

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026241.D
 Acq On : 22 Aug 2018 12:05
 Operator : MD/SY
 Sample : VSTD05042
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Aug 23 04:41:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 04:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	303043	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	290599	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	154185	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93001	43.33	ug/L	0.00
7) Chloroethane-d5	1.68	69	77002	45.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	187228	45.93	ug/L	0.00
21) 2-Butanone-d5	4.18	46	150930	84.92	ug/L	0.00
24) Chloroform-d	4.65	84	211587	46.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	135777	43.99	ug/L	0.00
32) Benzene-d6	5.35	84	406606	46.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	126466	44.60	ug/L	0.00
41) Toluene-d8	7.57	98	392584	46.56	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	67637	46.98	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	113834	89.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	188100	45.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	163935	44.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	129262	49.212	ug/L 100
3) Chloromethane	1.33	50	119117	50.216	ug/L 100
5) Vinyl chloride	1.40	62	116268	50.973	ug/L 100
6) Bromomethane	1.63	94	74085	59.053	ug/L 100
8) Chloroethane	1.70	64	68749	50.079	ug/L 100
9) Trichlorofluoromethane	1.89	101	167706	50.967	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	94548	50.089	ug/L 100
12) 1,1-Dichloroethene	2.28	96	85612	49.468	ug/L 100
13) Acetone	2.32	43	120422	103.505	ug/L 100
14) Carbon disulfide	2.48	76	316549	54.056	ug/L 100
15) Methyl Acetate	2.62	43	117100	49.086	ug/L 100
16) Methylene chloride	2.70	84	112893	50.182	ug/L 100
17) trans-1,2-Dichloroethene	2.99	96	102196	52.099	ug/L 100
18) Methyl tert-butyl Ether	3.00	73	323234	50.520	ug/L 100
19) 1,1-Dichloroethane	3.45	63	197836	51.841	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	116066	51.416	ug/L 100
22) 2-Butanone	4.26	43	164918	99.945	ug/L 100
23) Bromochloromethane	4.55	128	62890	52.254	ug/L 100
25) Chloroform	4.68	83	204008	51.564	ug/L 100
27) 1,2-Dichloroethane	5.41	62	163561	50.376	ug/L 100
29) Cyclohexane	5.00	56	165835	51.152	ug/L 100
30) 1,1,1-Trichloroethane	4.92	97	184868	50.376	ug/L 100
31) Carbon tetrachloride	5.14	117	171571	51.200	ug/L 100
33) Benzene	5.39	78	437471	52.493	ug/L 100
34) Trichloroethene	6.19	95	110677	51.083	ug/L 100
35) Methylcyclohexane	6.42	83	179700	53.893	ug/L 100
37) 1,2-Dichloropropane	6.44	63	118580	52.078	ug/L 100
38) Bromodichloromethane	6.76	83	156980	51.797	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	180812	52.778	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	301889	98.383	ug/L 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026241.D
 Acq On : 22 Aug 2018 12:05
 Operator : MD/SY
 Sample : VSTD05042
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

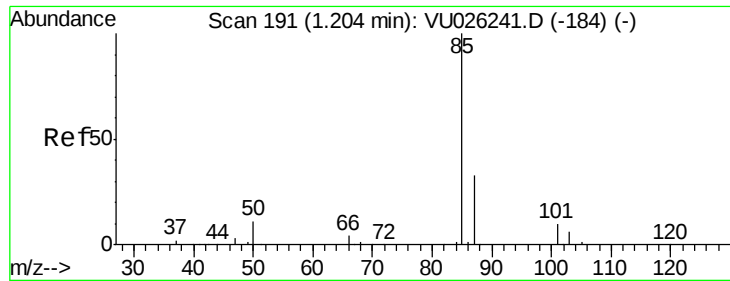
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Aug 23 04:41:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 04:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	471266	53.327	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	174042	53.006	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	112427	52.017	ug/L	100
46) Tetrachloroethene	8.23	164	94777	51.272	ug/L	100
48) 2-Hexanone	8.36	43	244237	101.393	ug/L	100
49) Dibromochloromethane	8.48	129	137800	52.678	ug/L	100
50) 1,2-Dibromoethane	8.59	107	122461	51.828	ug/L	100
51) Chlorobenzene	9.12	112	309003	52.008	ug/L	100
52) Ethylbenzene	9.25	91	510934	52.922	ug/L	100
53) m,p-Xylene	9.38	106	201504	54.460	ug/L	100
54) o-xylene	9.78	106	195020	53.295	ug/L	100
55) Styrene	9.79	104	337590	55.118	ug/L	100
56) Isopropylbenzene	10.17	105	502501	53.440	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	188283	51.274	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	146479	50.333	ug/L	100
61) Bromoform	9.96	173	104665	50.128	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	245215	50.890	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	252175	49.947	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	259376	50.680	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	43400	48.610	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	191450	52.897	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	166496	53.992	ug/L	100
69) Naphthalene	13.74	128	534612	54.403	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	180766	54.743	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.212 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

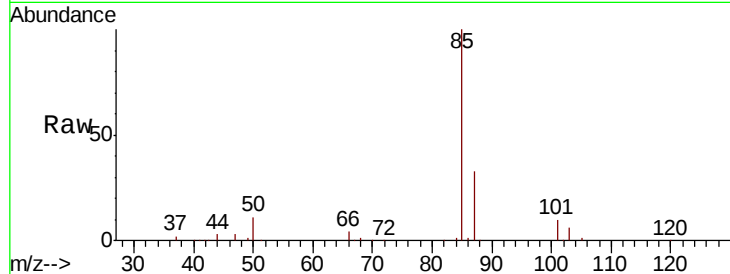
VSTD05042

Tgt Ion: 85 Resp: 129262

Ion Ratio Lower Upper

85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

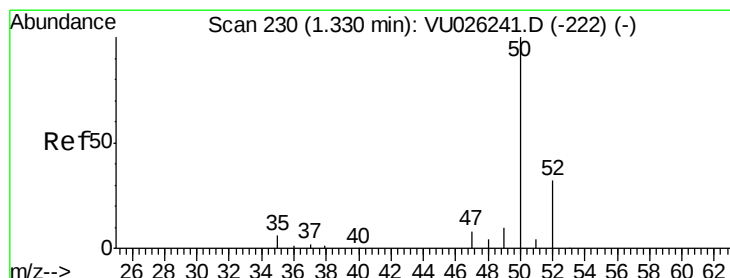
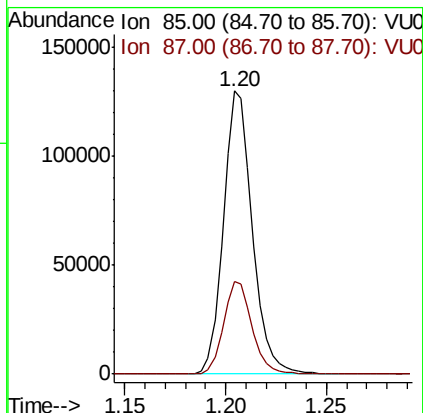
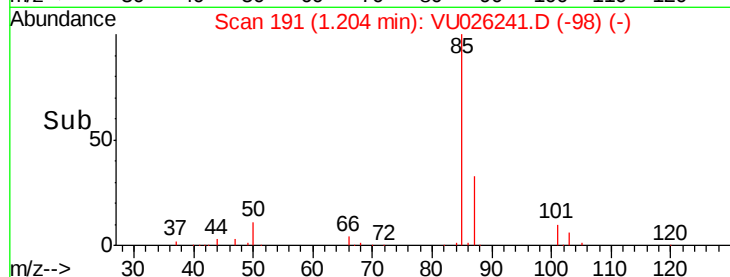
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.216 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026241.D

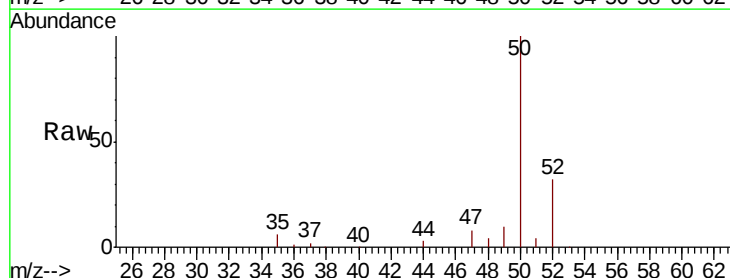
Acq: 22 Aug 2018 12:05

Tgt Ion: 50 Resp: 119117

Ion Ratio Lower Upper

50 100

52 32.3 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

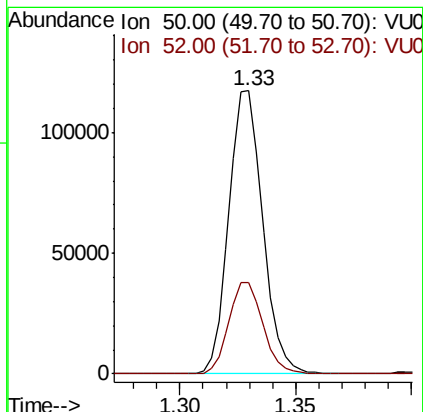
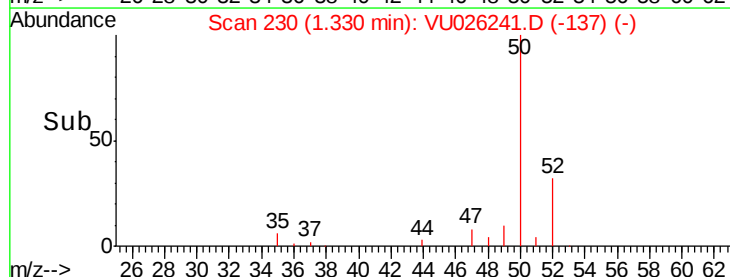
Ion 52.00 (51.70 to 52.70): VU0

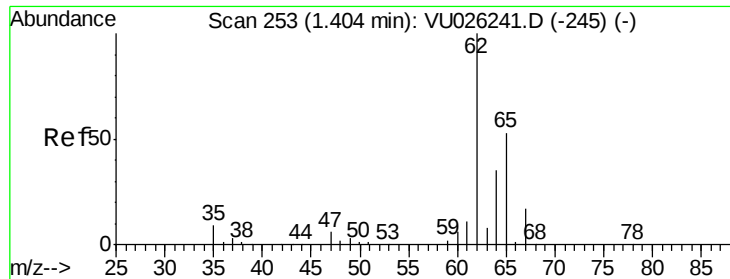
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.973 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

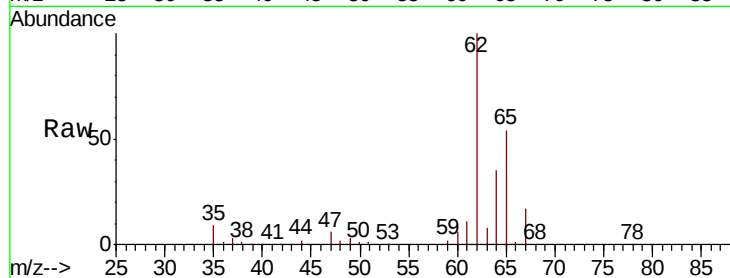
VSTD05042

Tgt Ion: 62 Resp: 116268

Ion Ratio Lower Upper

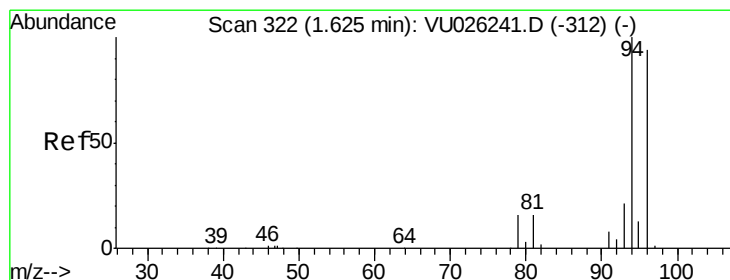
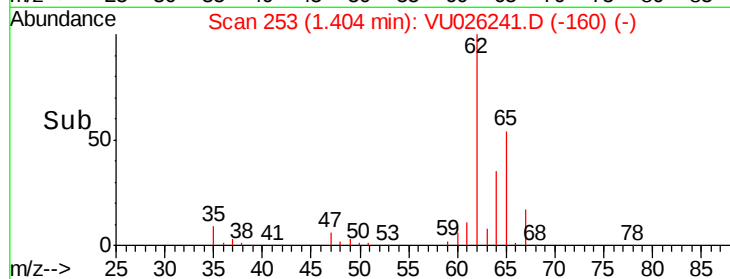
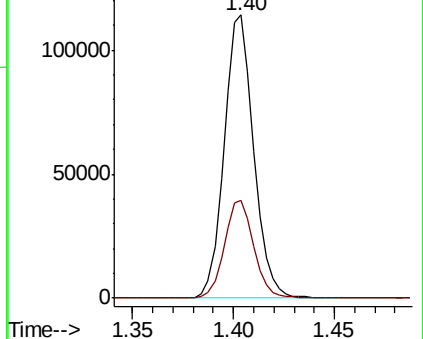
62 100

64 34.6 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 59.053 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU026241.D

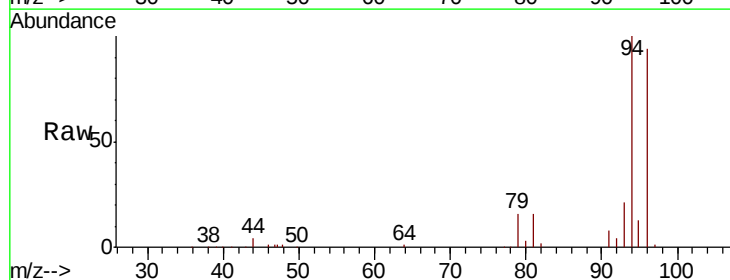
Acq: 22 Aug 2018 12:05

Tgt Ion: 94 Resp: 74085

Ion Ratio Lower Upper

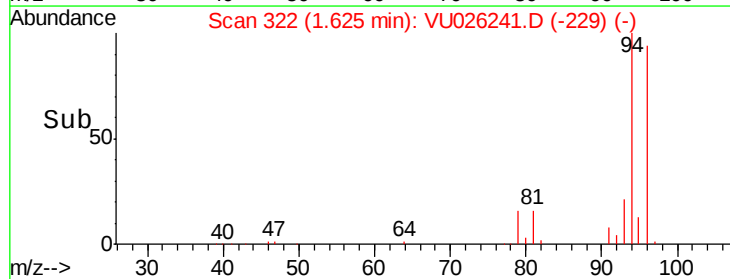
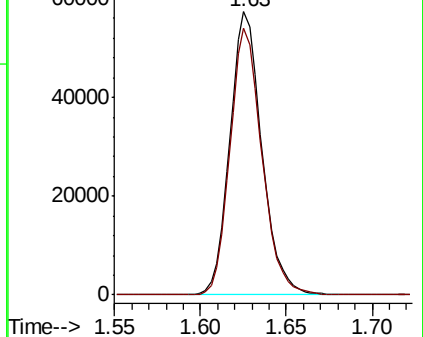
94 100

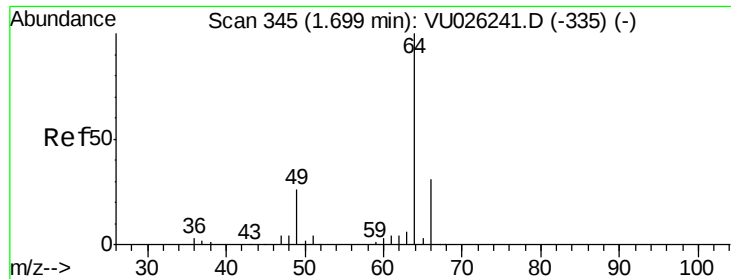
96 94.1 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 50.079 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

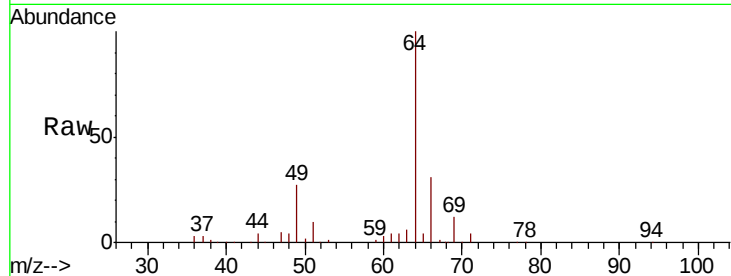
VSTD05042

Tgt Ion: 64 Resp: 68749

Ion Ratio Lower Upper

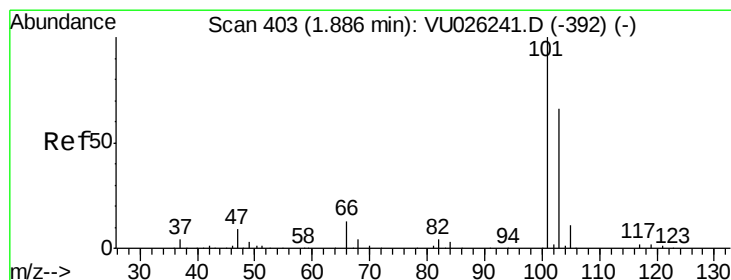
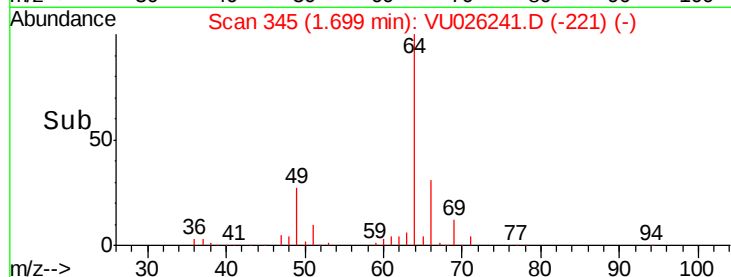
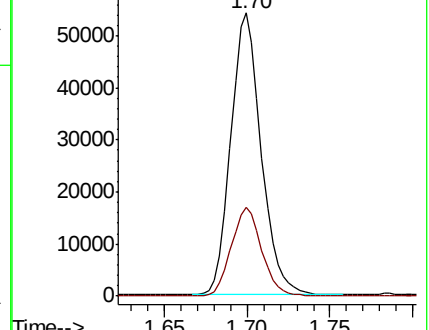
64 100

66 31.3 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU026241.D (-335) (-)

Ion 66.00 (65.70 to 66.70): VU026241.D (-335) (-)



