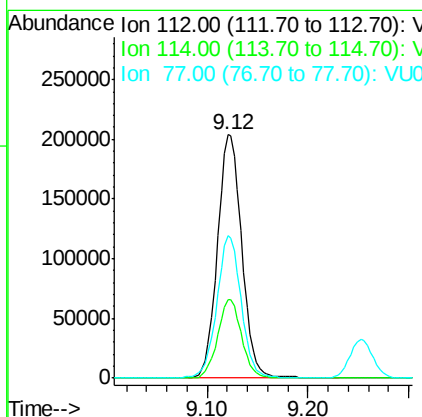
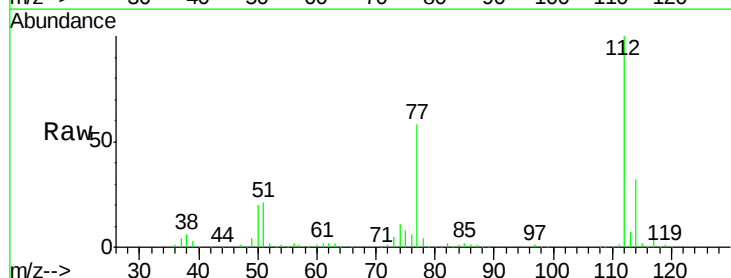
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

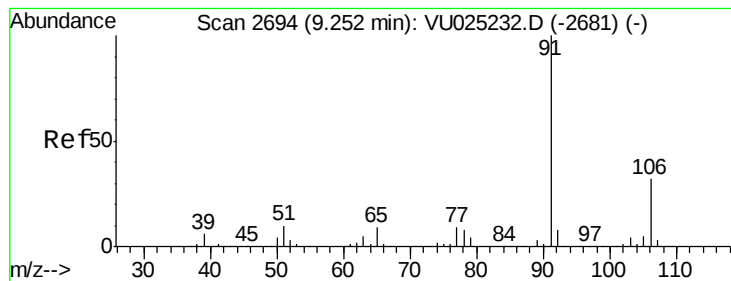
Tgt Ion:107 Resp: 132059
Ion Ratio Lower Upper
107 100
109 96.1 67.1 124.5
188 4.0 3.4 5.0



#51
Chlorobenzene
Concen: 51.347 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

Tgt Ion:112 Resp: 342948
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.1
77 58.3 46.2 69.4





#52

Ethylbenzene

Concen: 51.621 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

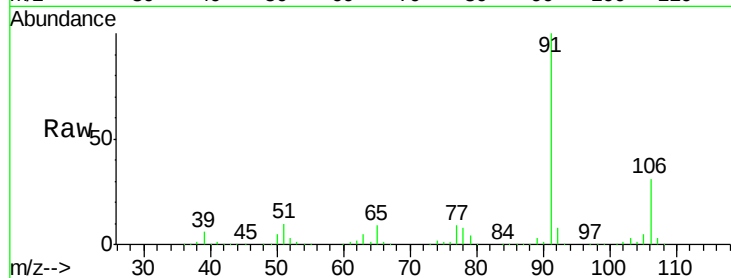
VSTD05048

Tgt Ion: 91 Resp: 581829

Ion Ratio Lower Upper

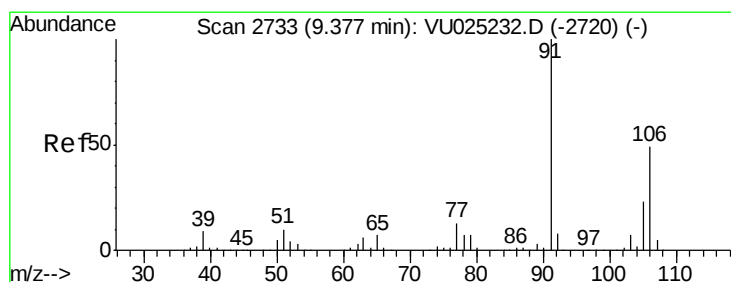
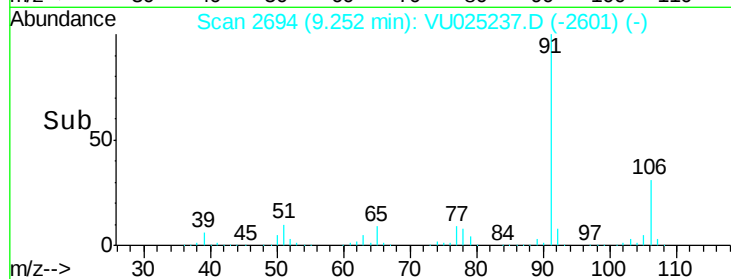
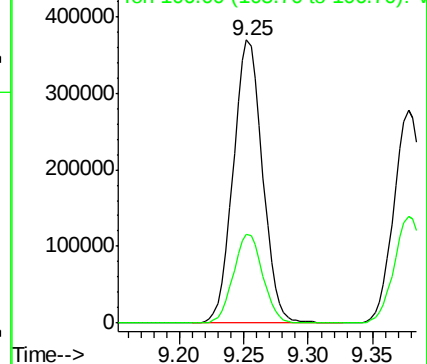
91 100

106 31.5 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.032 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025237.D

