

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026243.D
 Acq On : 22 Aug 2018 12:52
 Operator : MD/SY
 Sample : VSTD20044
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

Quant Time: Aug 23 04:42:06 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	327967	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	320109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187327	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	394086	169.67	ug/L	0.00
7) Chloroethane-d5	1.66	69	316241	170.76	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	771661	174.93	ug/L	0.00
21) 2-Butanone-d5	4.18	46	658160	342.15	ug/L	0.00
24) Chloroform-d	4.65	84	876896	176.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	558414	167.16	ug/L	0.00
32) Benzene-d6	5.35	84	1702696	175.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	540006	172.89	ug/L	0.00
41) Toluene-d8	7.57	98	1664947	179.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	295280	186.20	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	537616	382.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	833481	182.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	754823	168.11	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	518212	182.297	ug/L	100
3) Chloromethane	1.33	50	483817	188.464	ug/L	98
5) Vinyl chloride	1.40	62	475961	192.808	ug/L	97
6) Bromomethane	1.61	94	286263	210.840	ug/L	100
8) Chloroethane	1.69	64	273968	184.400	ug/L	100
9) Trichlorofluoromethane	1.88	101	682138	191.554	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	377099	184.595	ug/L	99
12) 1,1-Dichloroethene	2.28	96	349536	186.620	ug/L	95
13) Acetone	2.32	43	455397	361.675	ug/L	98
14) Carbon disulfide	2.47	76	1299891	205.109	ug/L	100
15) Methyl Acetate	2.62	43	480467	186.098	ug/L	99
16) Methylene chloride	2.70	84	462261	189.865	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	428235	201.720	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	1362181	196.723	ug/L	99
19) 1,1-Dichloroethane	3.45	63	783695	189.753	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	489635	200.418	ug/L	97
22) 2-Butanone	4.26	43	688118	385.329	ug/L	99
23) Bromochloromethane	4.55	128	255399	196.079	ug/L	99
25) Chloroform	4.68	83	826216	192.961	ug/L	100
27) 1,2-Dichloroethane	5.41	62	664511	189.112	ug/L	99
29) Cyclohexane	5.00	56	725638	203.190	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	751163	185.819	ug/L	99
31) Carbon tetrachloride	5.14	117	696088	188.575	ug/L	100
33) Benzene	5.39	78	1773901	193.232	ug/L	100
34) Trichloroethene	6.19	95	467458	195.867	ug/L	99
35) Methylcyclohexane	6.42	83	781328	212.721	ug/L	99
37) 1,2-Dichloropropane	6.44	63	478725	190.863	ug/L	99
38) Bromodichloromethane	6.76	83	646940	193.785	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	796754	211.130	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1320985	390.811	ug/L	99

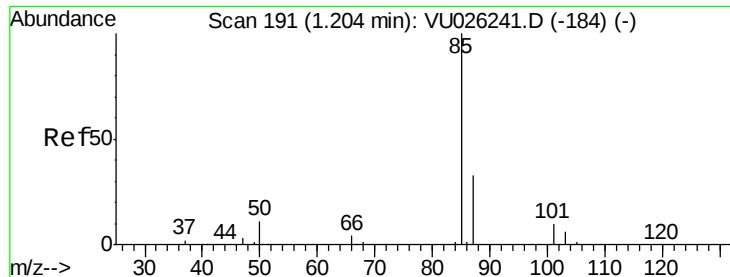
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 04:40:00 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1959784	201.318	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	765317	211.596	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	460571	193.449	ug/L	98
46) Tetrachloroethene	8.23	164	408288	200.511	ug/L	97
48) 2-Hexanone	8.36	43	1053024	396.853	ug/L	97
49) Dibromochloromethane	8.48	129	585230	203.097	ug/L	99
50) 1,2-Dibromoethane	8.59	107	517644	198.881	ug/L	99
51) Chlorobenzene	9.12	112	1312268	200.504	ug/L	100
52) Ethylbenzene	9.25	91	2237997	210.440	ug/L	99
53) m,p-Xylene	9.38	106	870877	213.670	ug/L	96
54) o-xylene	9.78	106	857180	212.654	ug/L	95
55) Styrene	9.80	104	1491856	221.120	ug/L	98
56) Isopropylbenzene	10.17	105	2265459	218.715	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	808296	199.824	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	633275	197.545	ug/L	100
61) Bromoform	9.96	173	473763	186.757	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	1127679	192.625	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	1165555	190.011	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	1145767	184.267	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	189028	174.263	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	899556	204.573	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	816089	217.824	ug/L	99
69) Naphthalene	13.74	128	2570994	215.341	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	835726	208.314	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 182.297 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