#9

Trichlorofluoromethane

Concen: 50.967 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026241.D

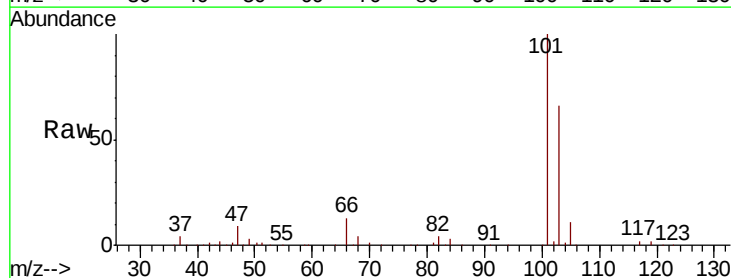
Acq: 22 Aug 2018 12:05

Tgt Ion: 101 Resp: 167706

Ion Ratio Lower Upper

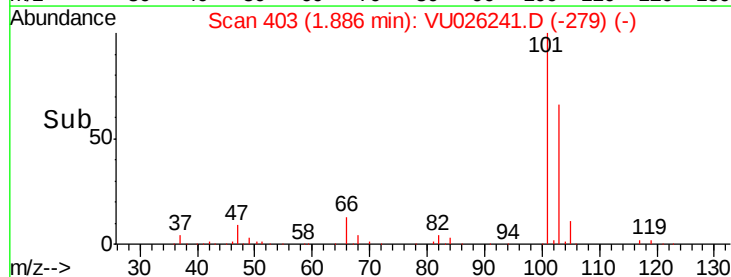
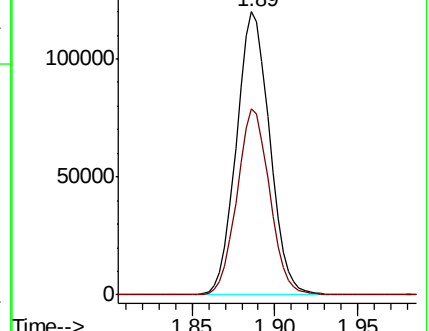
101 100

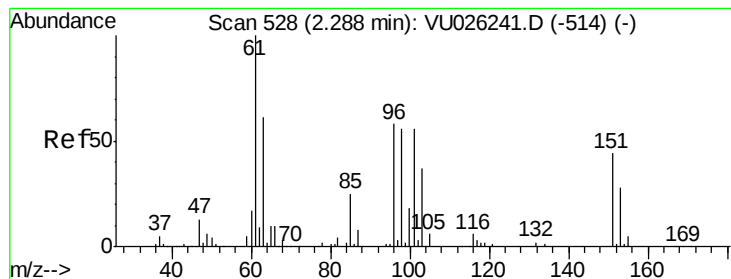
103 64.6 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU026241.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026241.D (-392) (-)





#10

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

Concen: 50.089 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

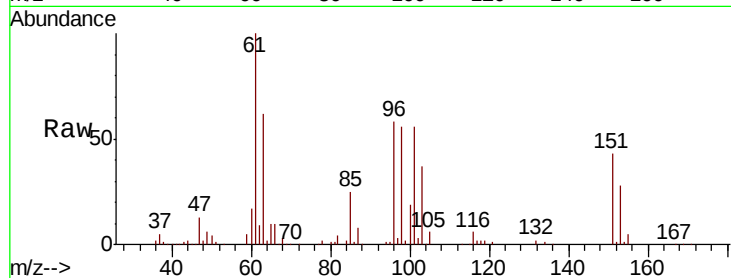
Tgt Ion:101 Resp: 94548

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

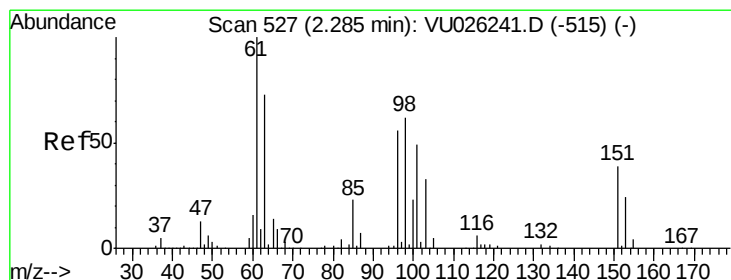
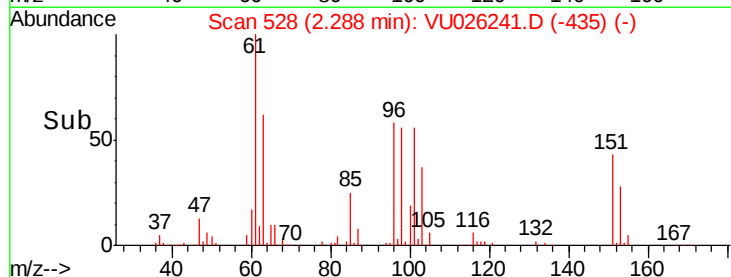
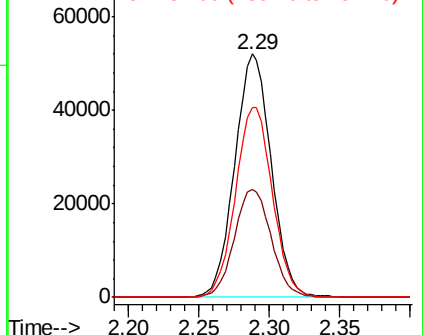
151 79.1 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.468 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

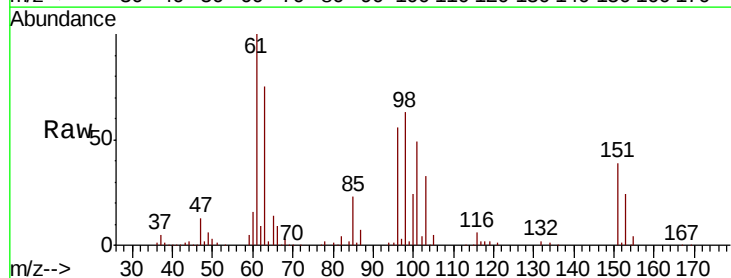
Tgt Ion: 96 Resp: 85612

Ion Ratio Lower Upper

96 100

61 178.1 124.7 231.5

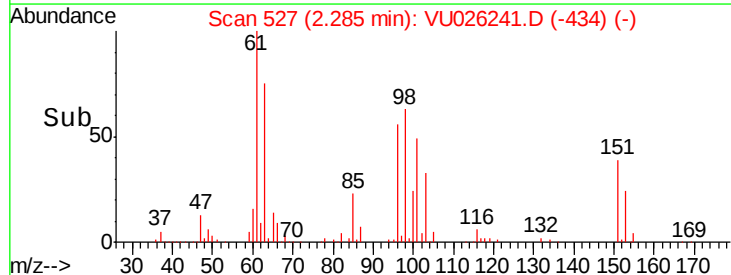
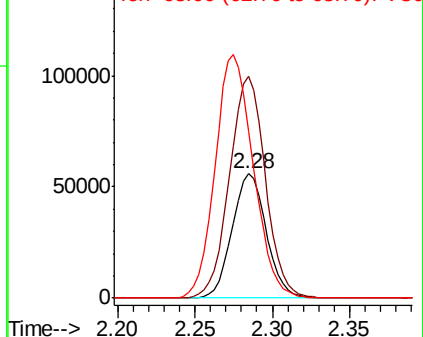
63 133.9 93.7 174.1

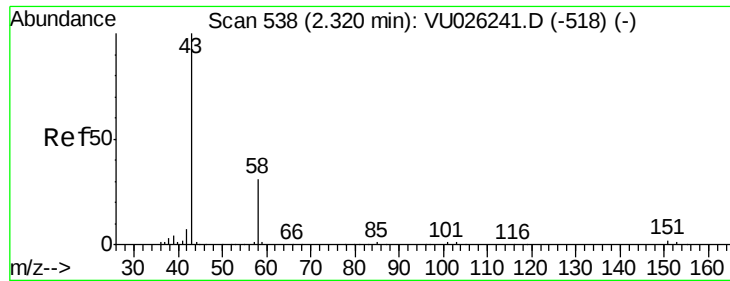


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.505 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

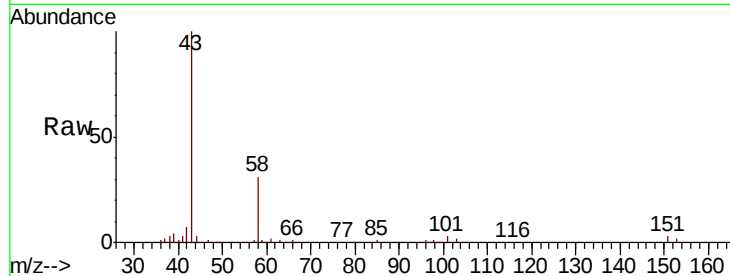
VSTD05042

Tgt Ion: 43 Resp: 120422

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

80000

60000

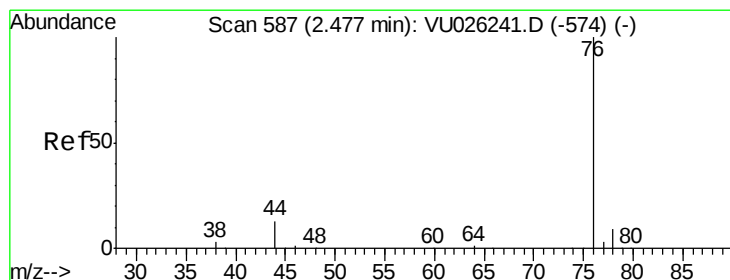
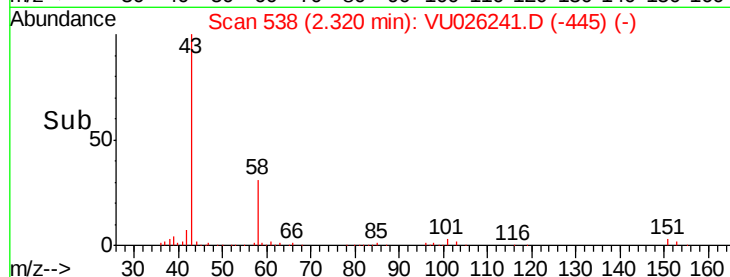
40000

20000

0

2.20 2.25 2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 54.056 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026241.D

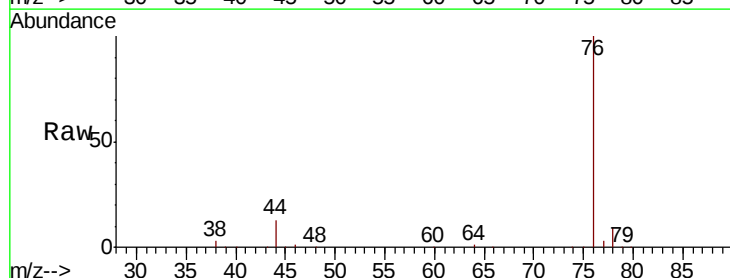
Acq: 22 Aug 2018 12:05

Tgt Ion: 76 Resp: 316549

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

200000

150000

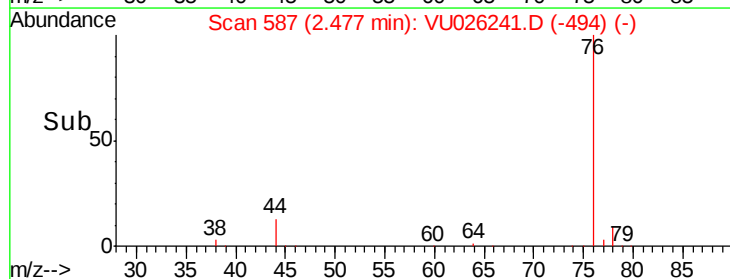
100000

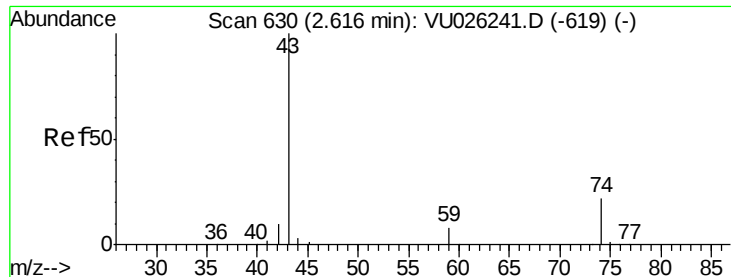
50000

0

2.40 2.45 2.50 2.55 2.60

Time-->

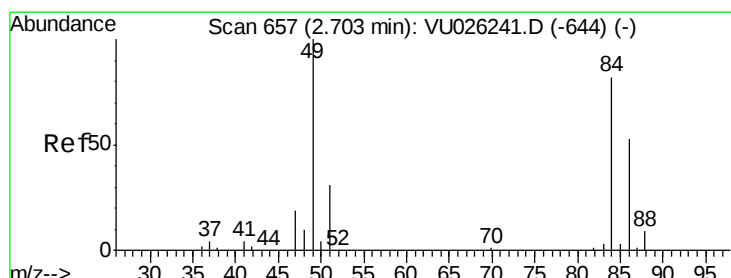
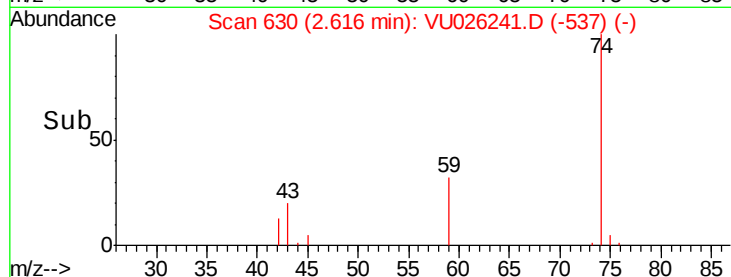
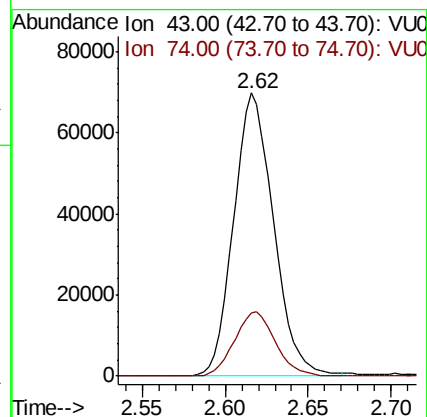
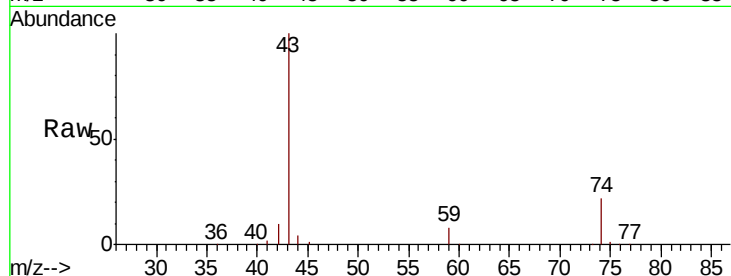




#15
Methyl Acetate
Concen: 49.086 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

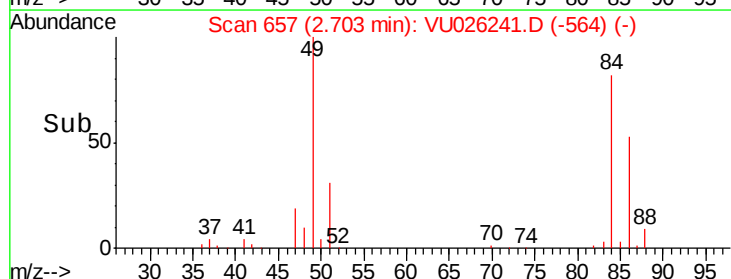
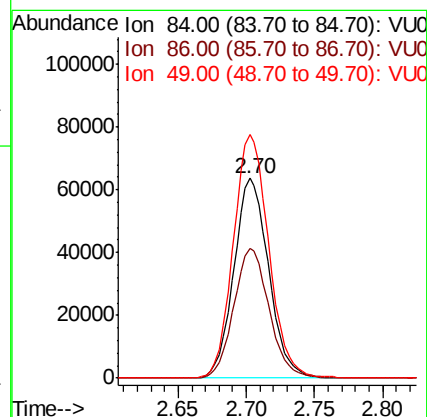
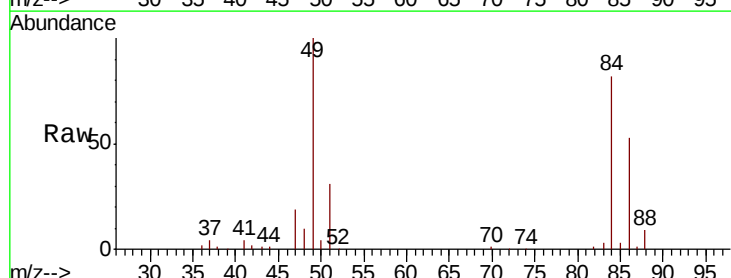
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

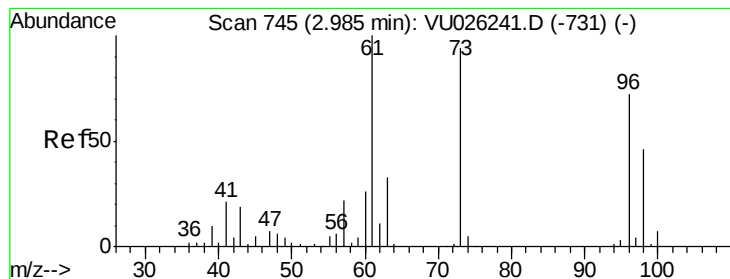
Tgt Ion: 43 Resp: 117100
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8



#16
Methylene chloride
Concen: 50.182 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

Tgt Ion: 84 Resp: 112893
Ion Ratio Lower Upper
84 100
86 64.9 45.4 84.4
49 121.9 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 52.099 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