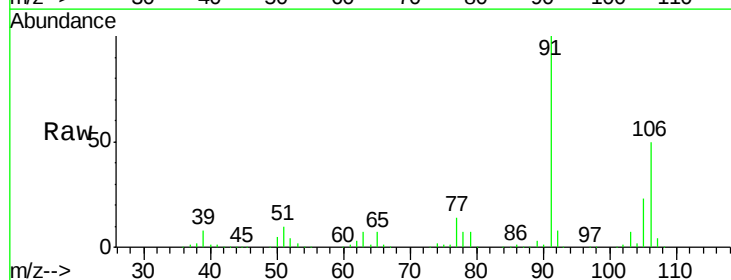
Acq: 06 Jul 2018 13:14

Tgt Ion: 106 Resp: 226949

Ion Ratio Lower Upper

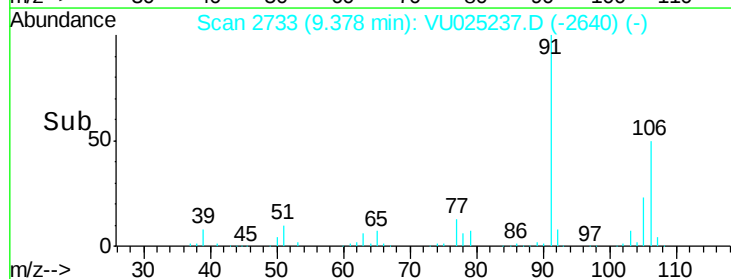
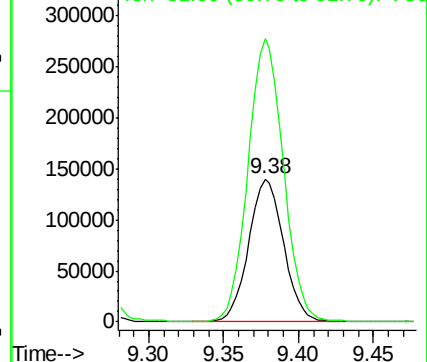
106 100

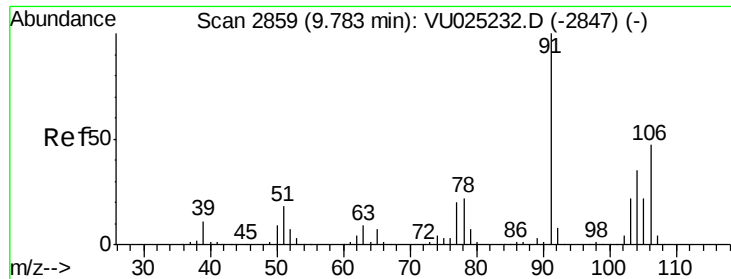
91 198.3 142.0 263.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

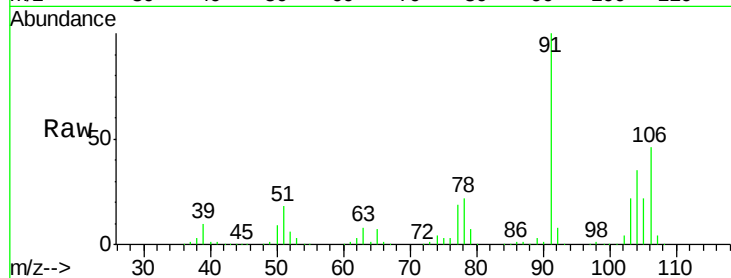




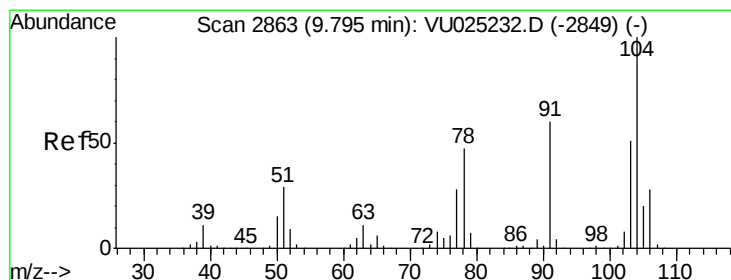
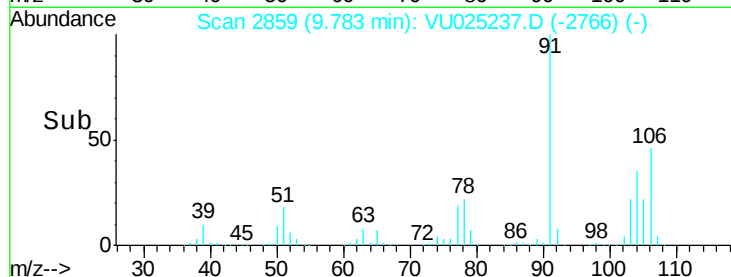
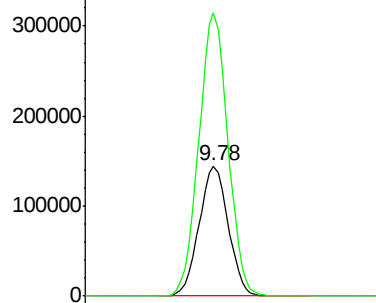
#54
o-xylene
Concen: 52.050 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion:106 Resp: 227718
Ion Ratio Lower Upper
106 100
91 217.9 152.0 282.4