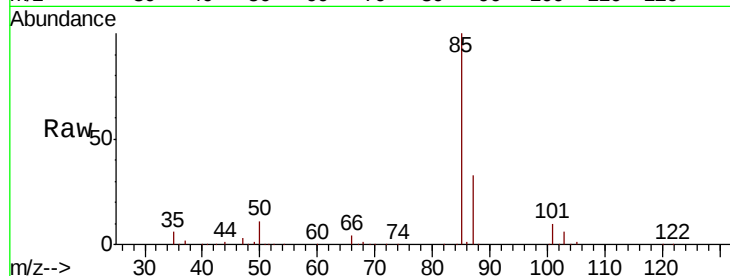
VSTD20044

Tgt Ion: 85 Resp: 518212

Ion Ratio Lower Upper

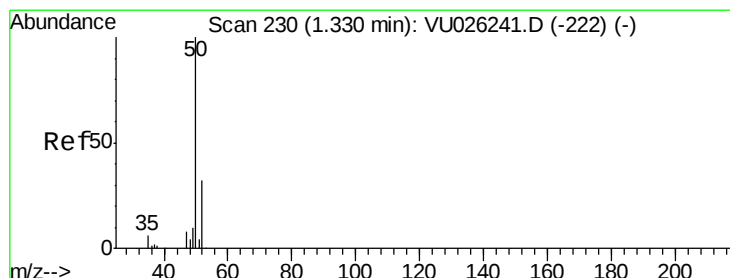
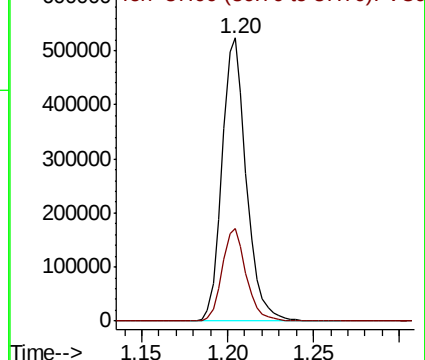
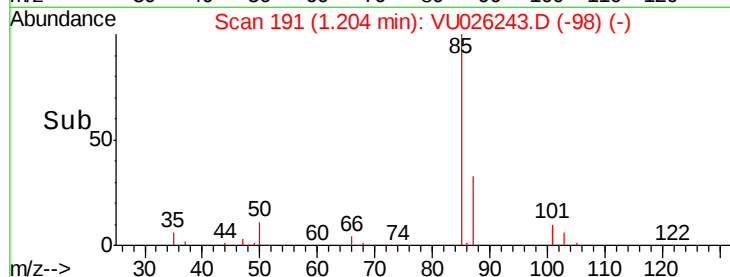
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU026243.D (-98) (-)

Ion 87.00 (86.70 to 87.70): VU026243.D (-98) (-)