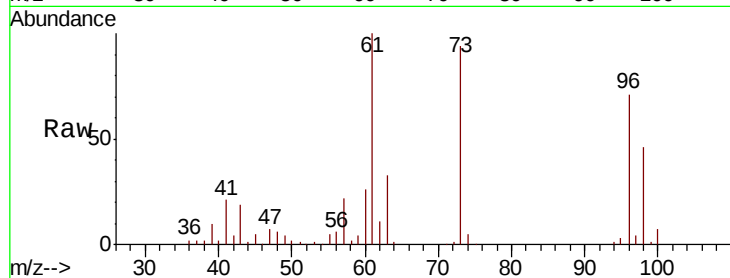
Tgt Ion: 96 Resp: 102196

Ion Ratio Lower Upper

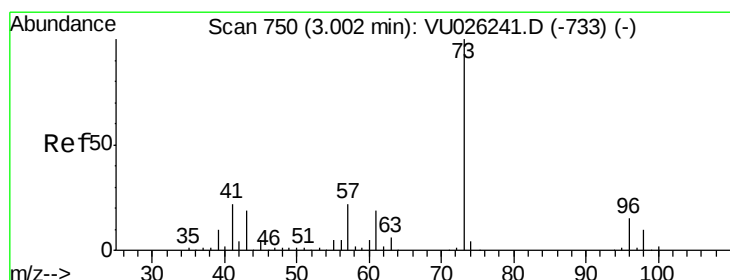
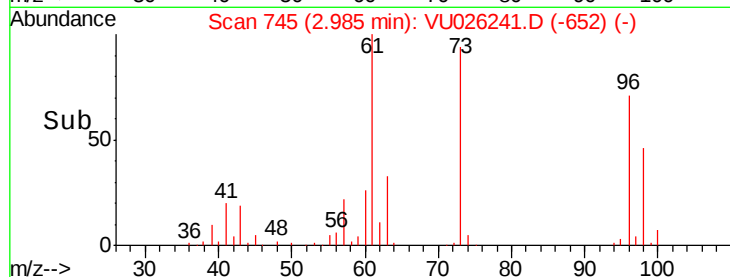
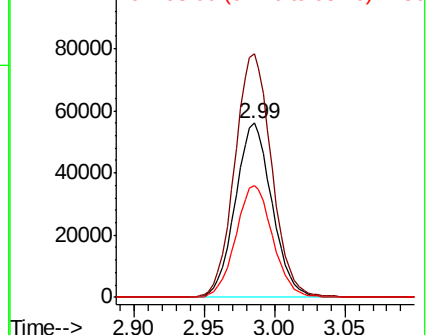
96 100

61 139.9 97.9 181.9

98 64.4 45.1 83.7



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



#18

Methyl tert-butyl Ether

Concen: 50.520 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

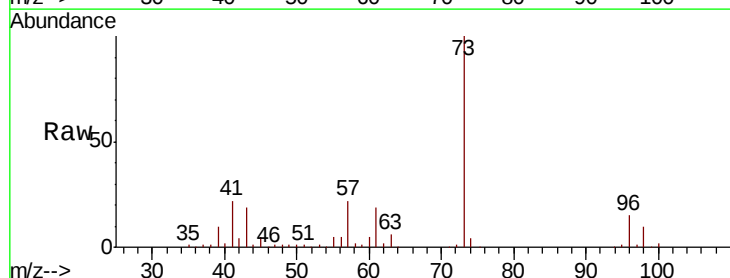
Tgt Ion: 73 Resp: 323234

Ion Ratio Lower Upper

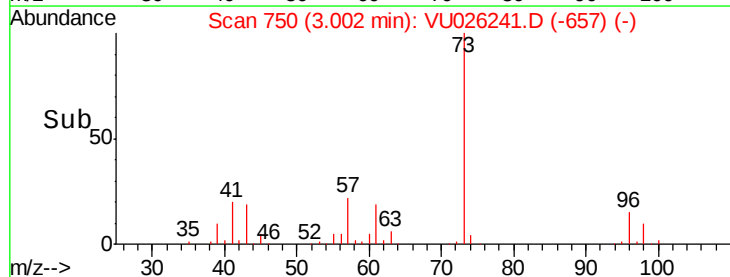
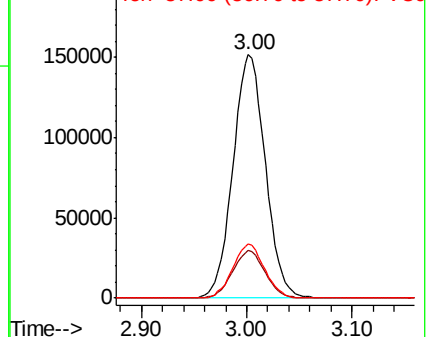
73 100

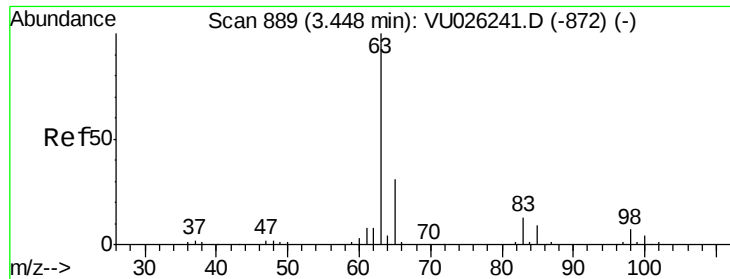
43 19.6 15.7 23.5

57 21.9 17.5 26.3



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

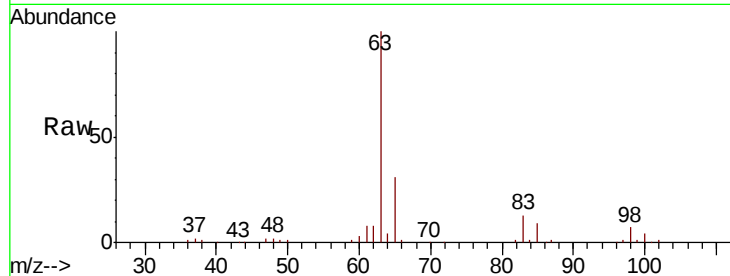




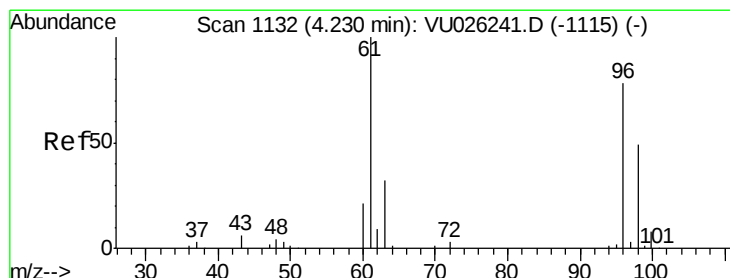
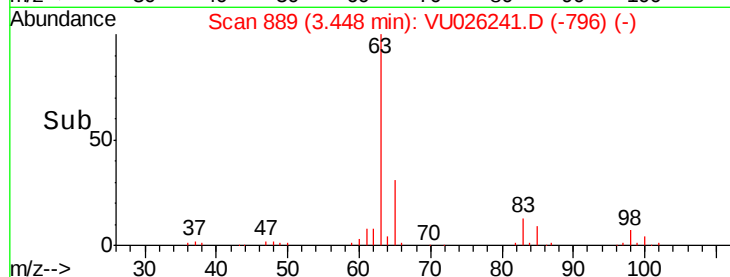
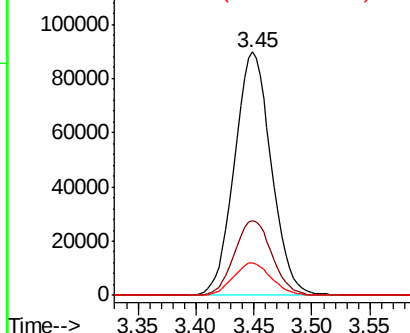
#19
 1,1-Dichloroethane
 Concen: 51.841 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026241.D
 Acq: 22 Aug 2018 12:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion: 63 Resp: 197836
 Ion Ratio Lower Upper
 63 100
 65 30.6 21.4 39.8
 83 13.2 9.2 17.2

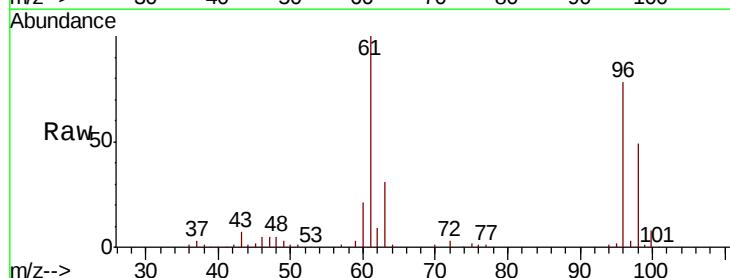


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

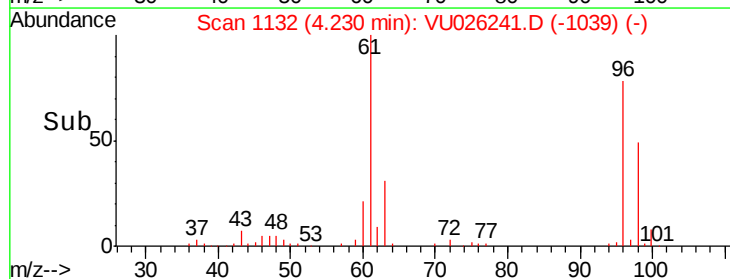
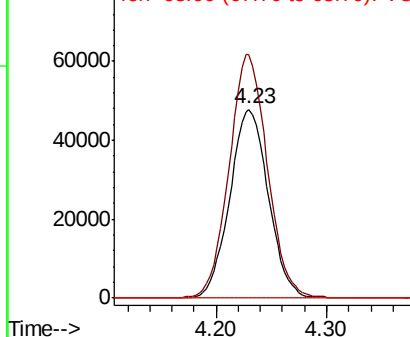


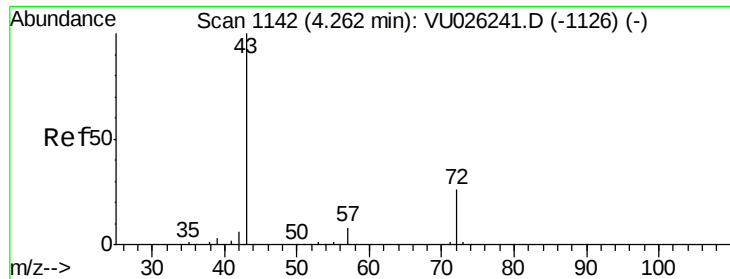
#20
 cis-1,2-Dichloroethene
 Concen: 51.416 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026241.D
 Acq: 22 Aug 2018 12:05

Tgt Ion: 96 Resp: 116066
 Ion Ratio Lower Upper
 96 100
 61 129.0 90.3 167.7
 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: 99.945 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

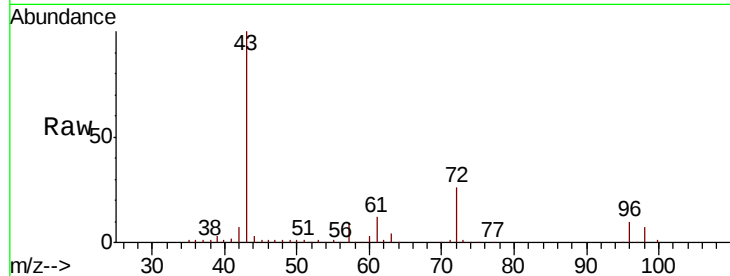
VSTD05042

Tgt Ion: 43 Resp: 164918

Ion Ratio Lower Upper

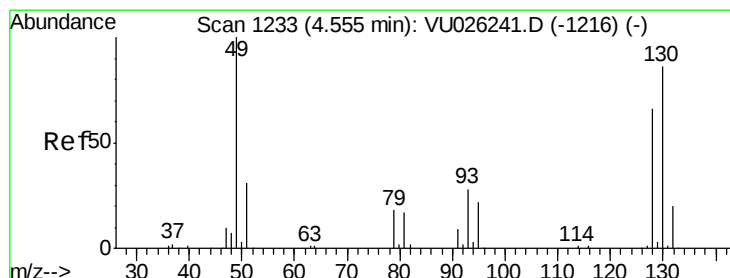
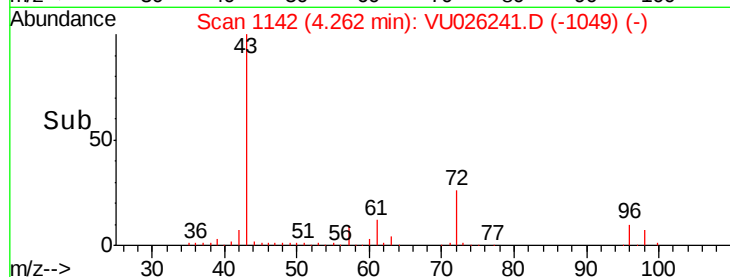
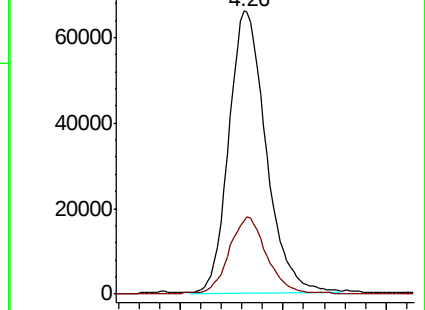
43 100

72 28.2 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026241.D (-1126) (-)

Ion 72.00 (71.70 to 72.70): VU026241.D (-1126) (-)



#23

Bromochloromethane

Concen: 52.254 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Tgt Ion: 128 Resp: 62890

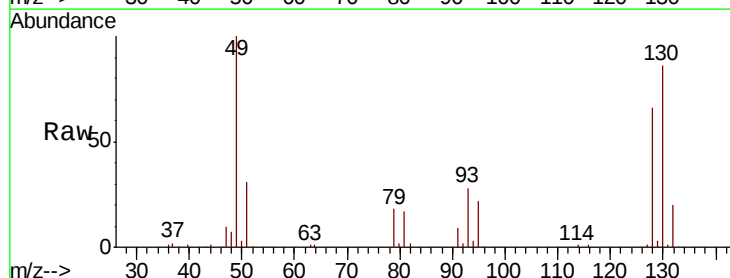
Ion Ratio Lower Upper

128 100

49 152.5 106.7 198.3

130 131.0 91.7 170.3

51 47.5 38.0 57.0

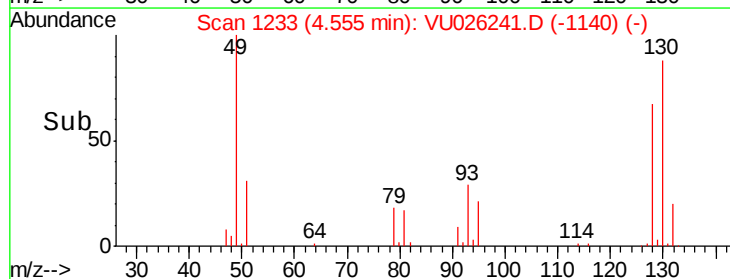
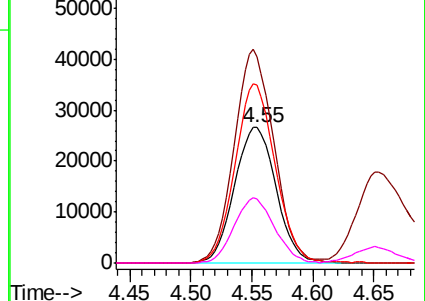


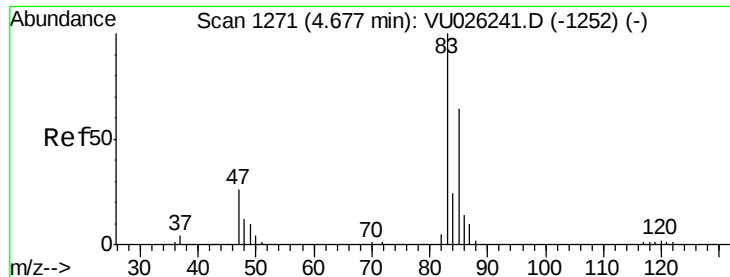
Abundance Ion 128.00 (127.70 to 128.70): VU026241.D (-1216) (-)

Ion 49.00 (48.70 to 49.70): VU026241.D (-1216) (-)

Ion 130.00 (129.70 to 130.70): VU026241.D (-1216) (-)

Ion 51.00 (50.70 to 51.70): VU026241.D (-1216) (-)

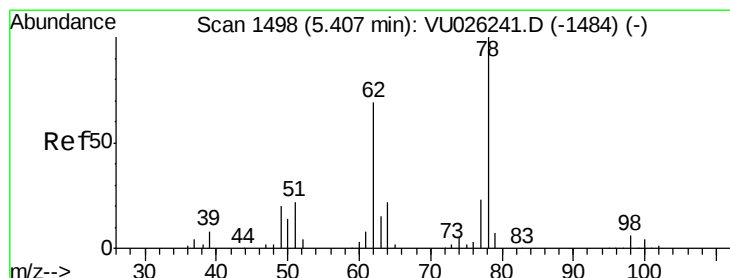
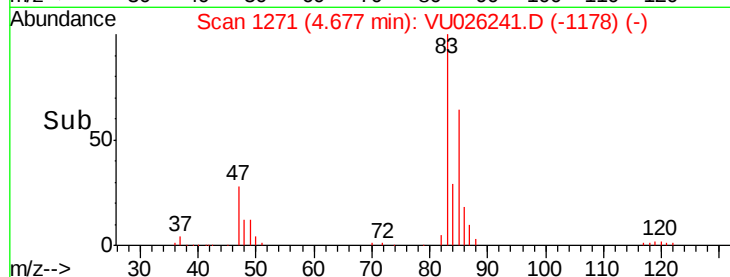
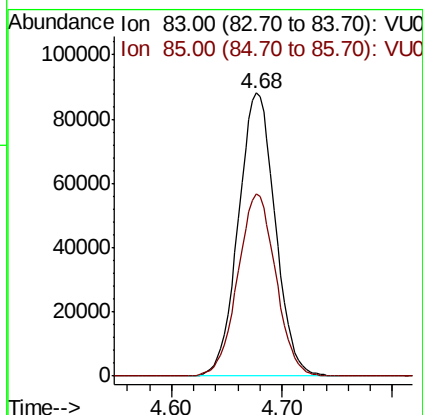
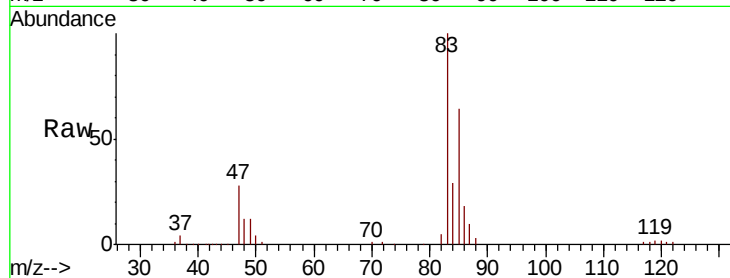




#25
Chloroform
Concen: 51.564 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