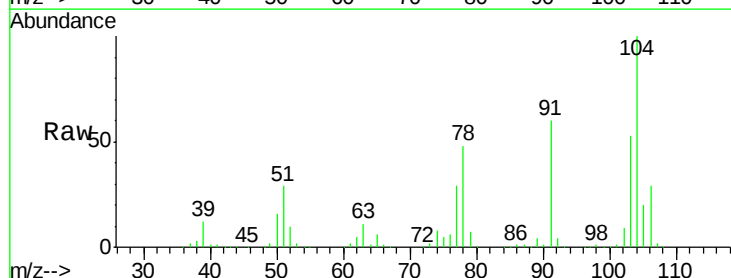


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

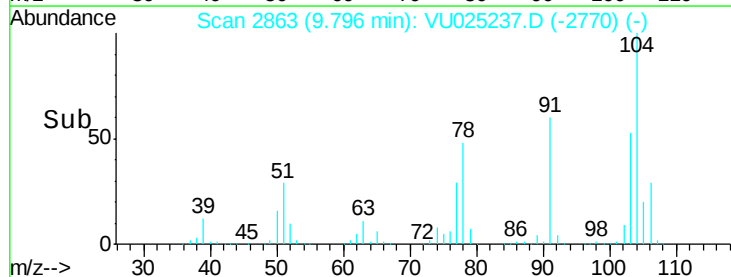
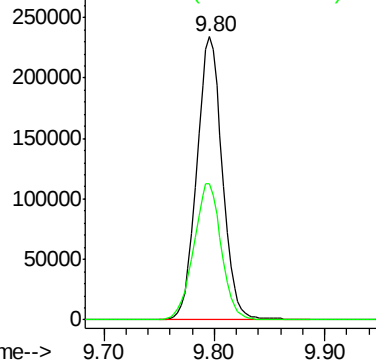


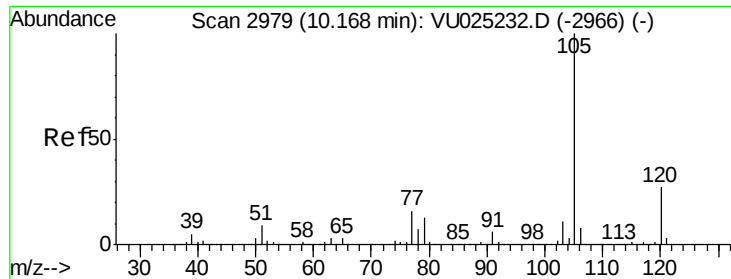
#55
Styrene
Concen: 52.398 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025237.D
Acq: 06 Jul 2018 13:14

Tgt Ion:104 Resp: 375738
Ion Ratio Lower Upper
104 100
78 48.0 32.6 60.6



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





#56

Isopropylbenzene

Concen: 52.548 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

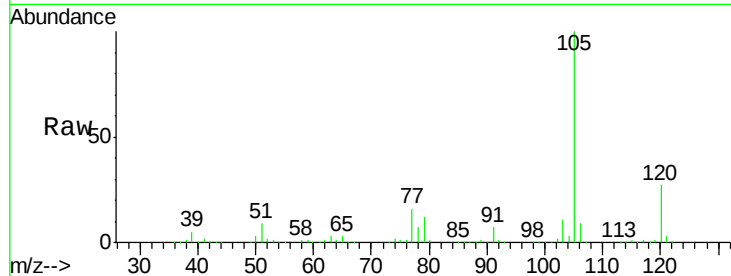
Tgt Ion: 105 Resp: 603840

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

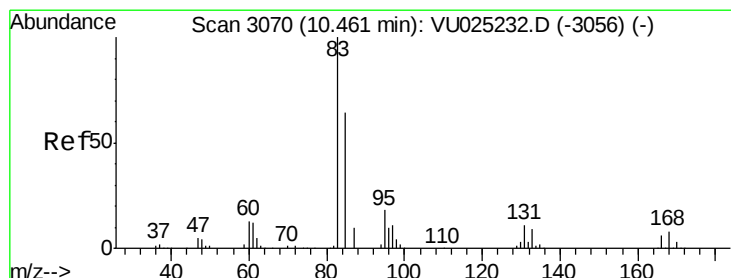
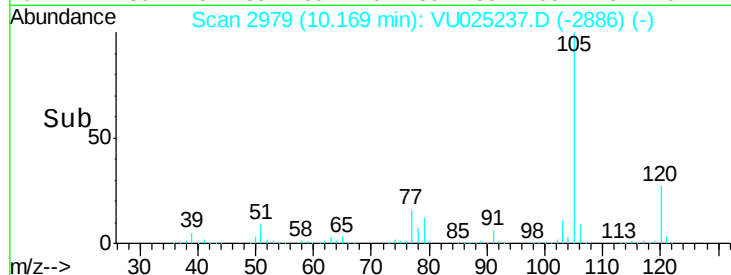
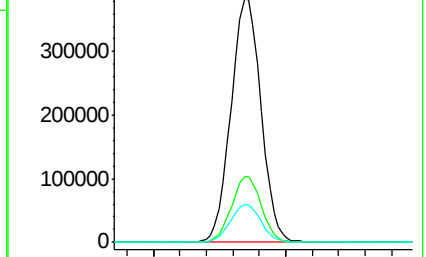
77 15.8 12.5 18.7



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: 52.794 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