#3

Chloromethane

Concen: 188.464 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026243.D

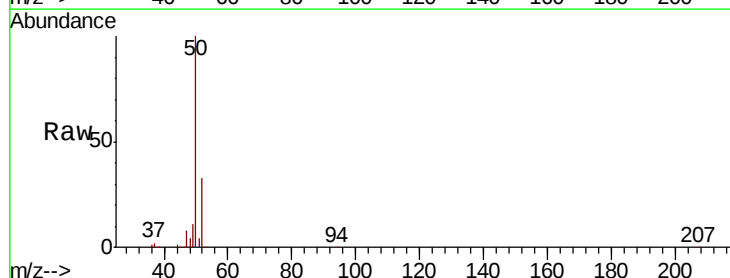
Acq: 22 Aug 2018 12:52

Tgt Ion: 50 Resp: 483817

Ion Ratio Lower Upper

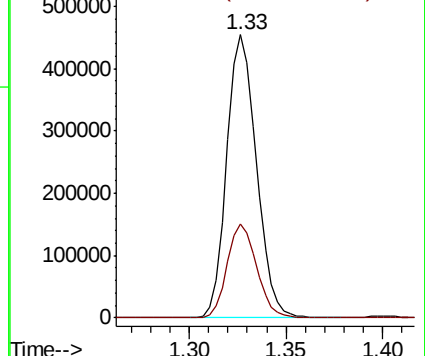
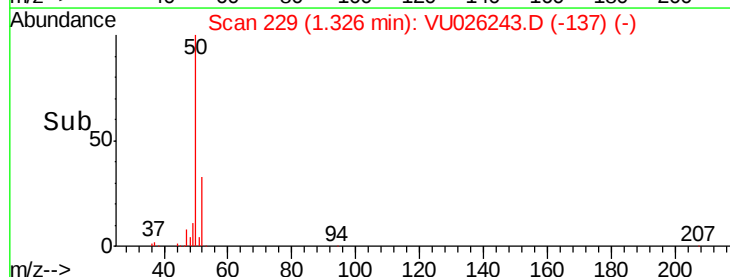
50 100

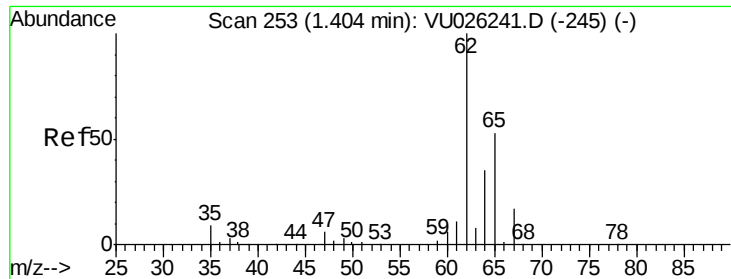
52 33.1 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU026243.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU026243.D (-137) (-)





#5

Vinyl chloride

Concen: 192.808 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

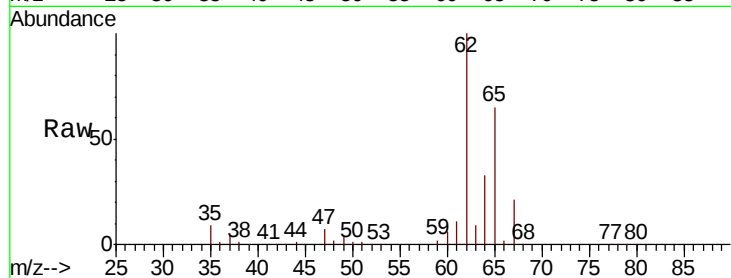
VSTD20044

Tgt Ion: 62 Resp: 475961

Ion Ratio Lower Upper

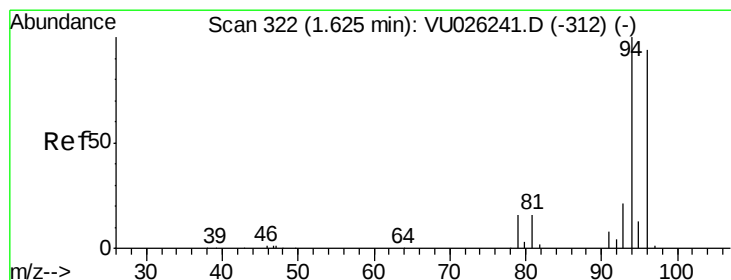
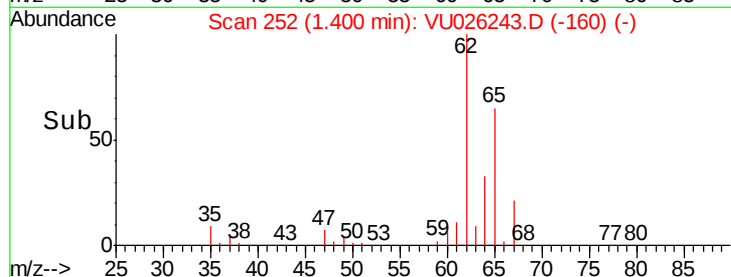
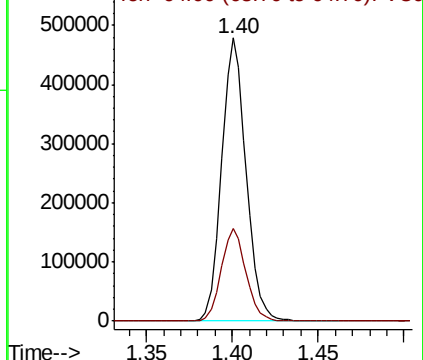
62 100