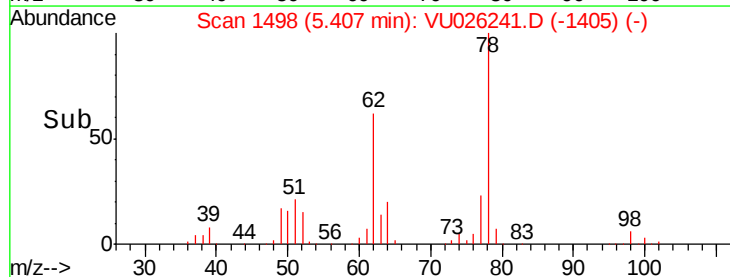
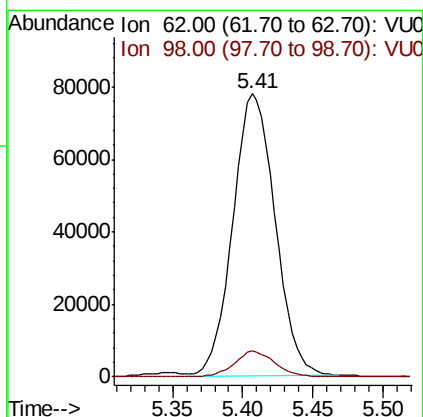
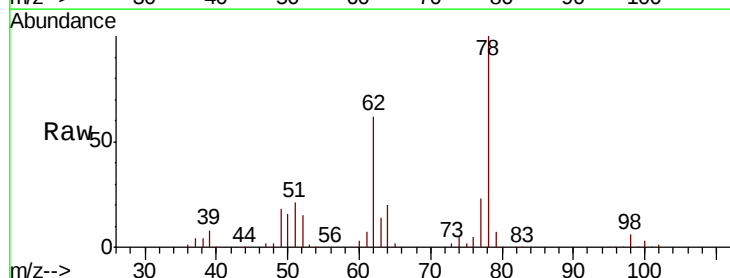
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

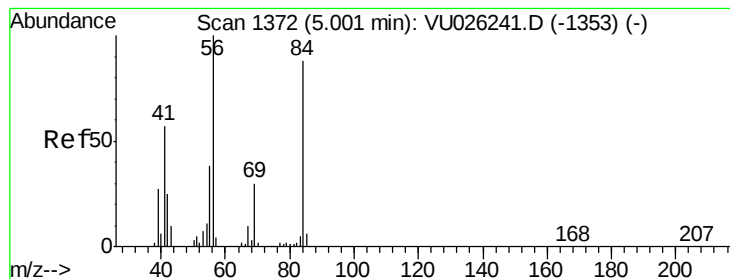
Tgt Ion: 83 Resp: 204008
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 50.376 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

Tgt Ion: 62 Resp: 163561
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 51.152 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

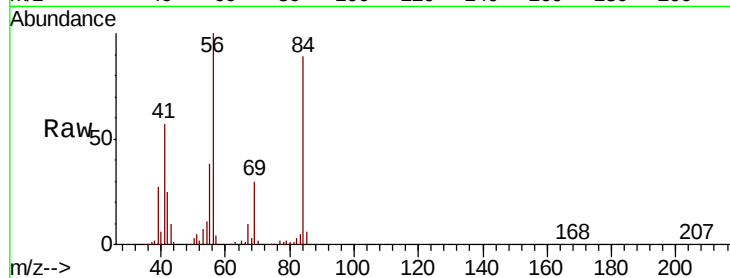
Tgt Ion: 56 Resp: 165835

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

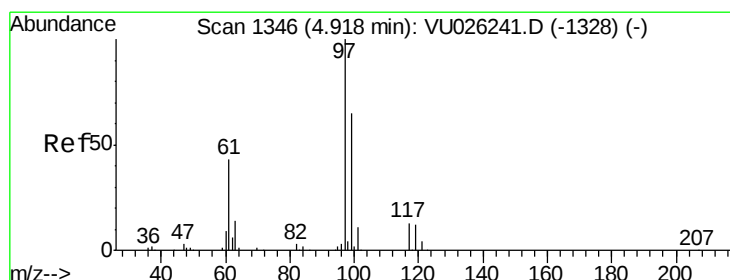
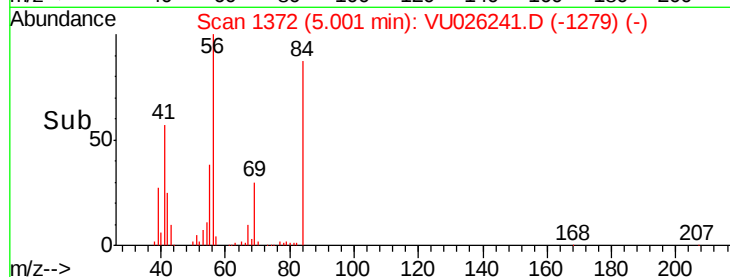
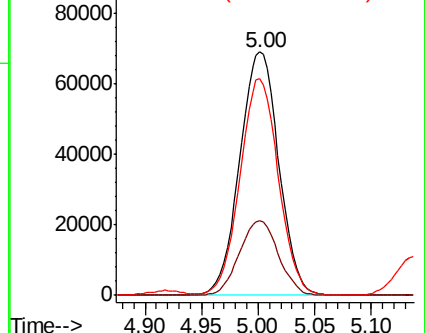
84 87.6 70.1 105.1



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 50.376 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

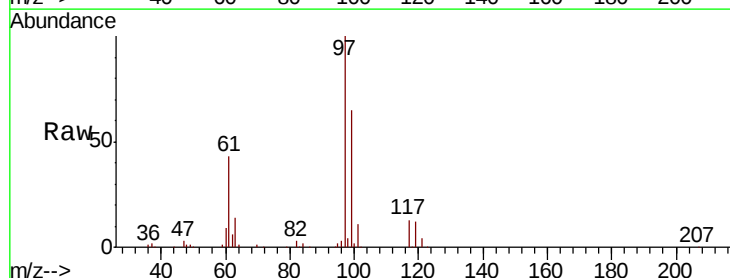
Tgt Ion: 97 Resp: 184868

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

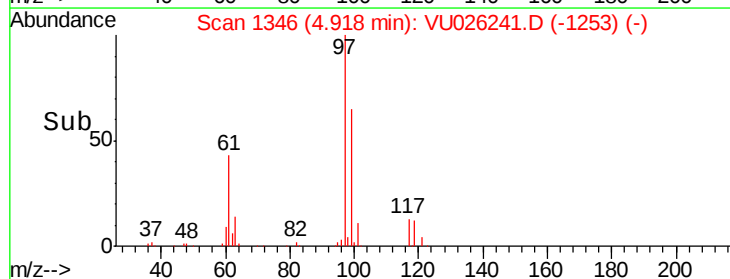
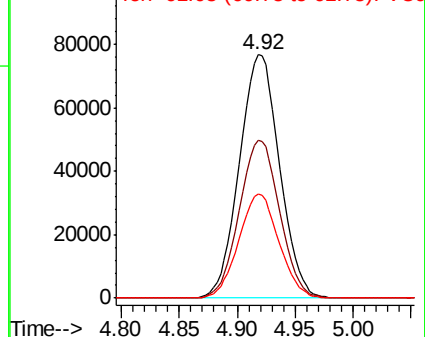
61 42.8 34.2 51.4

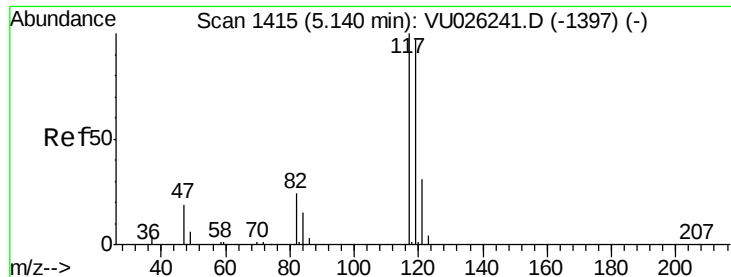


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

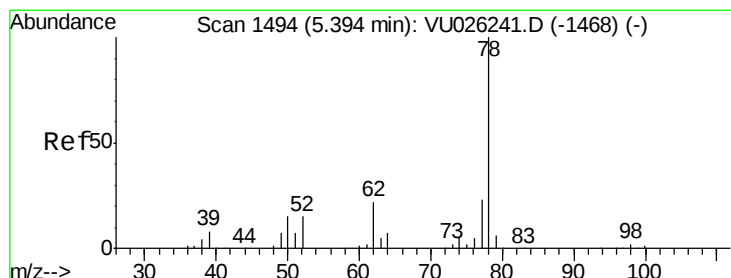
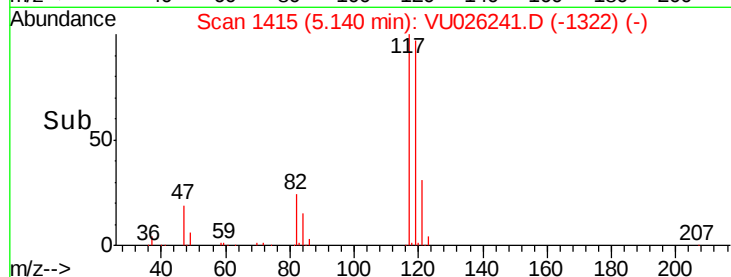
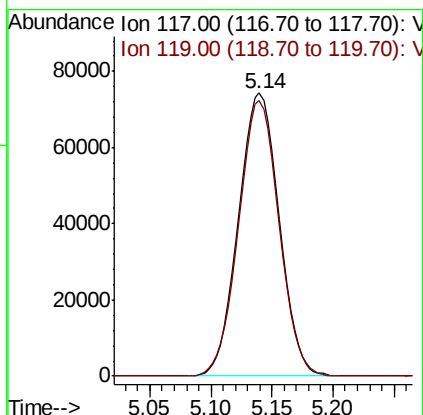
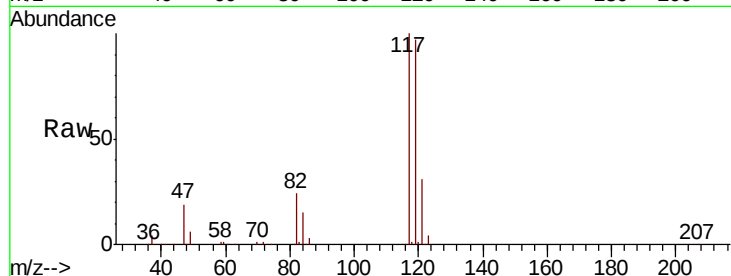




#31
Carbon tetrachloride
Concen: 51.200 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

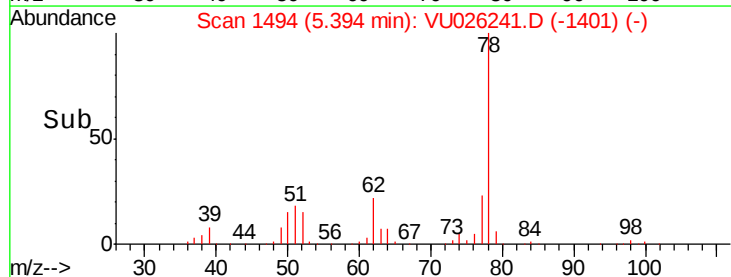
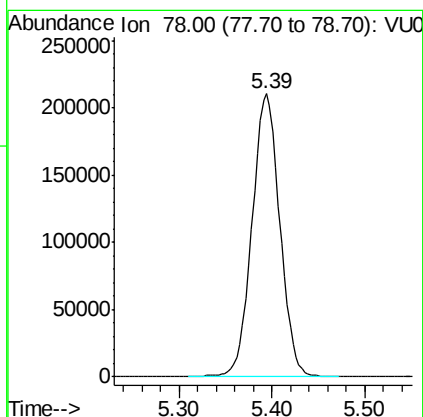
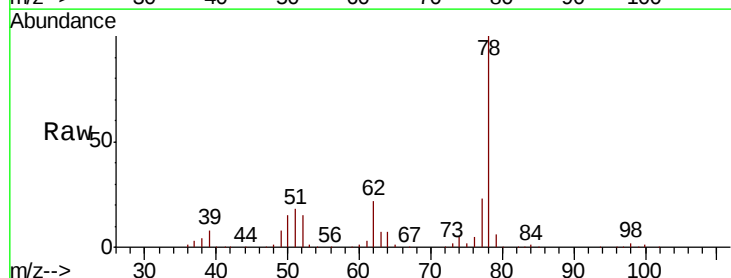
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

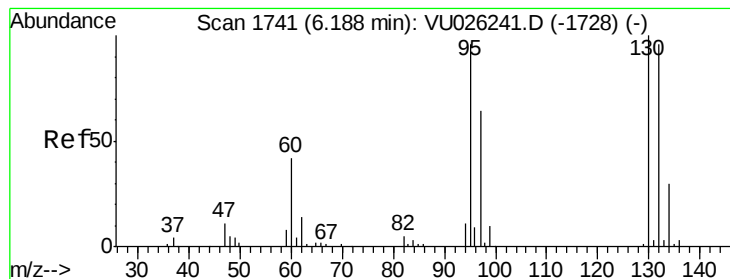
Tgt Ion:117 Resp: 171571
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8



#33
Benzene
Concen: 52.493 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

Tgt Ion: 78 Resp: 437471





#34

Trichloroethene

Concen: 51.083 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 95 Resp: 110677

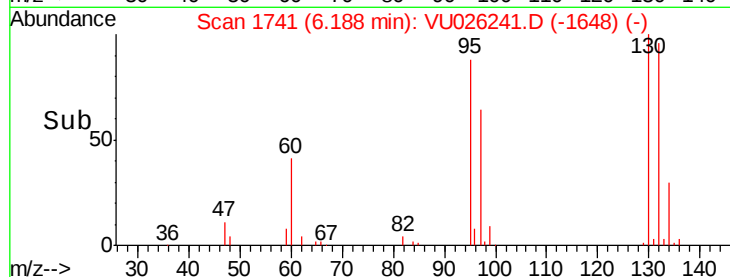
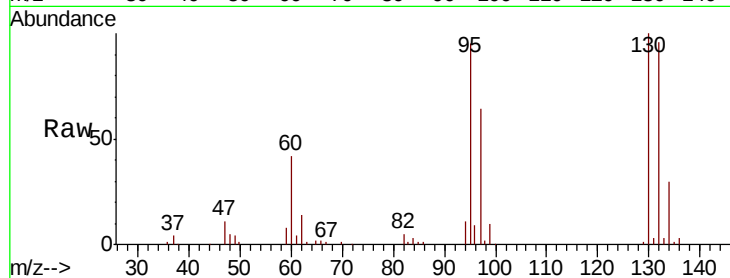
Ion Ratio Lower Upper

95 100

97 67.4 47.2 87.6

132 100.3 70.2 130.4

130 104.9 73.4 136.4

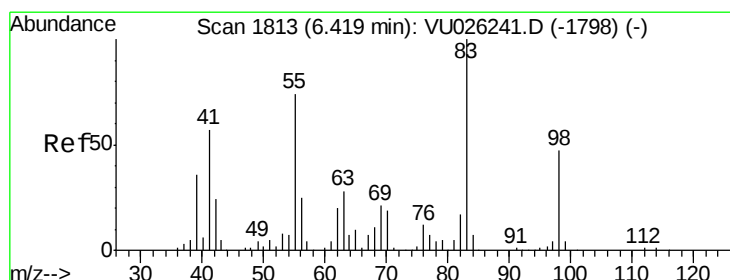
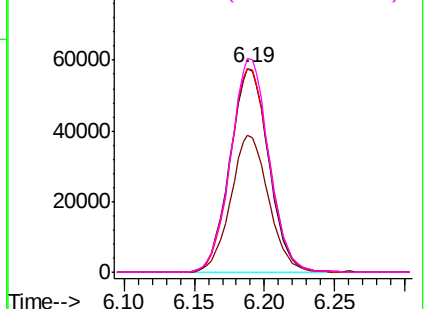


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 53.893 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

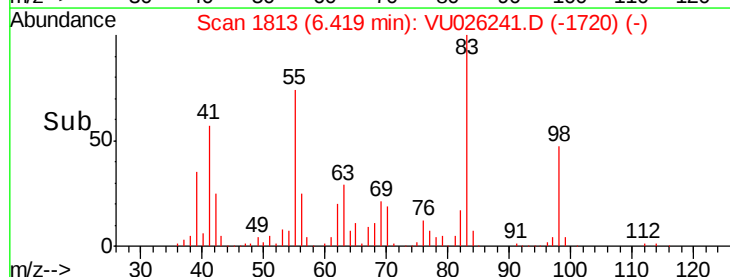
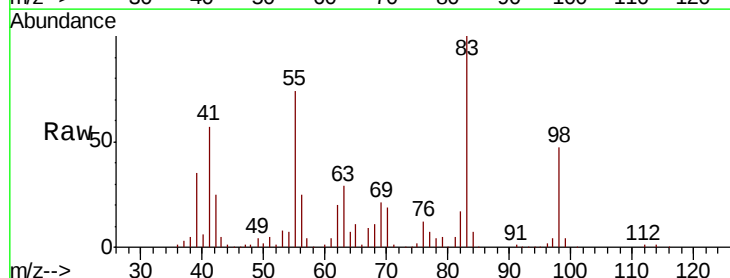
Tgt Ion: 83 Resp: 179700

Ion Ratio Lower Upper

83 100

55 75.8 60.6 91.0

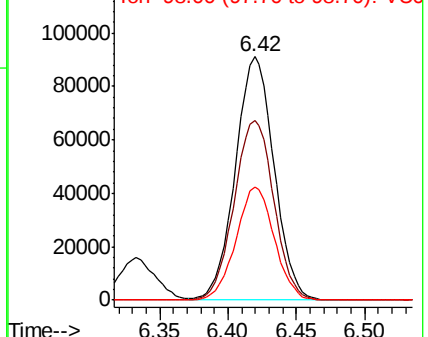
98 46.0 36.8 55.2

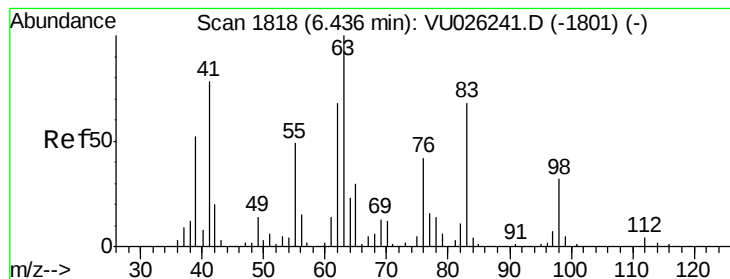


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.078 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