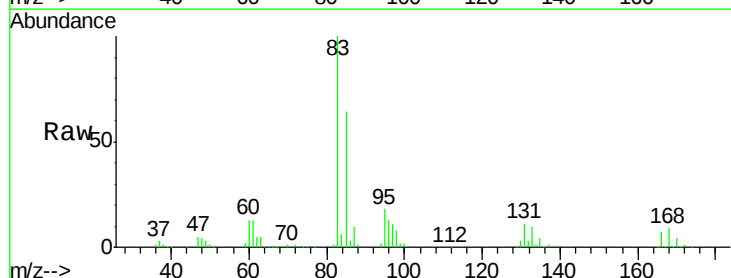
Tgt Ion: 83 Resp: 207012

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

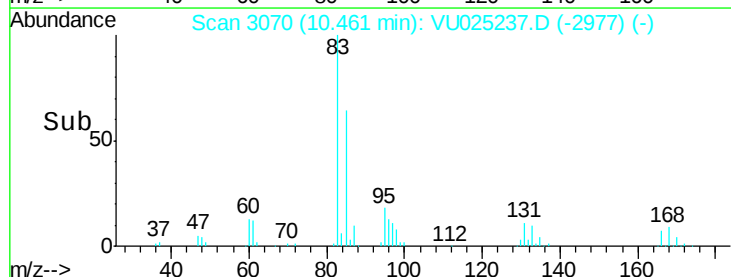
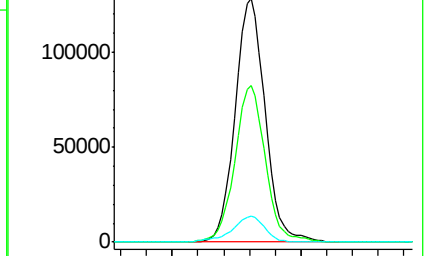
131 10.7 8.7 13.1

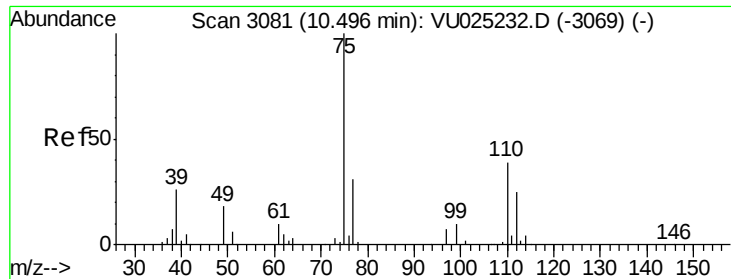


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

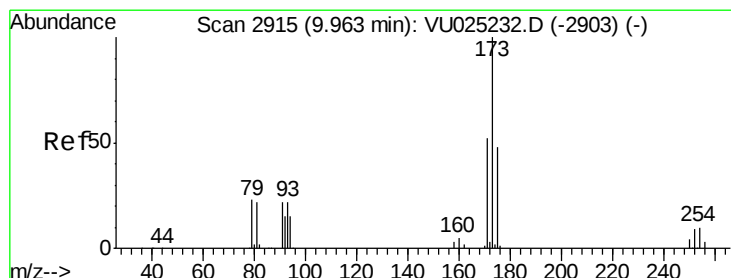
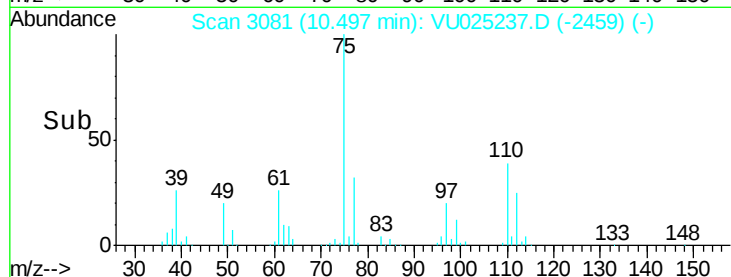
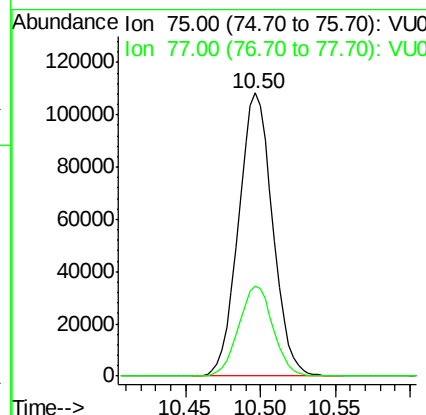
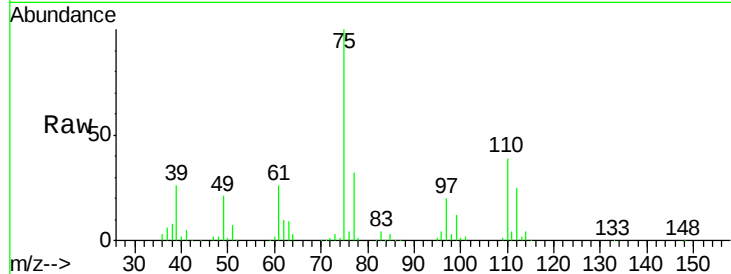




#59
 1,2,3-Trichloropropane
 Concen: 53.836 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