64 32.7 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: 210.840 ug/L

RT: 1.61 min Scan# 317

Delta R.T. -0.02 min

Lab File: VU026243.D

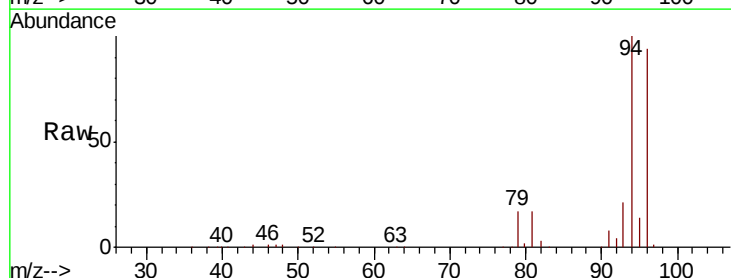
Acq: 22 Aug 2018 12:52

Tgt Ion: 94 Resp: 286263

Ion Ratio Lower Upper

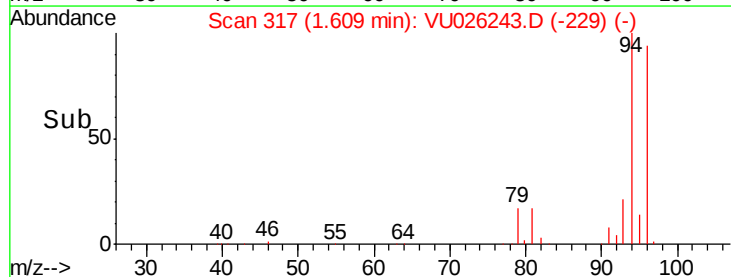
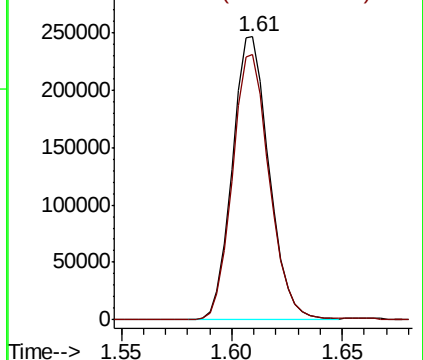
94 100

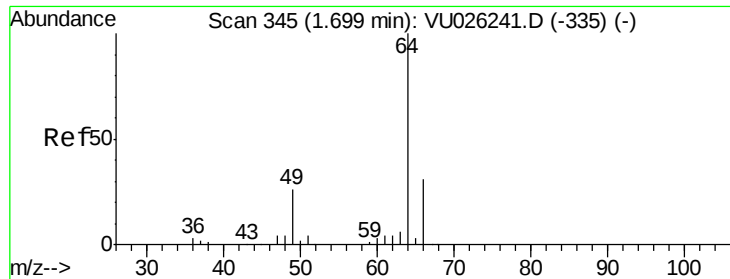
96 94.0 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 184.400 ug/L

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

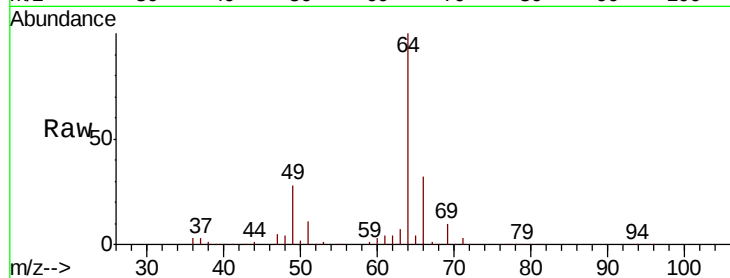
VSTD20044

Tgt Ion: 64 Resp: 273968

Ion Ratio Lower Upper

64 100

66 31.6 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU026243.D (-221) (-)