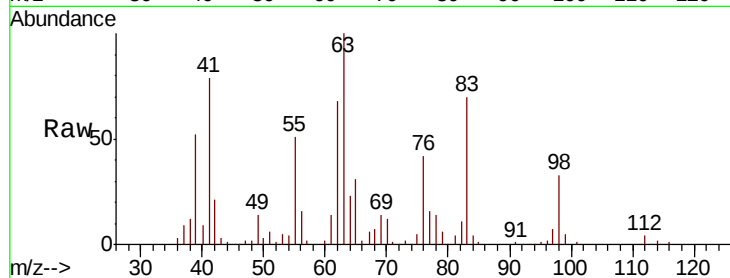
VSTD05042

Tgt Ion: 63 Resp: 118580

Ion Ratio Lower Upper

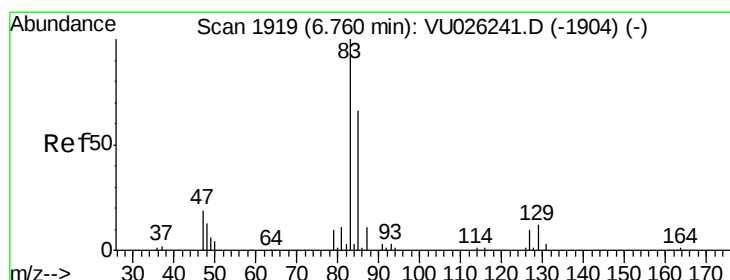
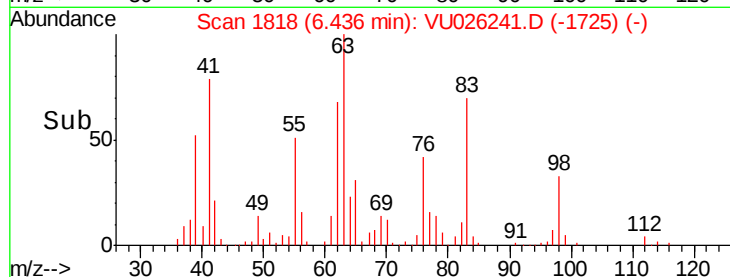
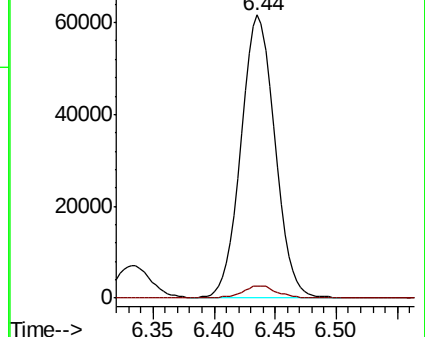
63 100

112 4.3 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VU026241.D (-1801) (-)

Ion 112.00 (111.70 to 112.70): VU026241.D (-1801) (-)



#38

Bromodichloromethane

Concen: 51.797 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

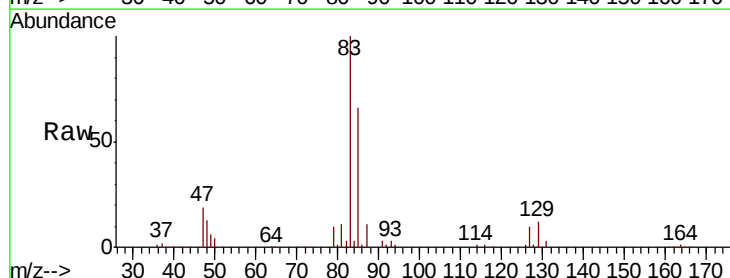
Tgt Ion: 83 Resp: 156980

Ion Ratio Lower Upper

83 100

85 66.2 46.3 86.1

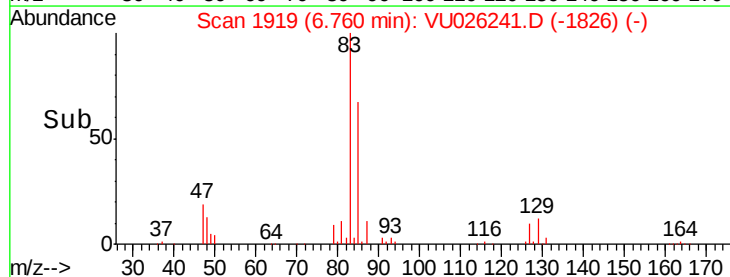
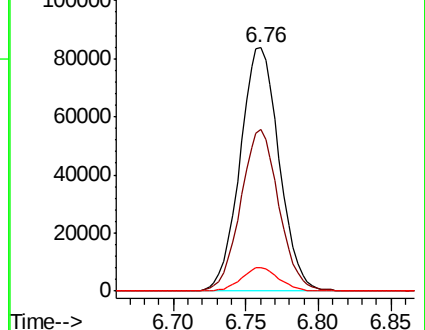
127 9.7 7.8 11.6

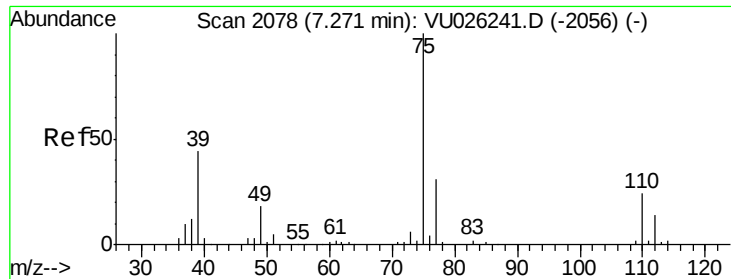


Abundance Ion 83.00 (82.70 to 83.70): VU026241.D (-1904) (-)

Ion 85.00 (84.70 to 85.70): VU026241.D (-1904) (-)

Ion 127.00 (126.70 to 127.70): VU026241.D (-1904) (-)

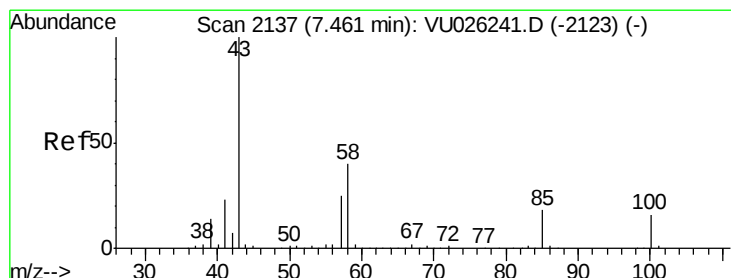
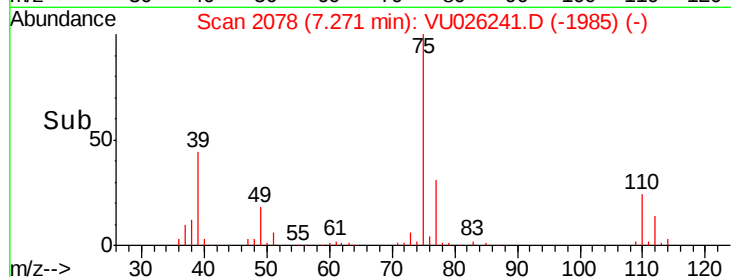
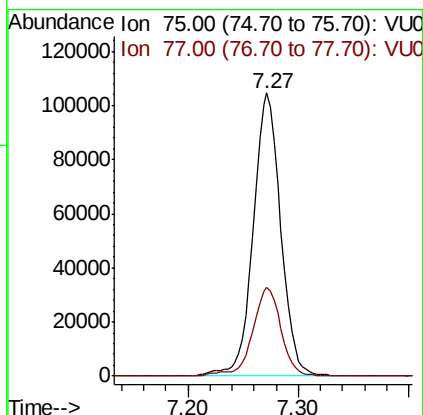
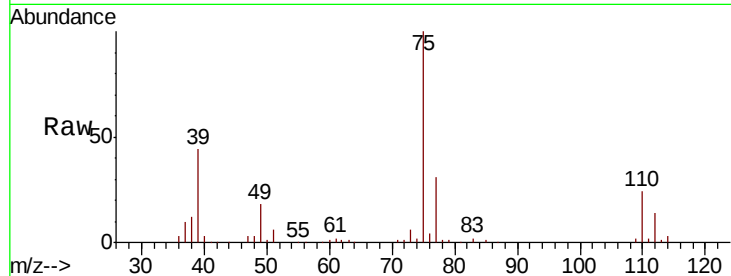




#39
 cis-1,3-Dichloropropene
 Concen: 52.778 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026241.D
 Acq: 22 Aug 2018 12:05

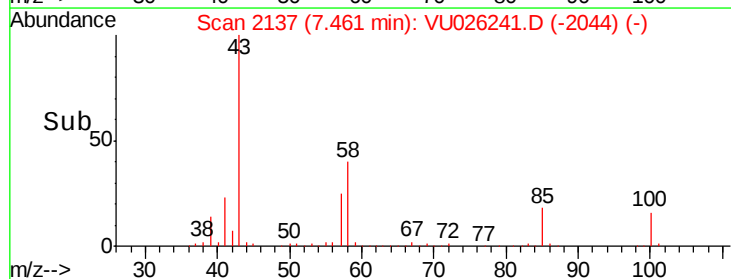
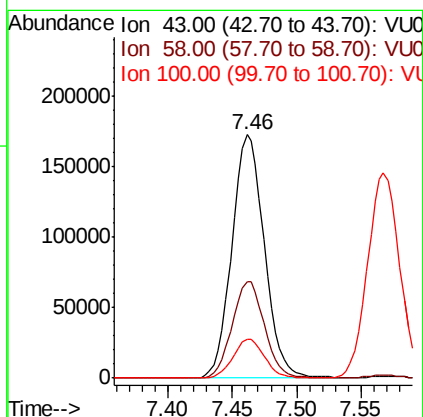
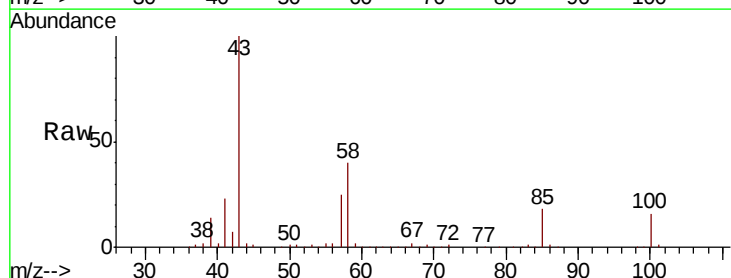
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

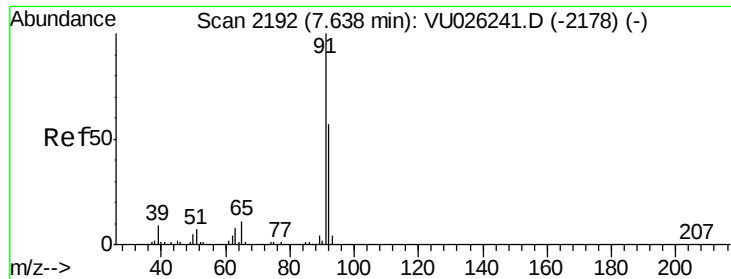
Tgt Ion: 75 Resp: 180812
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 98.383 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026241.D
 Acq: 22 Aug 2018 12:05

Tgt Ion: 43 Resp: 301889
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.6 47.4
 100 15.4 12.3 18.5





#42

Toluene

Concen: 53.327 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

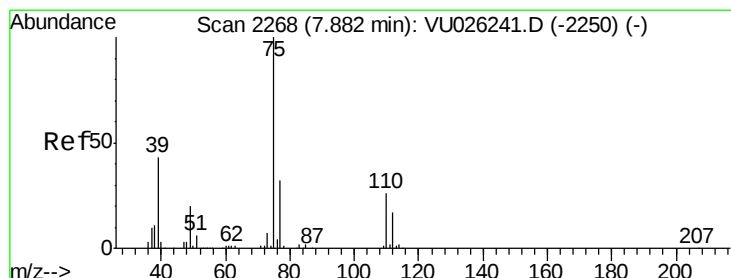
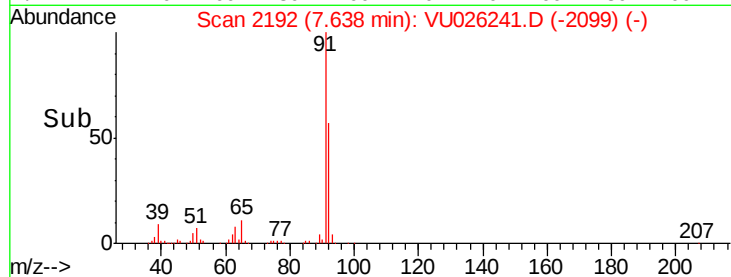
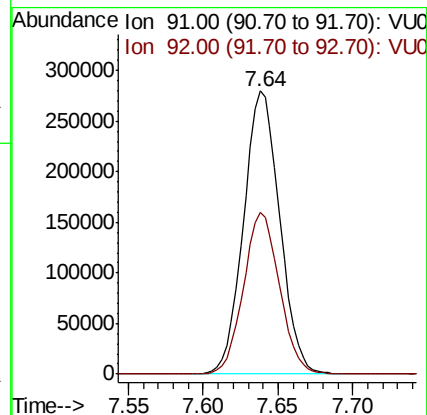
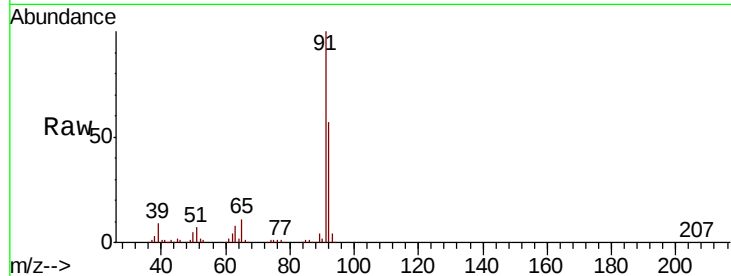
VSTD05042

Tgt Ion: 91 Resp: 471266

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 53.006 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026241.D

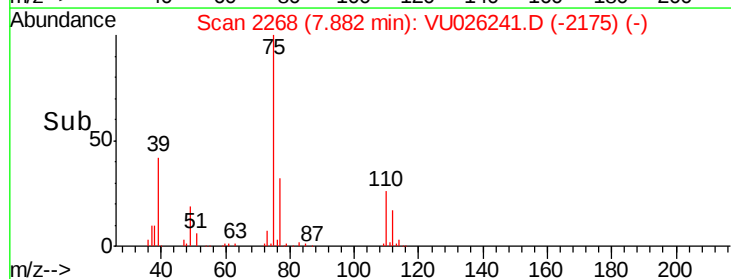
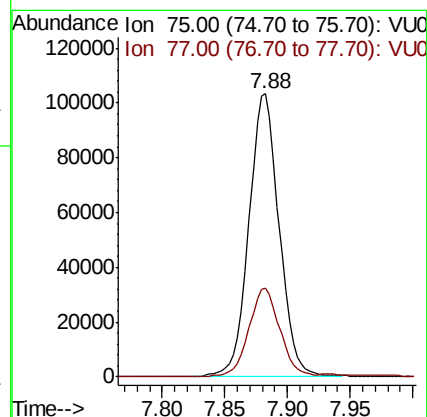
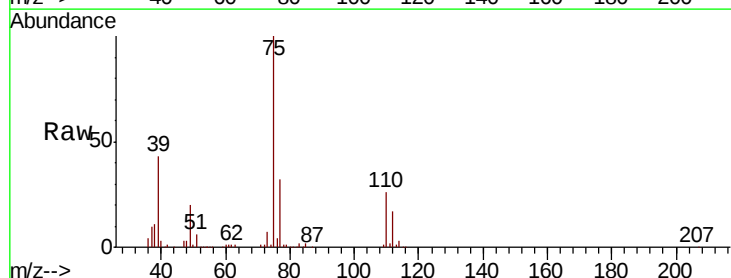
Acq: 22 Aug 2018 12:05

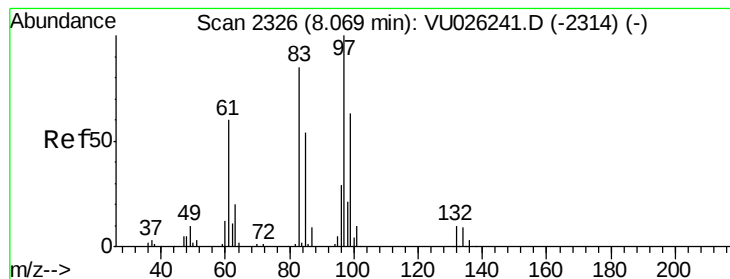
Tgt Ion: 75 Resp: 174042

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 52.017 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 97 Resp: 112427

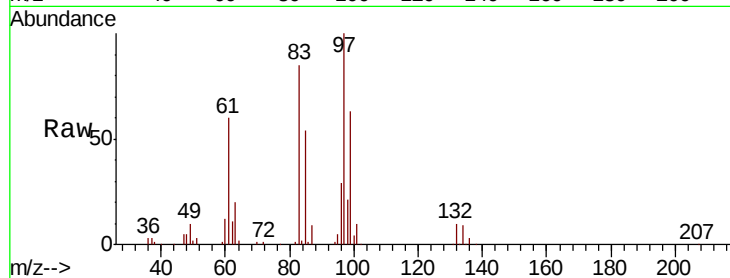
Ion Ratio Lower Upper

97 100

99 62.8 44.0 81.6

83 84.6 59.2 110.0

85 54.3 38.0 70.6

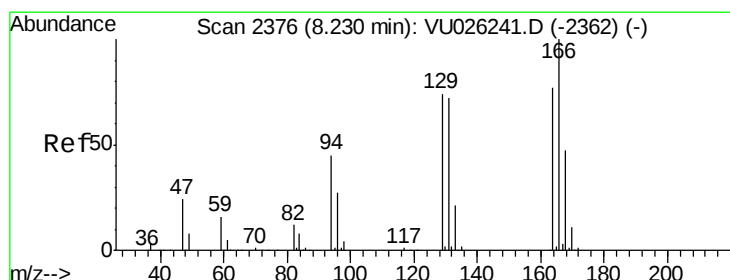
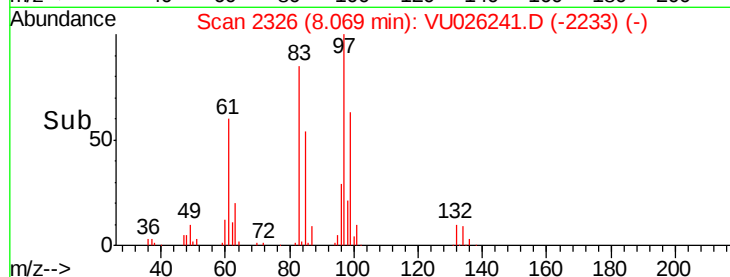
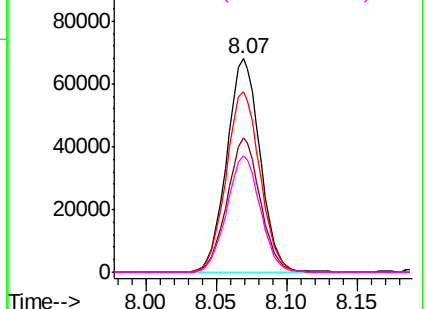