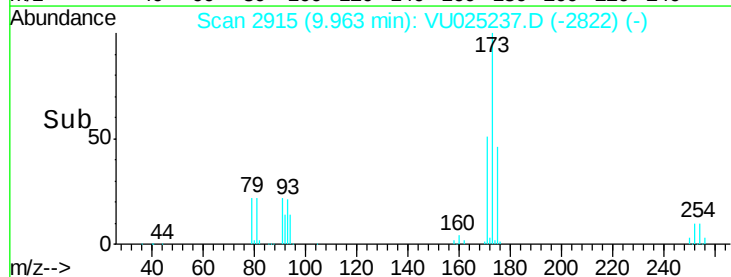
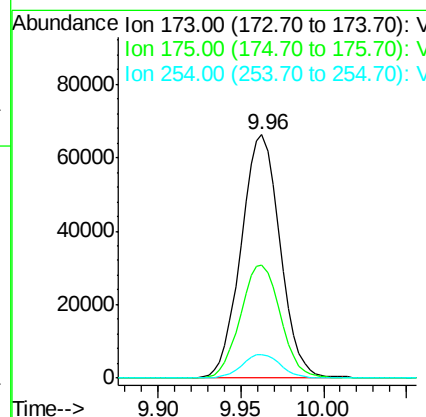
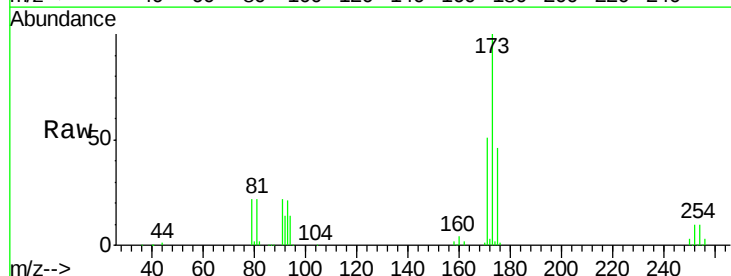
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

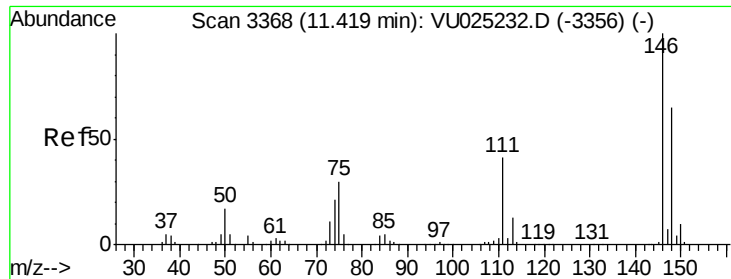
Tgt Ion: 75 Resp: 171869
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.4



#61
 Bromoform
 Concen: 51.157 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

Tgt Ion: 173 Resp: 108298
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.1 58.7
 254 9.7 7.7 11.5

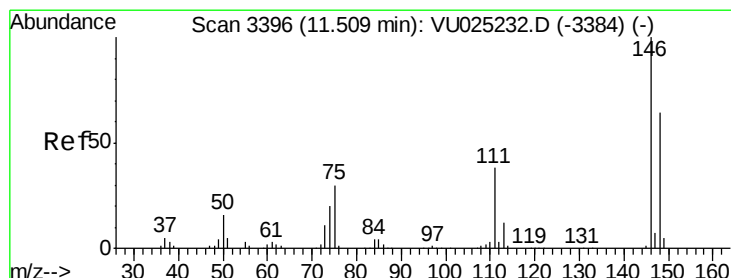
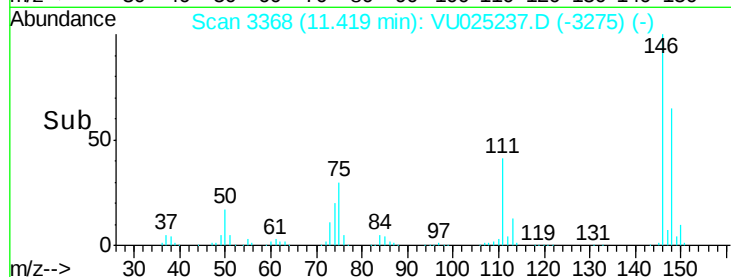
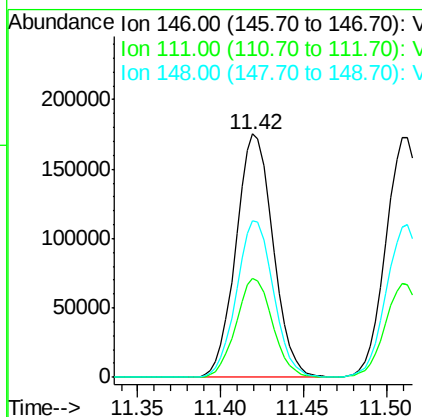
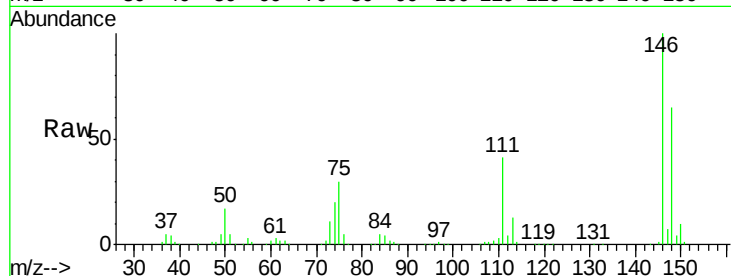




#62
 1,3-Dichlorobenzene
 Concen: 50.596 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