Ion 66.00 (65.70 to 66.70): VU026243.D (-221) (-)

1.69

200000

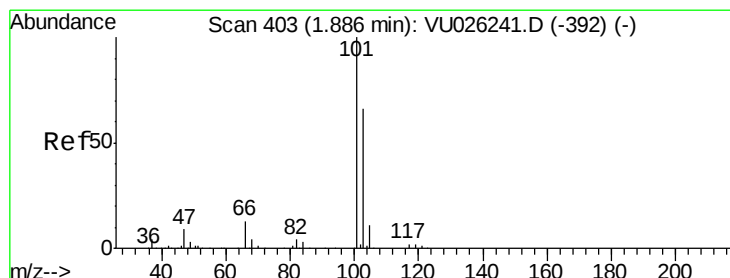
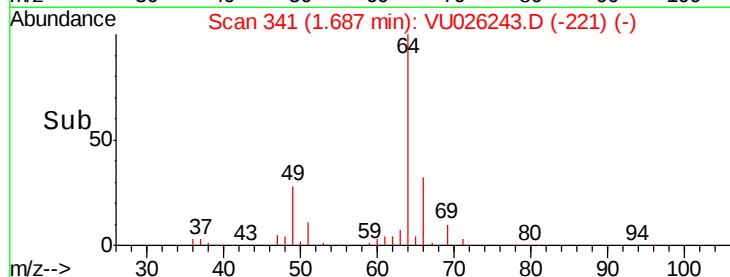
150000

100000

50000

0

Time--> 1.60 1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 191.554 ug/L

RT: 1.88 min Scan# 401

Delta R.T. -0.01 min

Lab File: VU026243.D

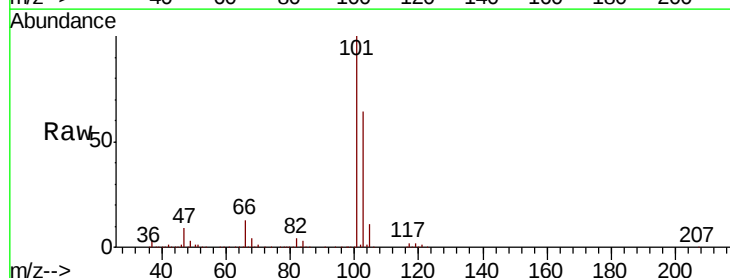
Acq: 22 Aug 2018 12:52

Tgt Ion: 101 Resp: 682138

Ion Ratio Lower Upper

101 100

103 64.4 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU026243.D (-279) (-)

Ion 103.00 (102.70 to 103.70): VU026243.D (-279) (-)