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 51.272 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Tgt Ion: 164 Resp: 94777

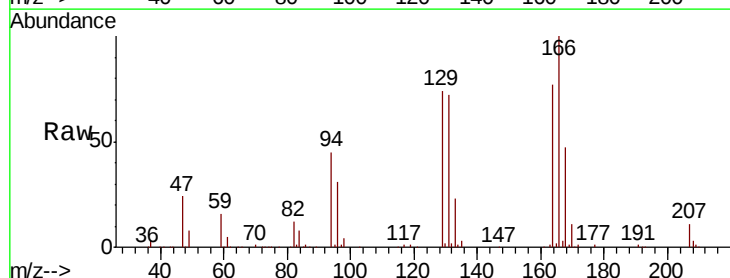
Ion Ratio Lower Upper

164 100

129 96.1 67.3 124.9

131 93.6 65.5 121.7

166 129.9 90.9 168.9

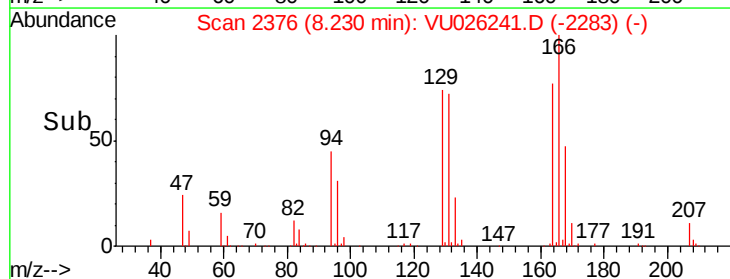
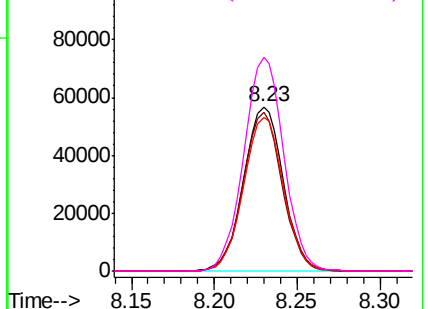


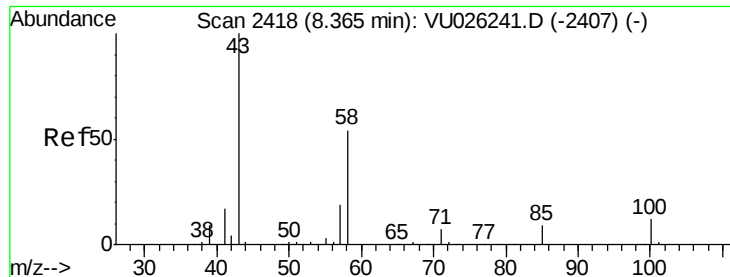
Abundance Ion 164.00 (163.70 to 164.70): V

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

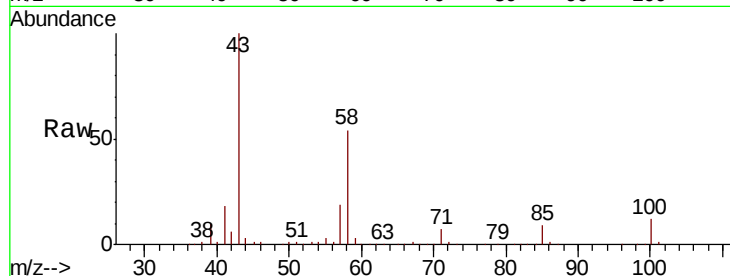




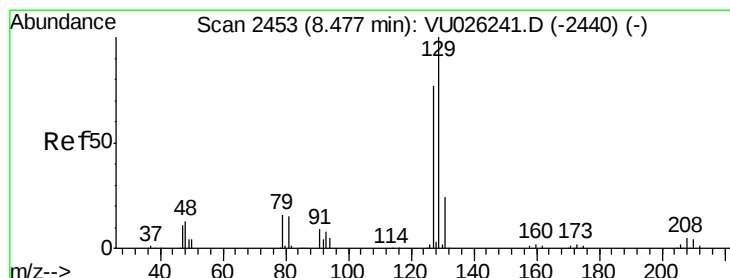
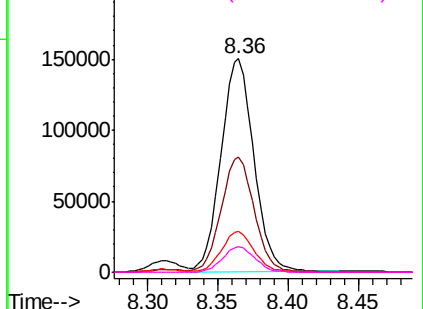
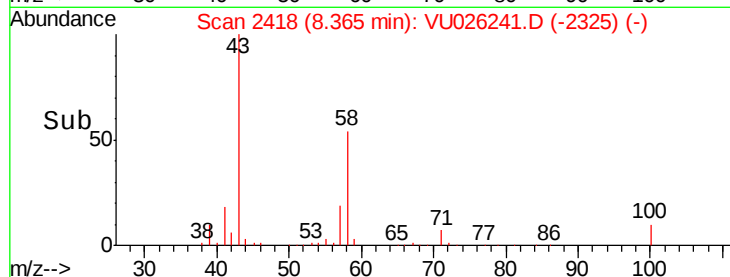
#48
2-Hexanone
Concen: 101.393 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 43 Resp: 244237
Ion Ratio Lower Upper
43 100
58 53.2 42.6 63.8
57 18.9 15.1 22.7
100 11.9 9.5 14.3

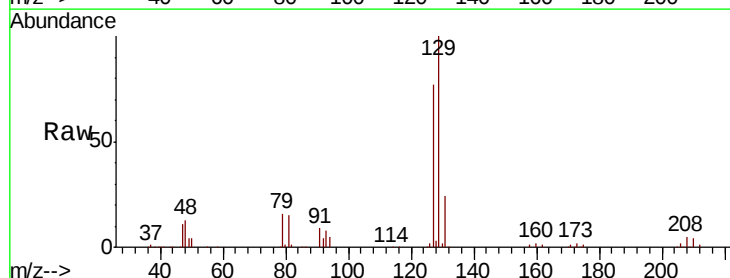


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

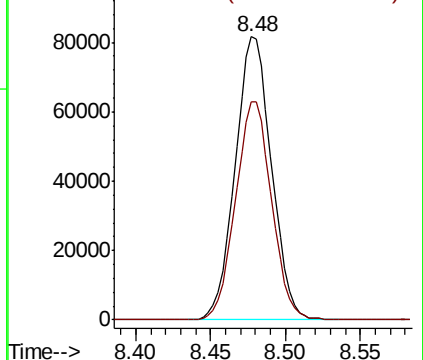
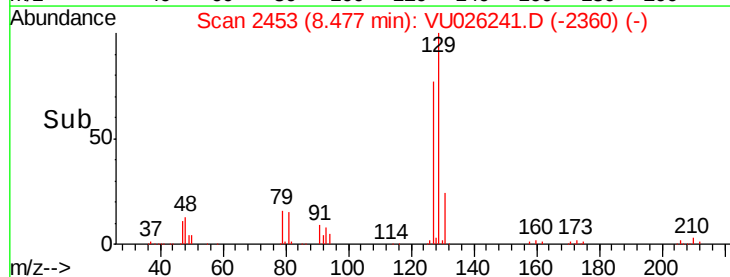


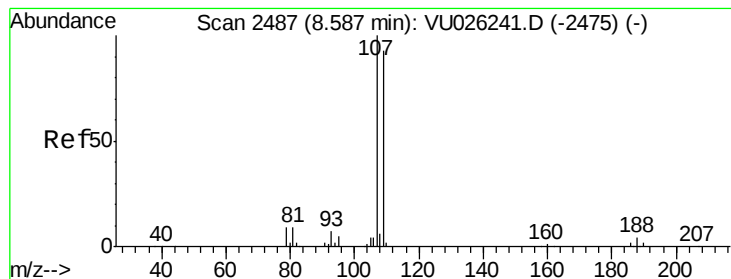
#49
Dibromochloromethane
Concen: 52.678 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

Tgt Ion: 129 Resp: 137800
Ion Ratio Lower Upper
129 100
127 76.9 53.8 100.0



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





#50

1,2-Dibromoethane

Concen: 51.828 ug/L

RT: 8.59 min Scan# 2487

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

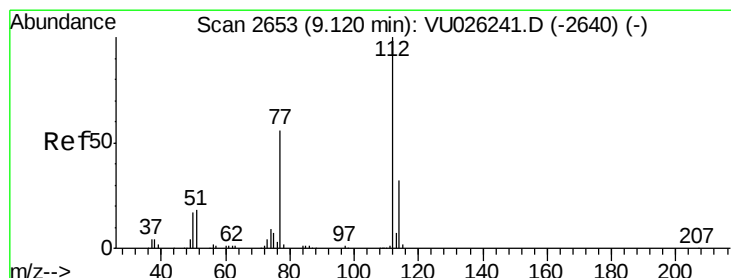
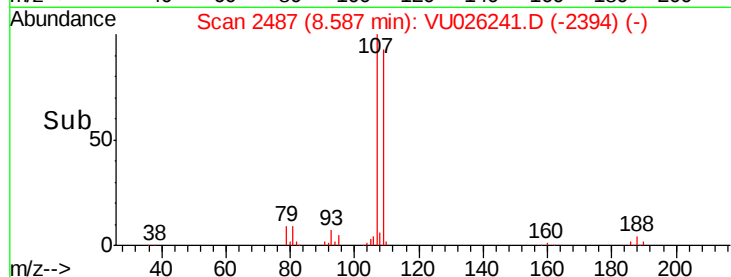
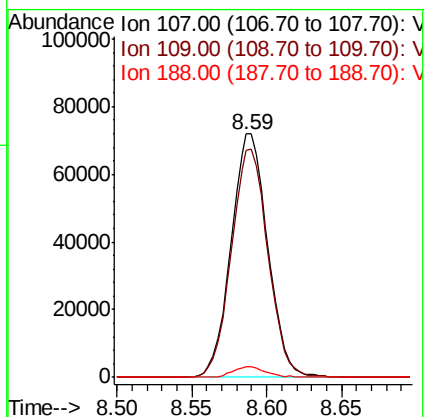
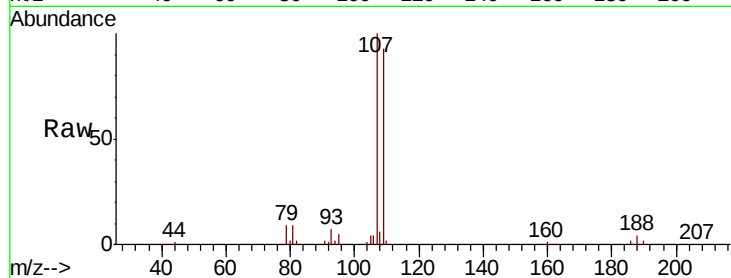
Tgt Ion:107 Resp: 122461

Ion Ratio Lower Upper

107 100

109 93.1 65.2 121.0

188 4.3 3.4 5.2



#51

Chlorobenzene

Concen: 52.008 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

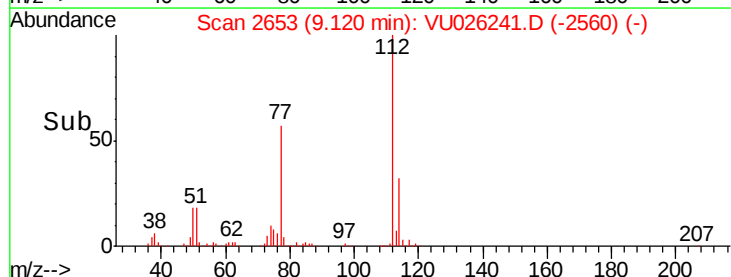
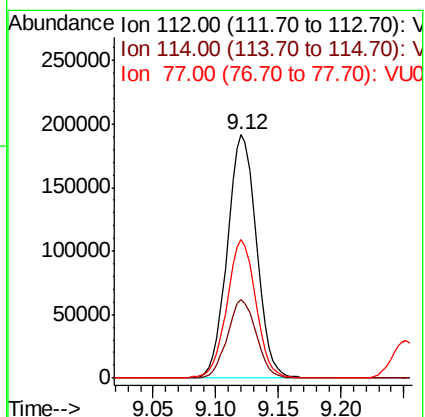
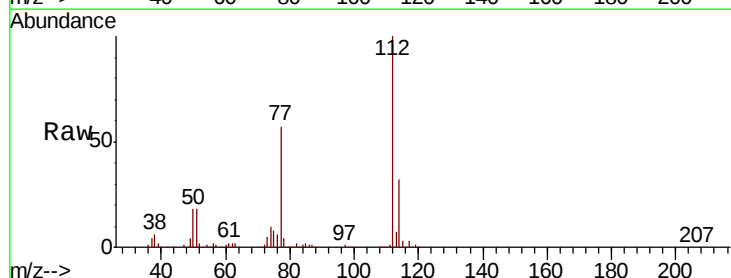
Tgt Ion:112 Resp: 309003

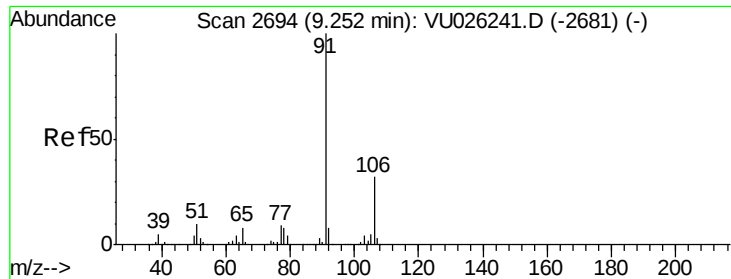
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.9

77 56.8 45.4 68.2





#52

Ethylbenzene

Concen: 52.922 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

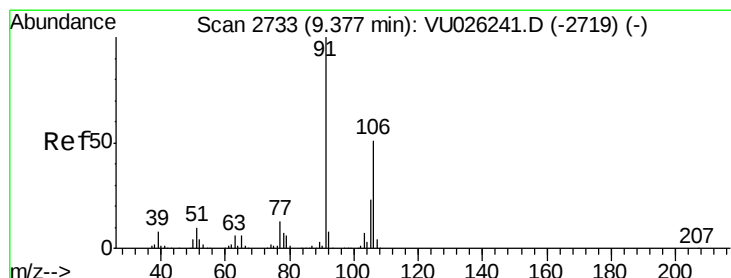
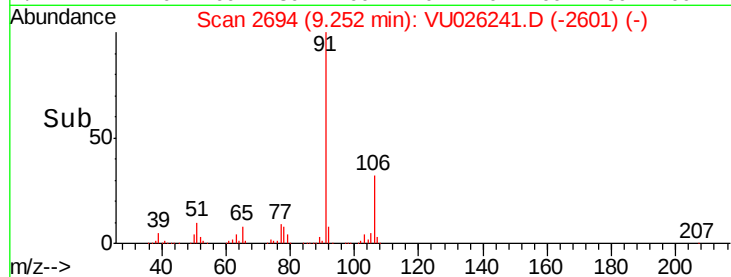
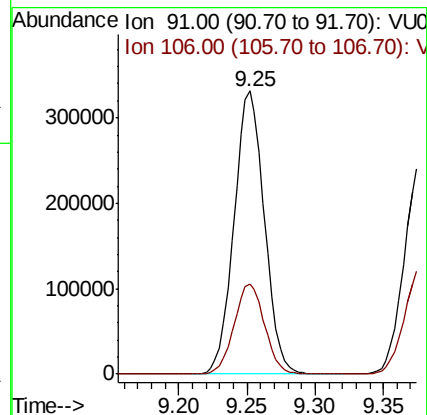
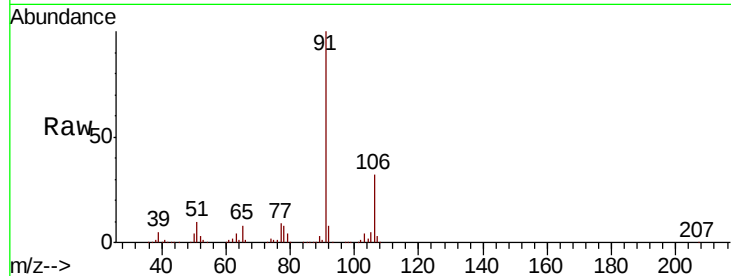
VSTD05042

Tgt Ion: 91 Resp: 510934

Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



#53

m,p-Xylene

Concen: 54.460 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026241.D

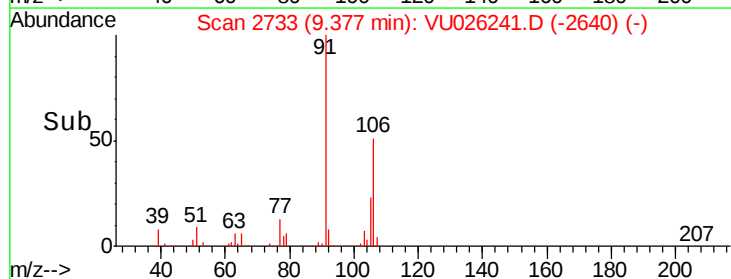
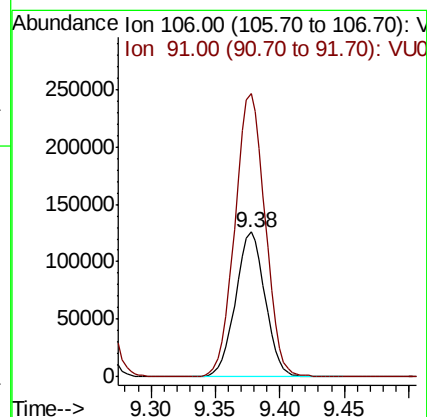
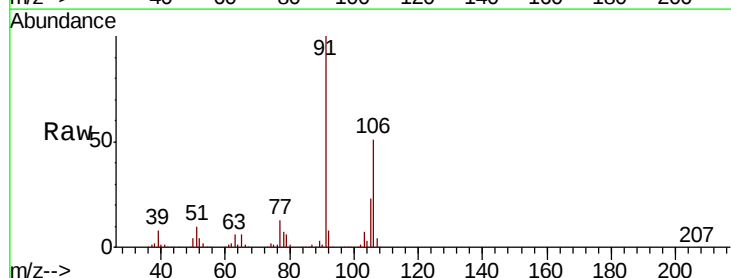
Acq: 22 Aug 2018 12:05