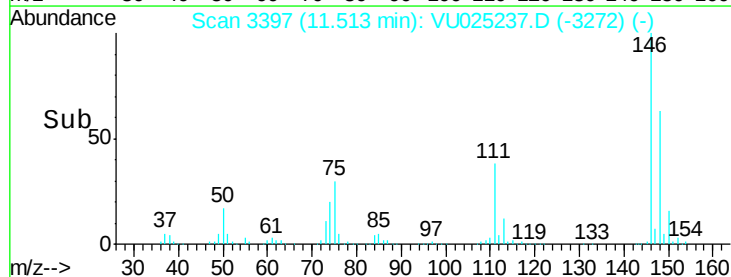
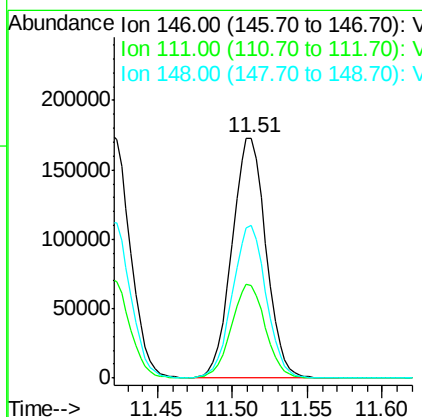
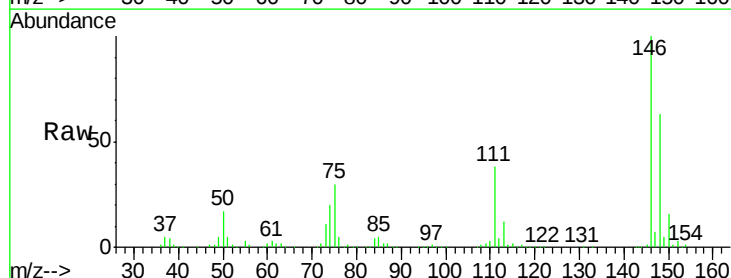
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

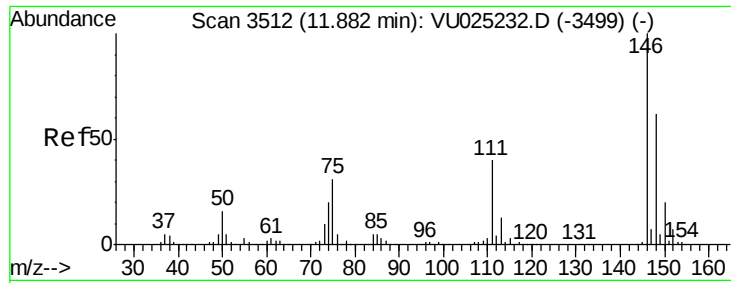
Tgt Ion:146 Resp: 273336
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.7 53.3
 148 64.6 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 50.408 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

Tgt Ion:146 Resp: 273930
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.7 51.5
 148 63.4 44.7 83.1

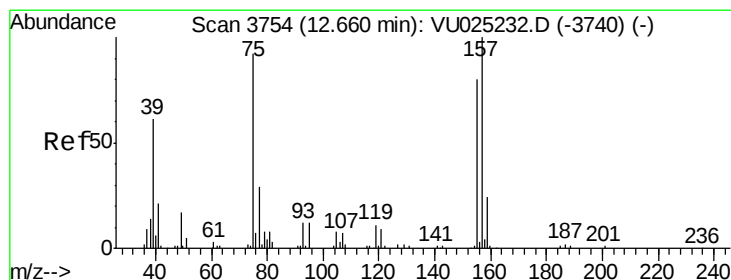
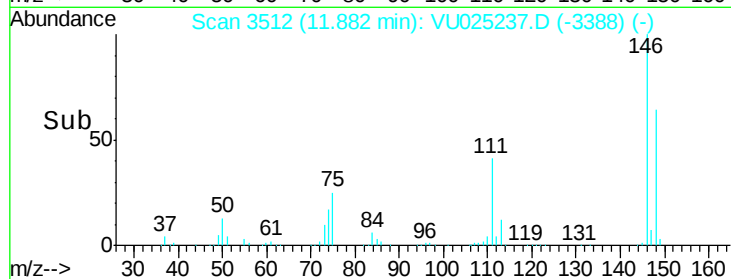
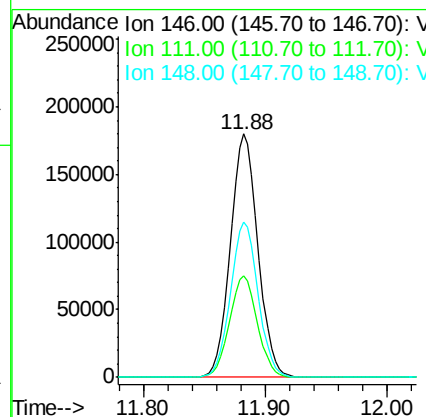
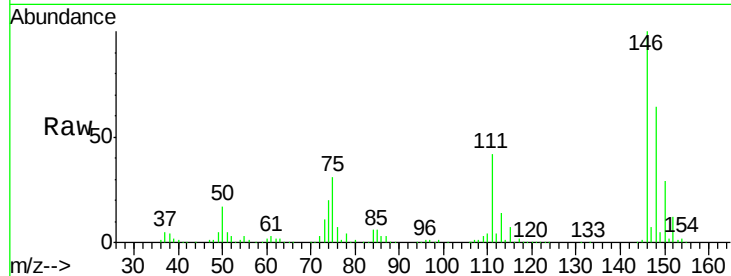




#65
 1,2-Dichlorobenzene
 Concen: 49.822 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