1.88

500000

400000

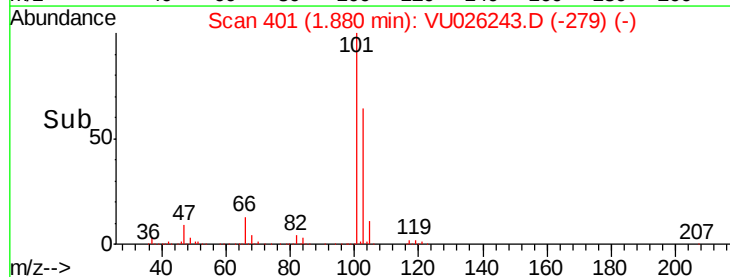
300000

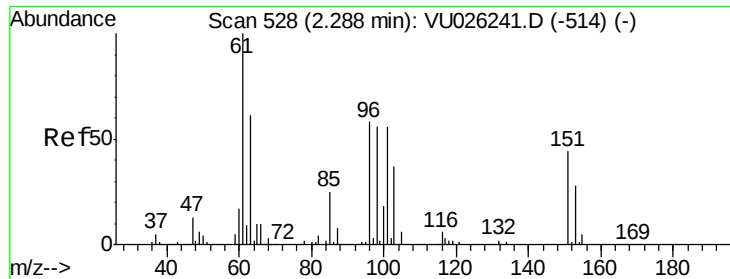
200000

100000

0

Time--> 1.80 1.85 1.90 1.95 2.00





#10

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

Concen: 184.595 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

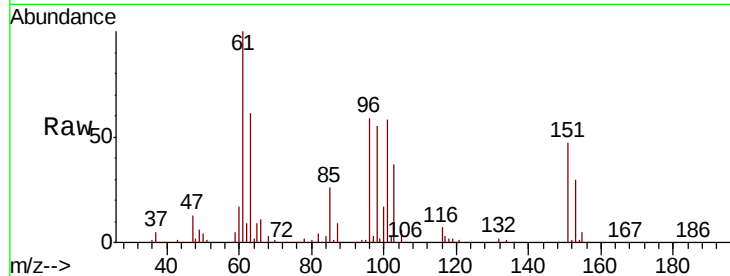
Tgt Ion: 101 Resp: 377099

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.6

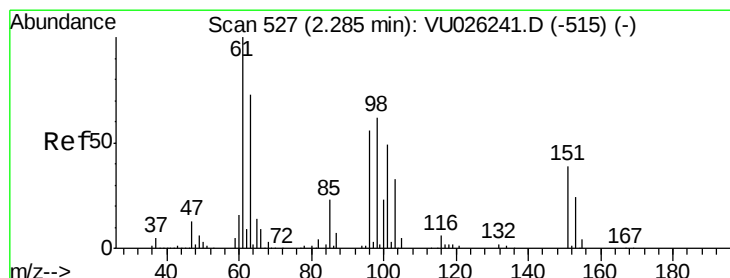
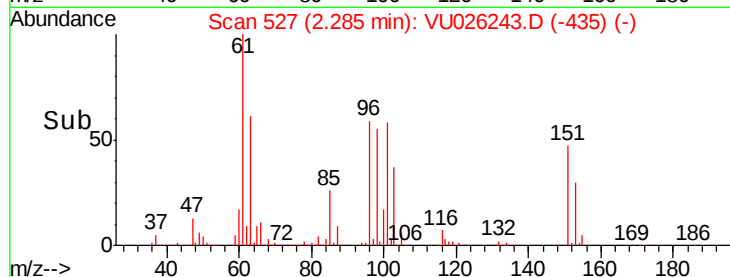
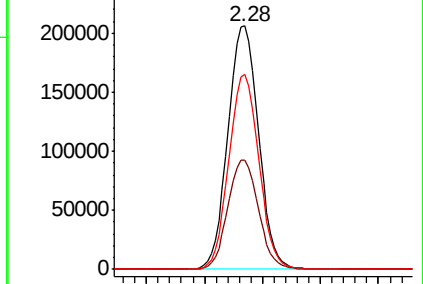
151 78.5 63.3 94.9



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: 186.620 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

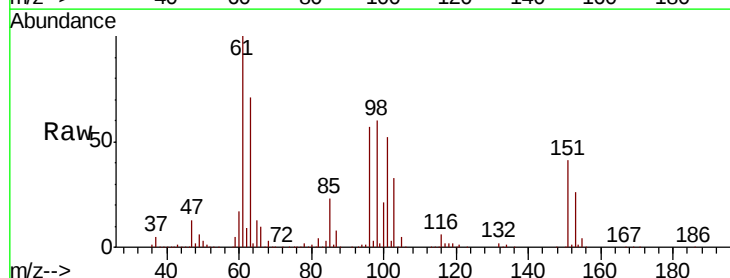
Tgt Ion: 96 Resp: 349536

Ion Ratio Lower Upper

96 100

61 175.5 124.7 231.5

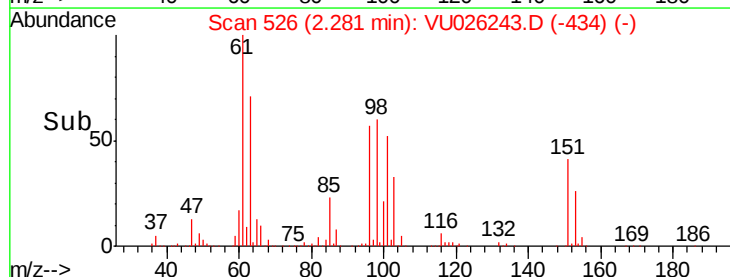
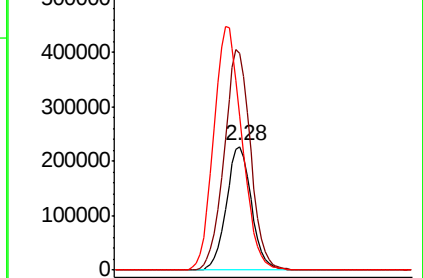
63 124.2 93.7 174.1