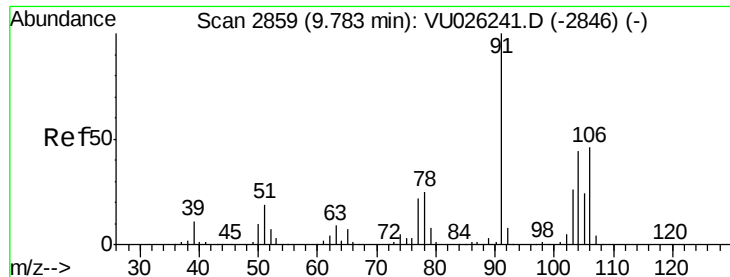
Tgt Ion: 106 Resp: 201504

Ion Ratio Lower Upper

106 100

91 195.2 136.6 253.8

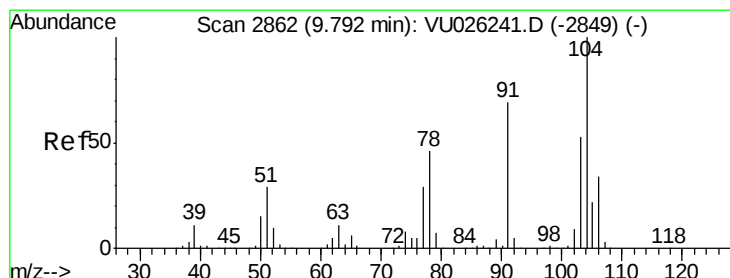
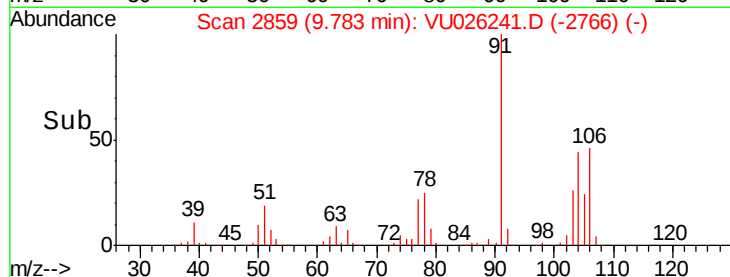
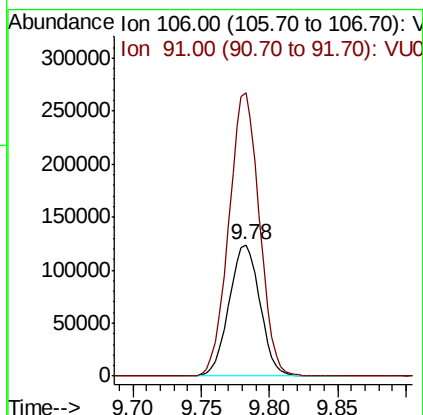
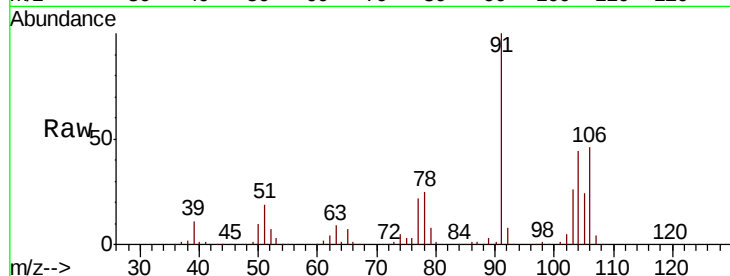




#54
o-xylene
Concen: 53.295 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

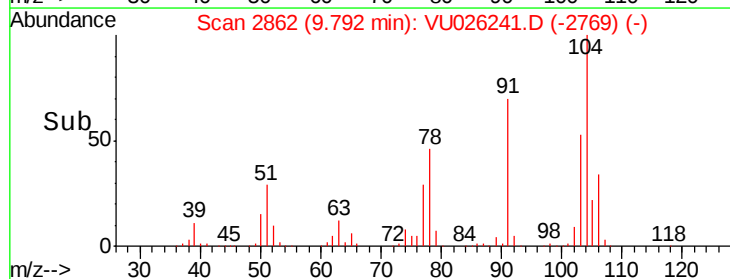
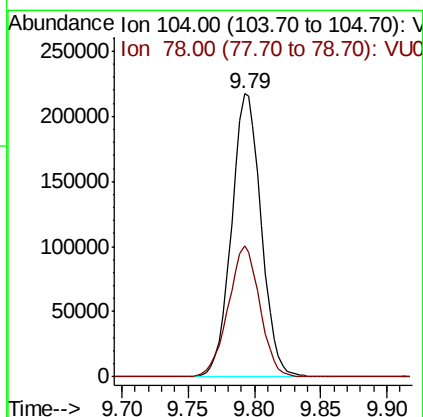
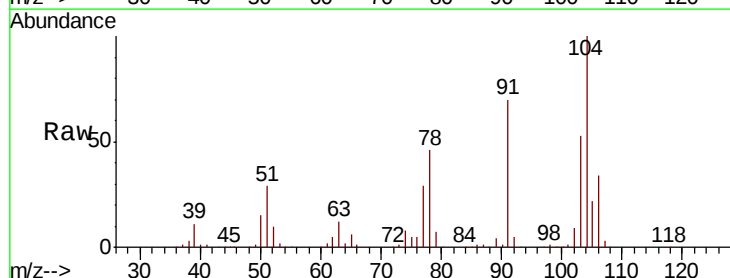
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

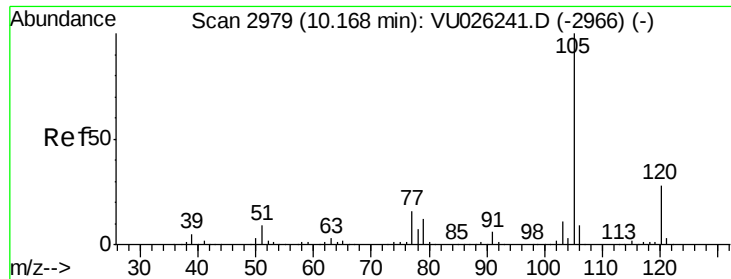
Tgt Ion:106 Resp: 195020
Ion Ratio Lower Upper
106 100
91 216.0 151.2 280.8



#55
Styrene
Concen: 55.118 ug/L
RT: 9.79 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU026241.D
Acq: 22 Aug 2018 12:05

Tgt Ion:104 Resp: 337590
Ion Ratio Lower Upper
104 100
78 46.2 32.3 60.1





#56

Isopropylbenzene

Concen: 53.440 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

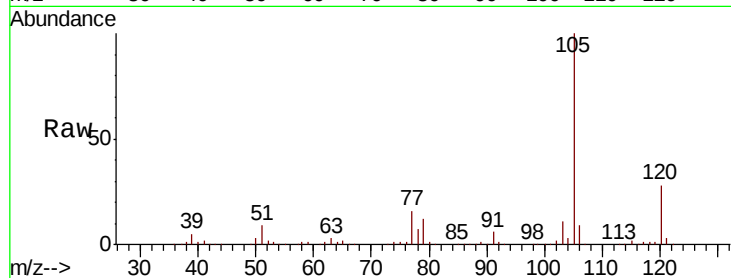
Tgt Ion: 105 Resp: 502501

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

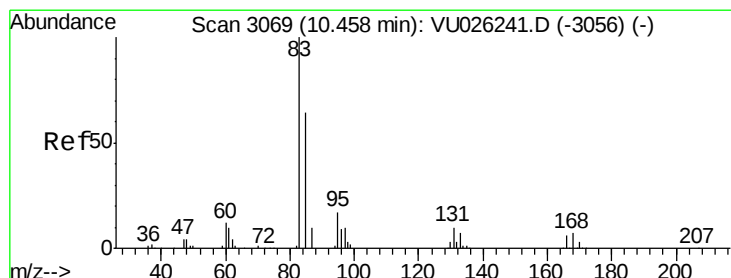
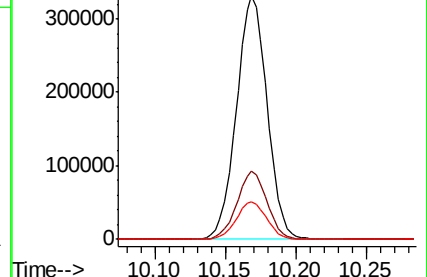
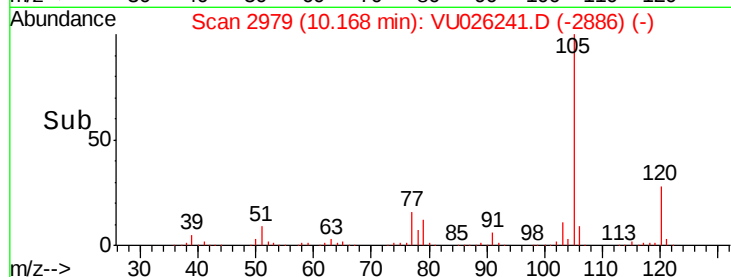
77 15.5 12.4 18.6



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: 51.274 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

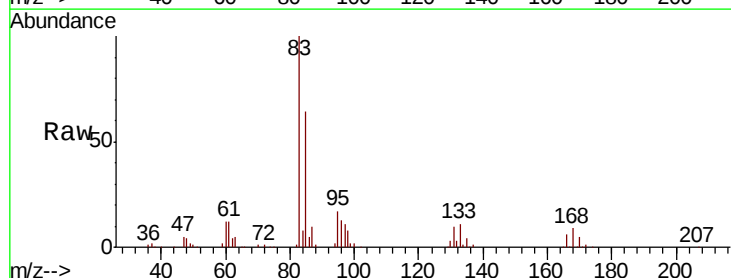
Tgt Ion: 83 Resp: 188283

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

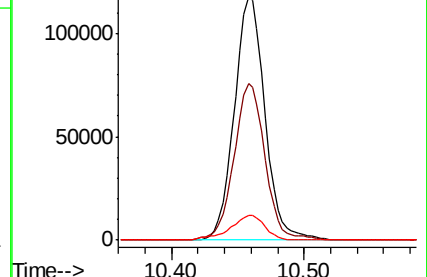
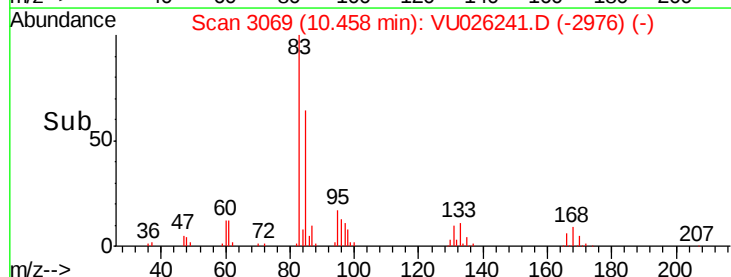
131 10.2 8.2 12.2

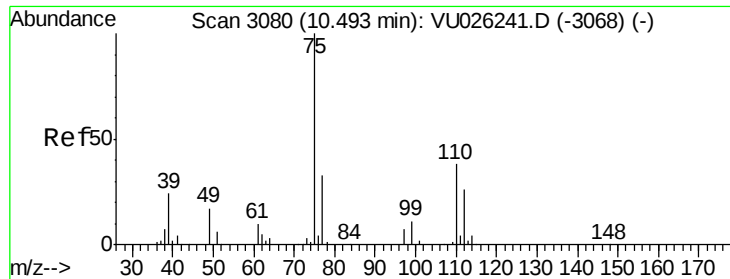


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.333 ug/L

RT: 10.49 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

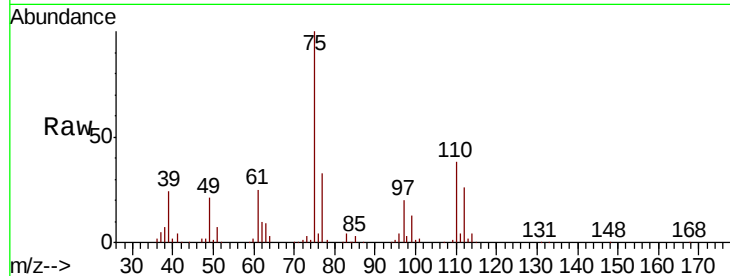
VSTD05042

Tgt Ion: 75 Resp: 146479

Ion Ratio Lower Upper

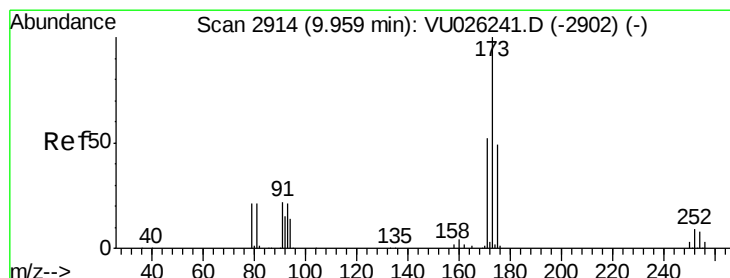
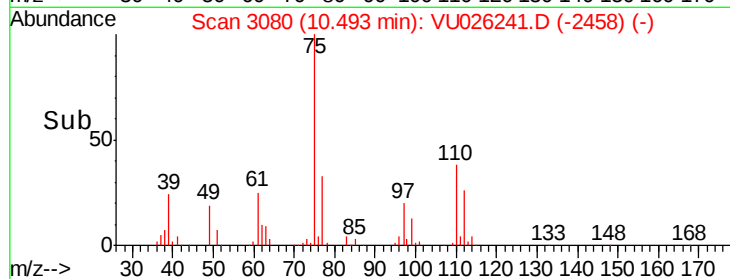
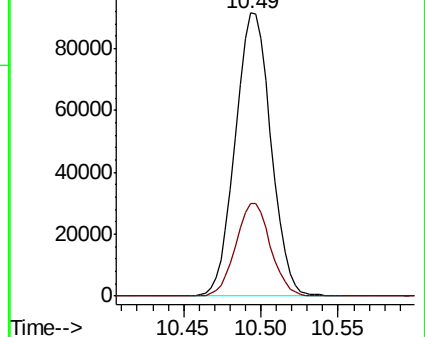
75 100

77 31.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU026241.D (-3068) (-)

Ion 77.00 (76.70 to 77.70): VU026241.D (-3068) (-)



#61

Bromoform

Concen: 50.128 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

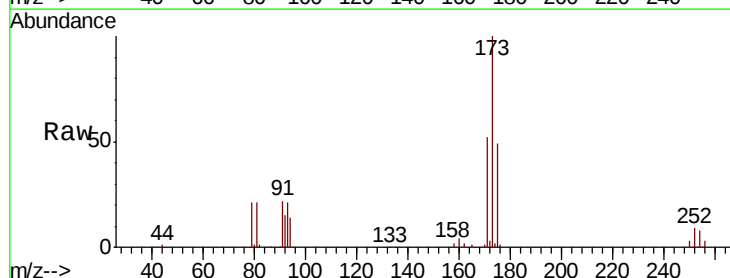
Tgt Ion: 173 Resp: 104665

Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.2

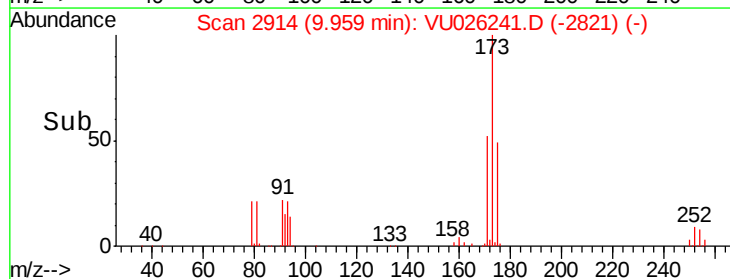
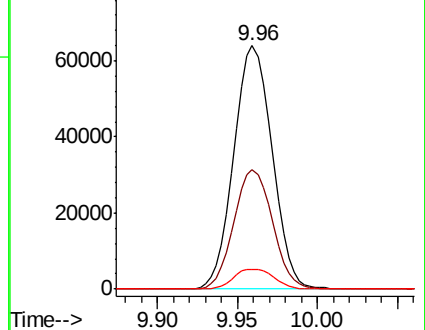
254 8.7 7.0 10.4

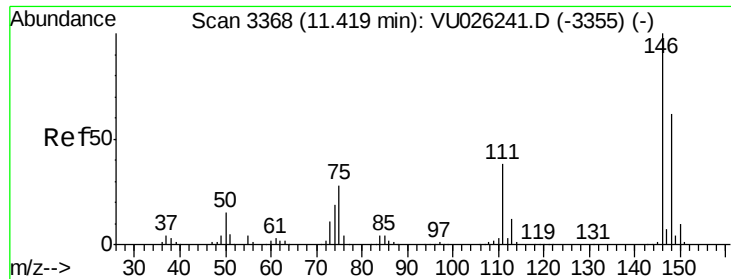


Abundance Ion 173.00 (172.70 to 173.70): VU026241.D (-2902) (-)

Ion 175.00 (174.70 to 175.70): VU026241.D (-2902) (-)

Ion 254.00 (253.70 to 254.70): VU026241.D (-2902) (-)