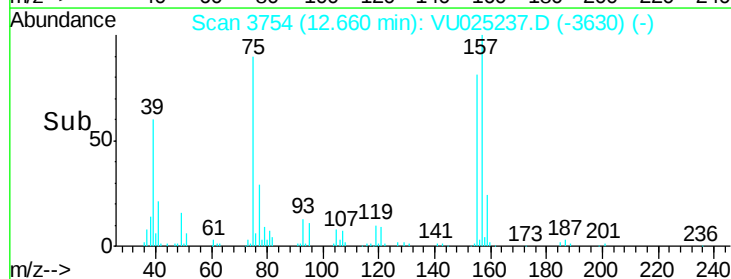
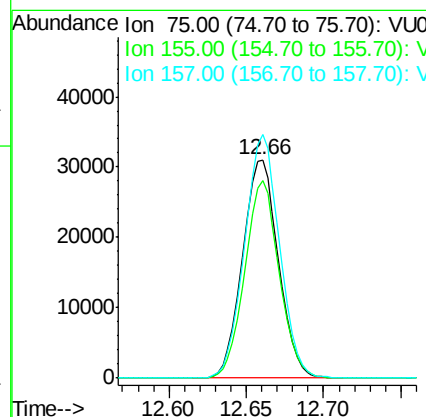
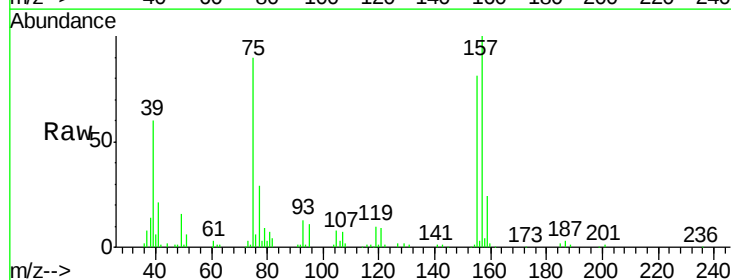
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

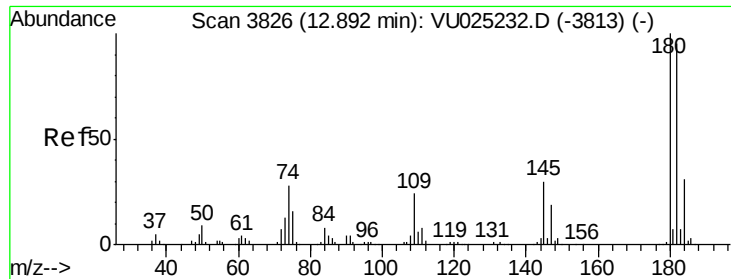
Tgt Ion: 146 Resp: 284111
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.0 49.4
 148 63.7 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.934 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

Tgt Ion: 75 Resp: 49949
 Ion Ratio Lower Upper
 75 100
 155 90.4 66.3 99.5
 157 111.4 87.9 131.9

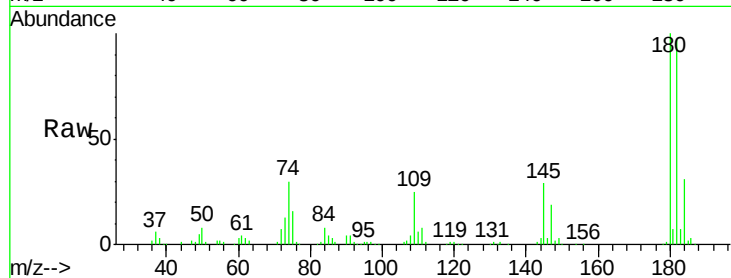




#67
 1,3,5-Trichlorobenzene
 Concen: 51.947 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.8	115.2
184	30.6	24.3	36.5
145	29.0	23.8	35.8

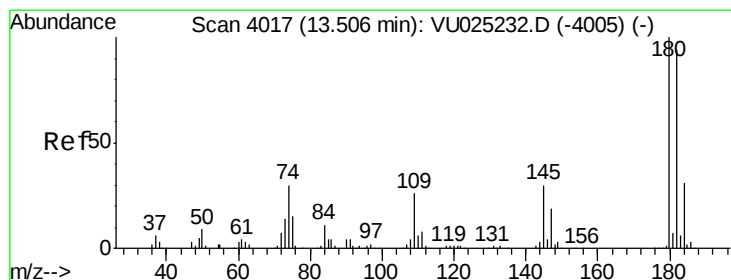
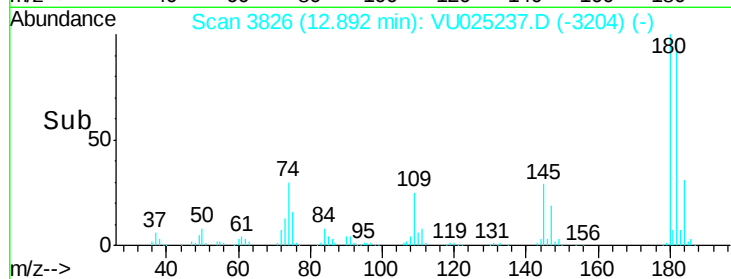
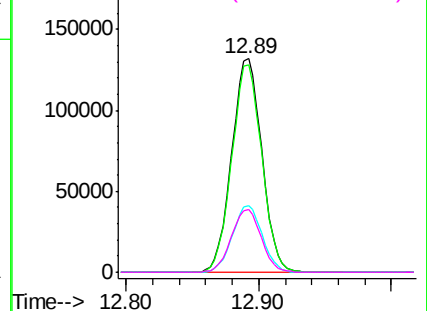


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

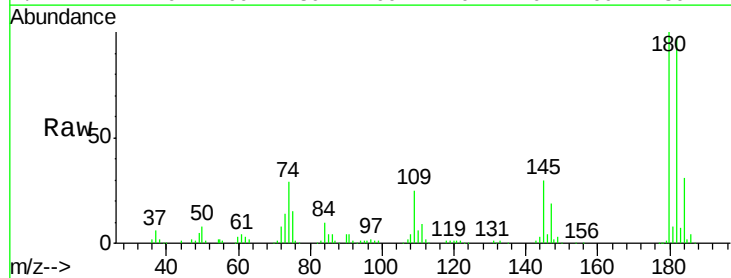
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.116 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025237.D
 Acq: 06 Jul 2018 13:14