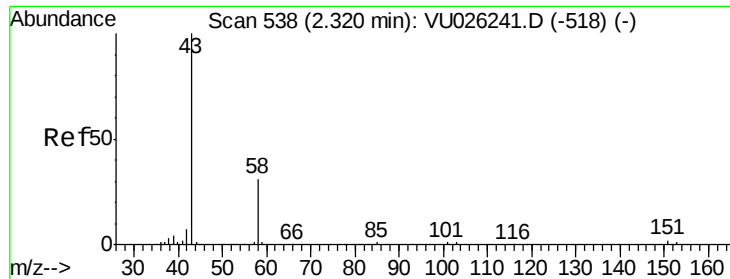


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

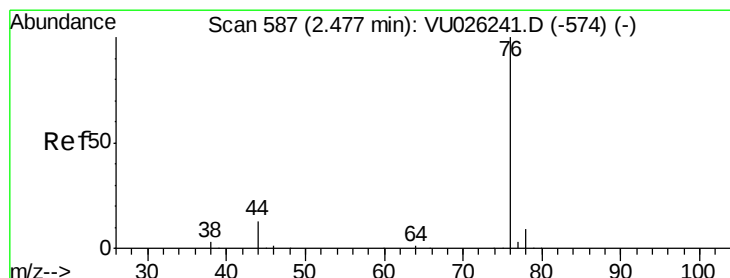
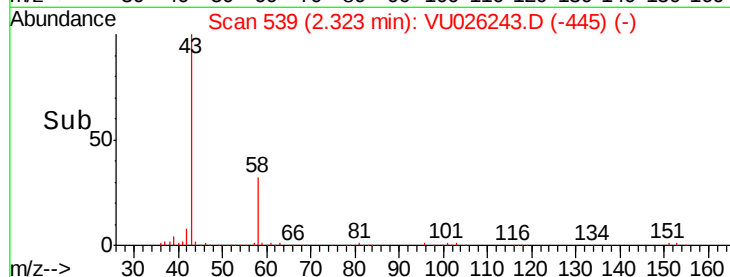
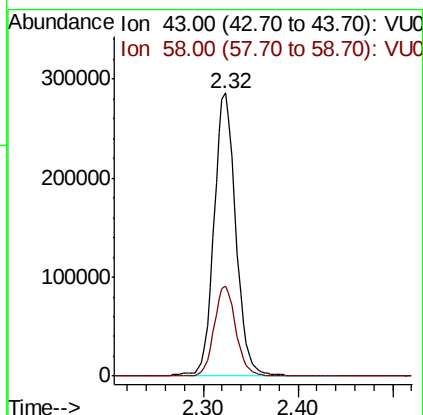
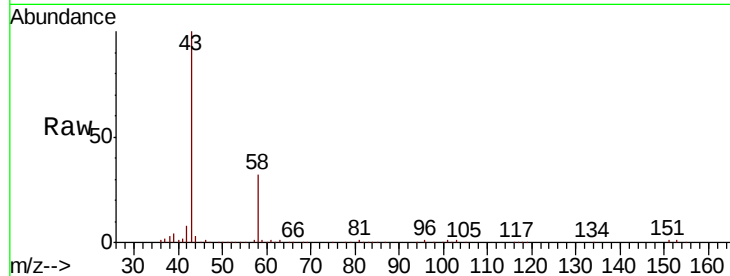




#13
Acetone
Concen: 361.675 ug/L
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