#62

1,3-Dichlorobenzene

Concen: 50.890 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

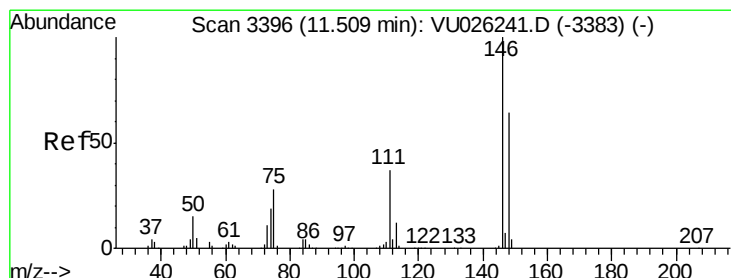
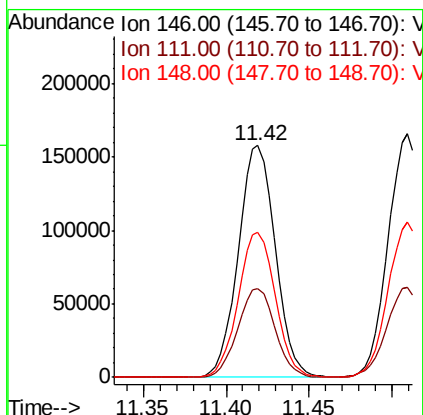
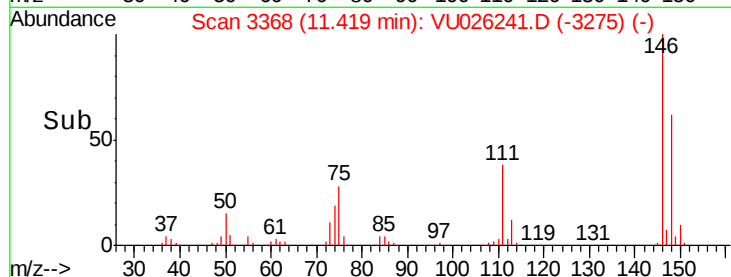
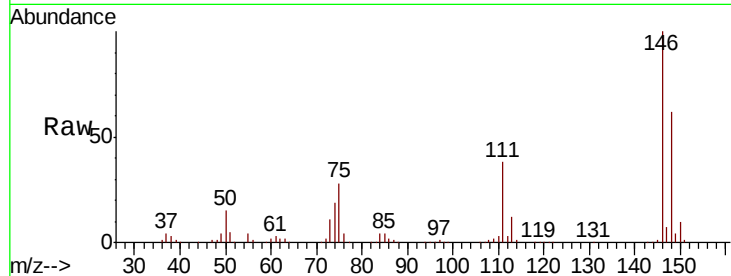
Tgt Ion:146 Resp: 245215

Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

148 62.4 43.7 81.1



#63

1,4-Dichlorobenzene

Concen: 49.947 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

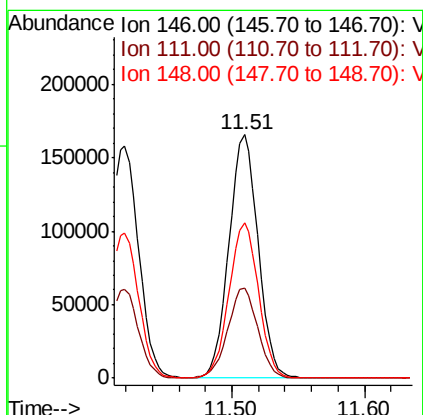
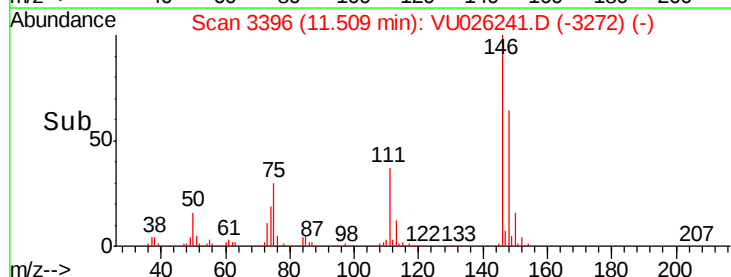
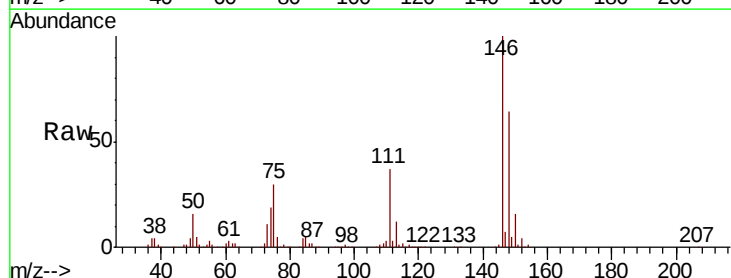
Tgt Ion:146 Resp: 252175

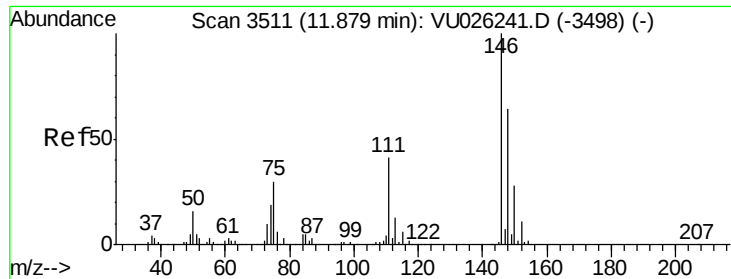
Ion Ratio Lower Upper

146 100

111 37.0 25.9 48.1

148 63.6 44.5 82.7

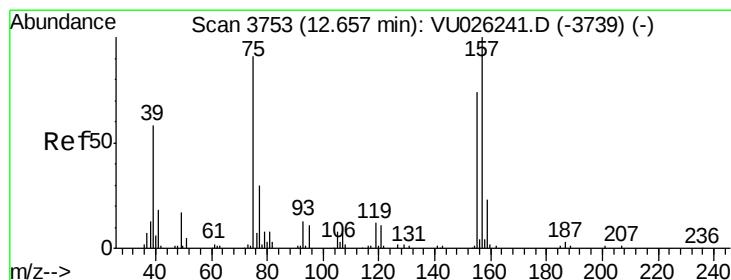
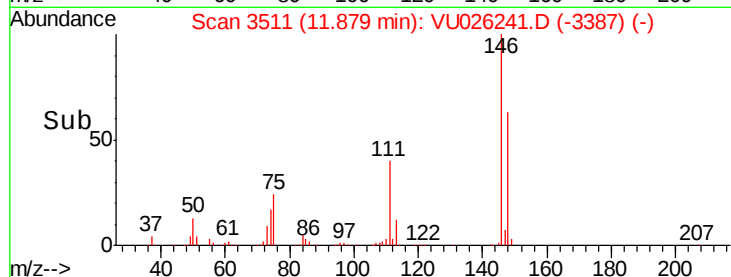
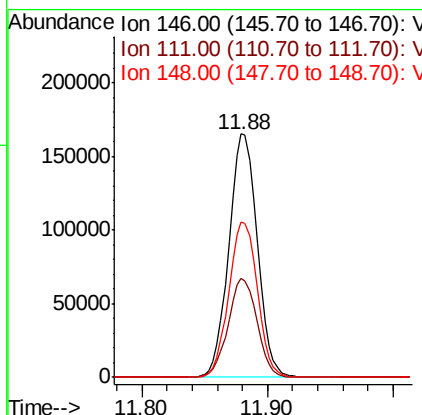
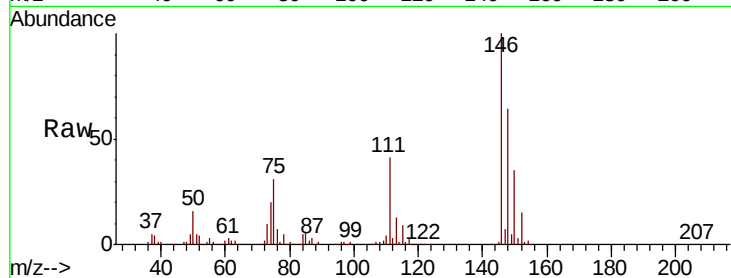




#65
 1,2-Dichlorobenzene
 Concen: 50.680 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. 0.00 min
 Lab File: VU026241.D
 Acq: 22 Aug 2018 12:05

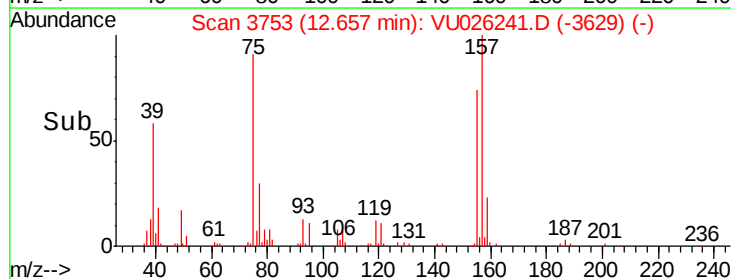
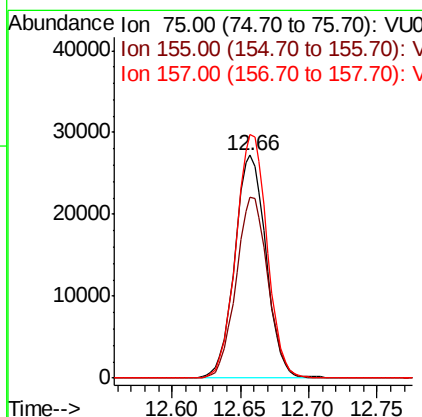
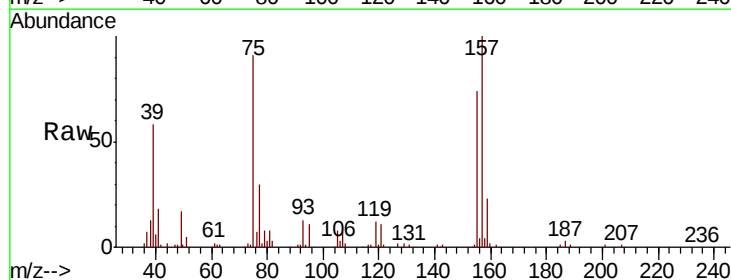
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

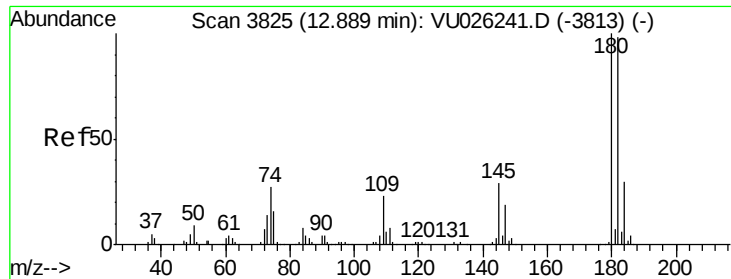
Tgt Ion: 146 Resp: 259376
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.6 48.8
 148 63.7 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.610 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026241.D
 Acq: 22 Aug 2018 12:05

Tgt Ion: 75 Resp: 43400
 Ion Ratio Lower Upper
 75 100
 155 81.3 65.0 97.6
 157 109.4 87.5 131.3

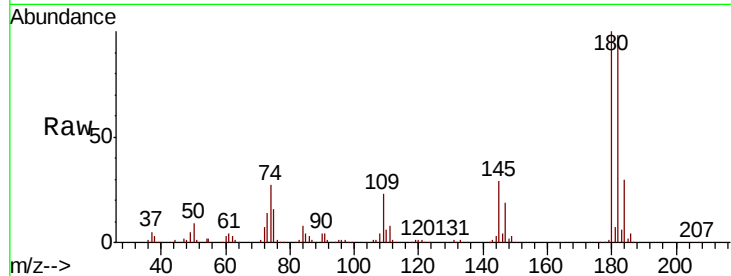




#67
 1,3,5-Trichlorobenzene
 Concen: 52.897 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026241.D
 Acq: 22 Aug 2018 12:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.9	116.9
184	30.3	24.2	36.4
145	29.3	23.4	35.2



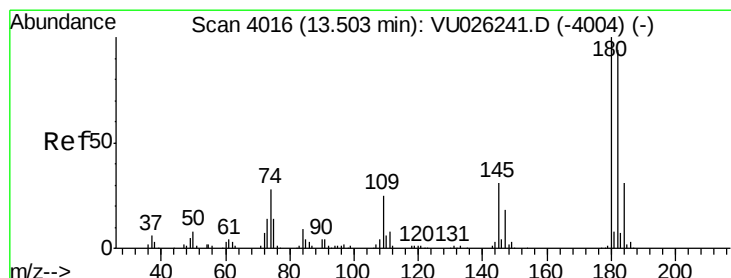
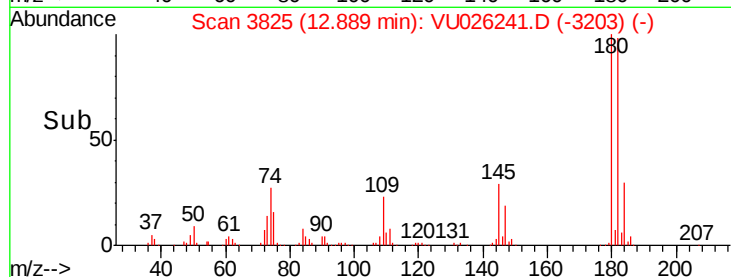
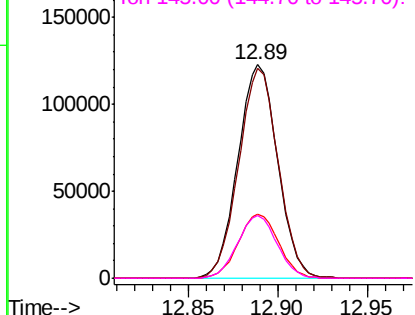
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

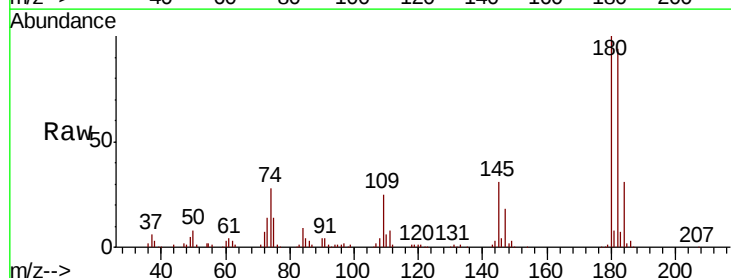
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.992 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. 0.00 min
 Lab File: VU026241.D
 Acq: 22 Aug 2018 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	29.8	23.8	35.8

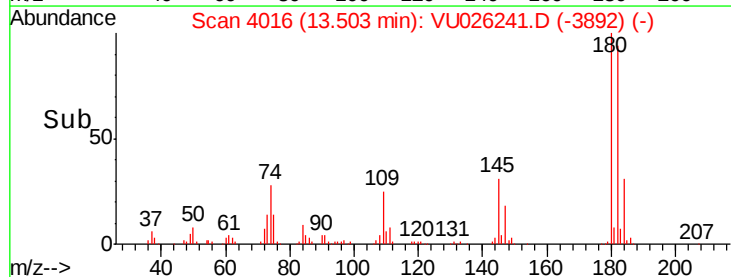
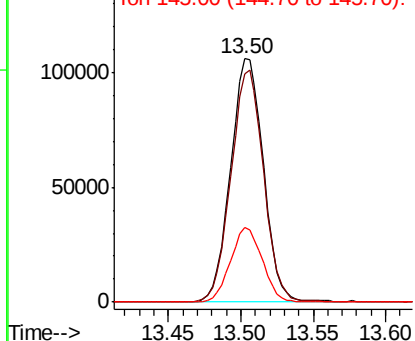


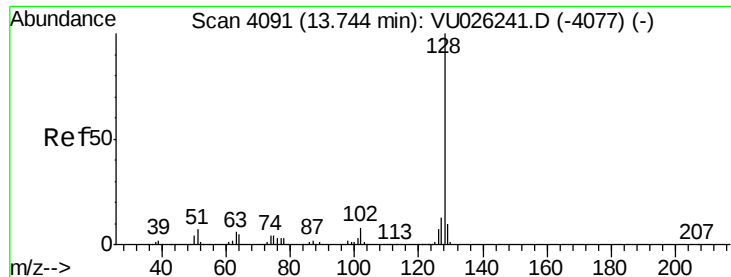
Abundance

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: 54.403 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

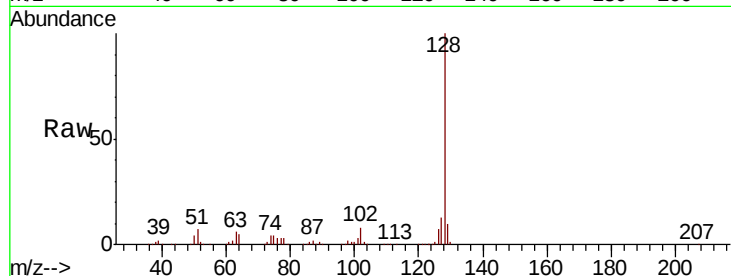
Tgt Ion:128 Resp: 534612

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

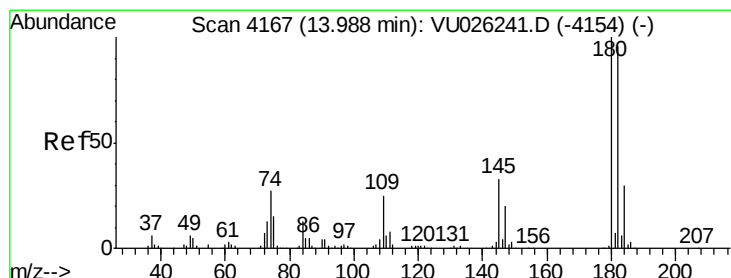
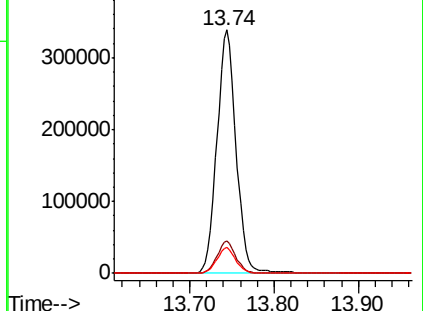
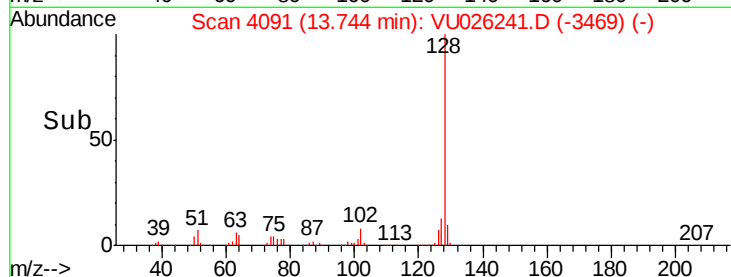
129 10.5 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.743 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026241.D

Acq: 22 Aug 2018 12:05

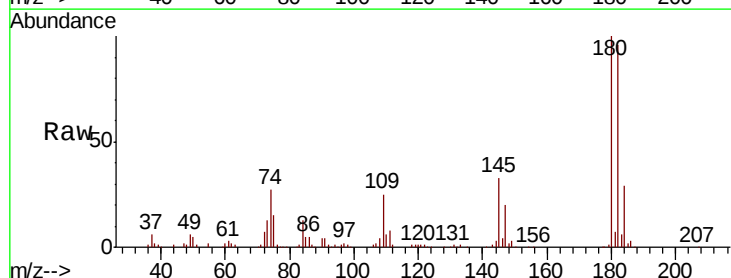
Tgt Ion:180 Resp: 180766

Ion Ratio Lower Upper

180 100

182 97.0 77.6 116.4

145 32.7 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