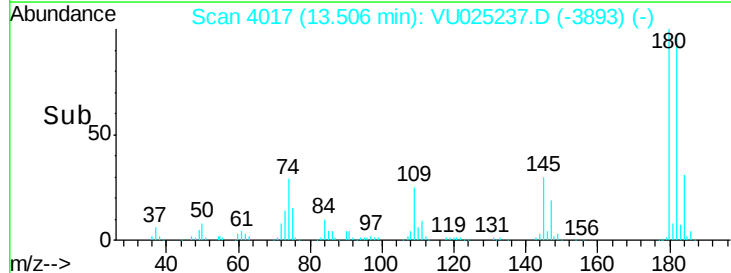
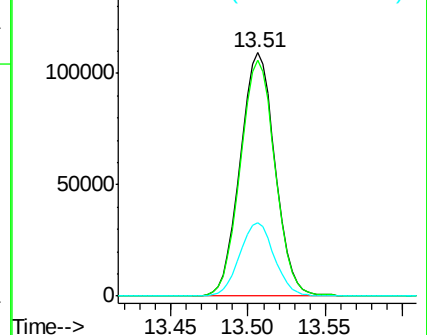
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.9	113.9
145	30.1	23.8	35.8

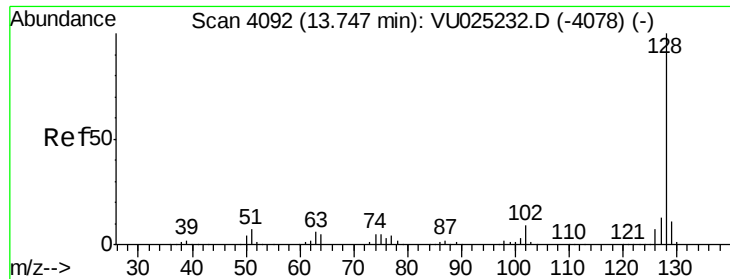


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.447 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

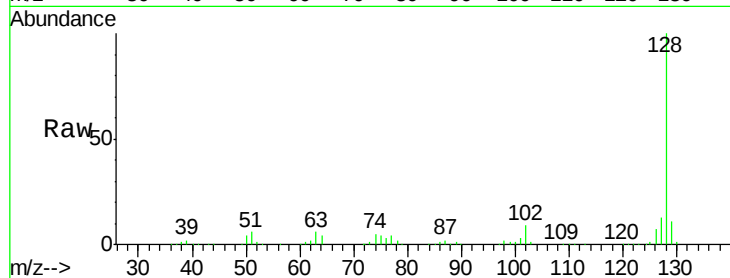
Tgt Ion:128 Resp: 551298

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

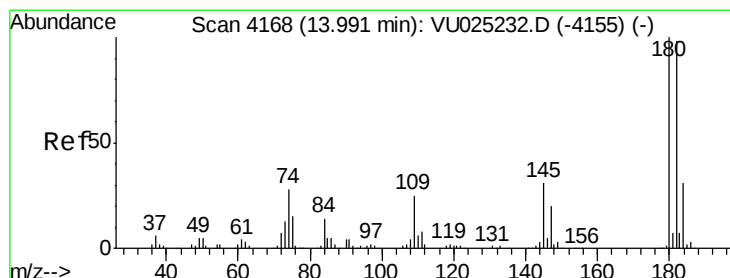
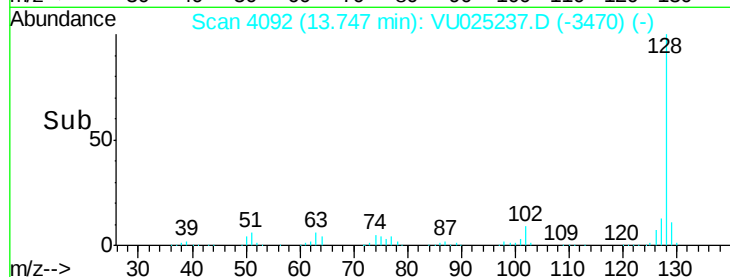
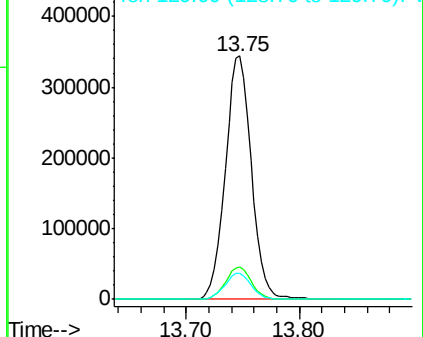
129 10.7 8.8 13.2



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: 50.405 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025237.D

Acq: 06 Jul 2018 13:14

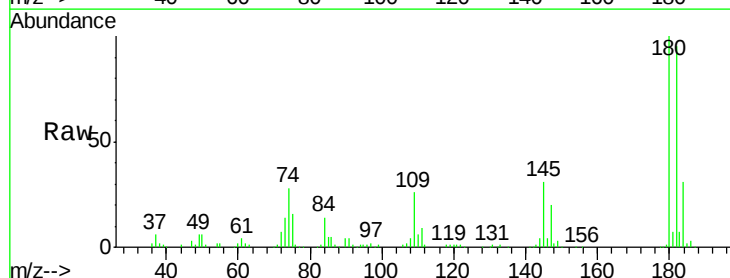
Tgt Ion:180 Resp: 181525

Ion Ratio Lower Upper

180 100

182 96.2 77.4 116.0

145 31.5 25.4 38.0



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