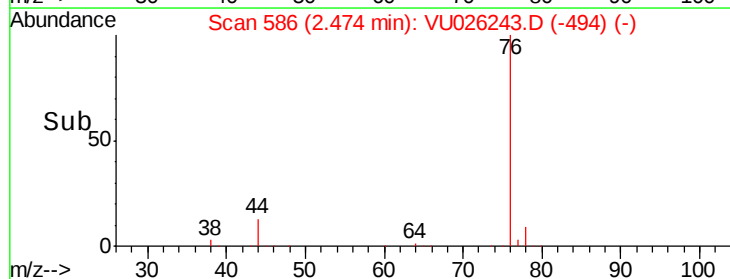
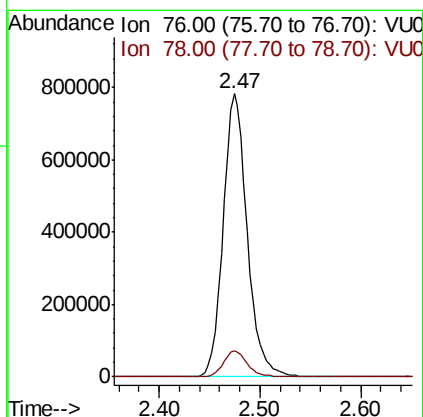
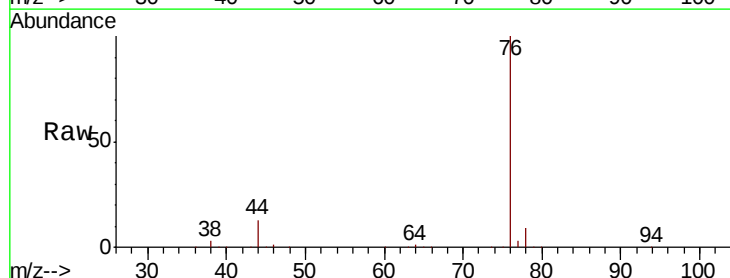
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

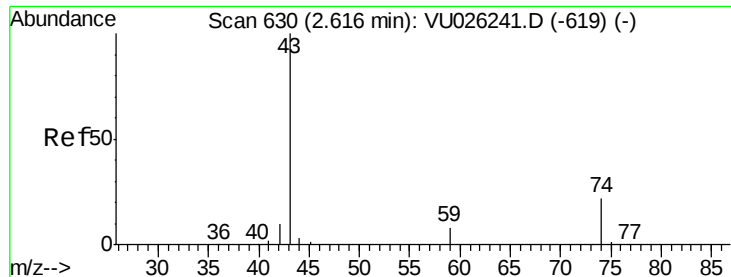
Tgt Ion: 43 Resp: 455397
Ion Ratio Lower Upper
43 100
58 31.5 0.0 61.2



#14
Carbon disulfide
Concen: 205.109 ug/L
RT: 2.47 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

Tgt Ion: 76 Resp: 1299891
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

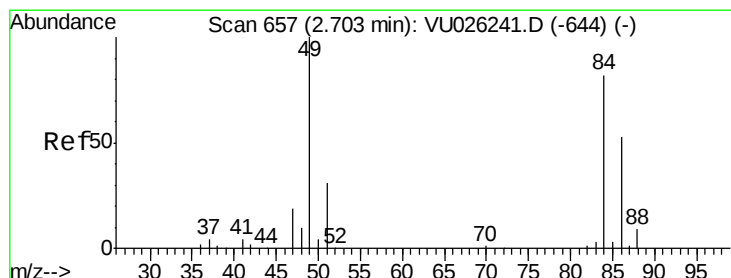
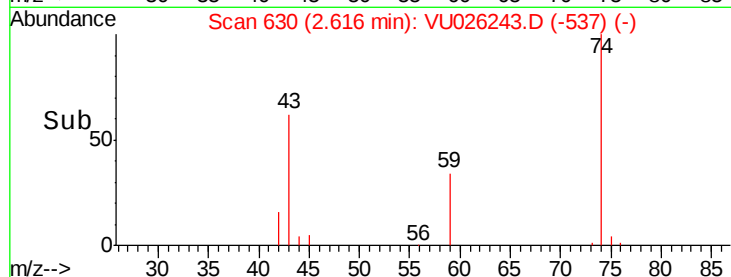
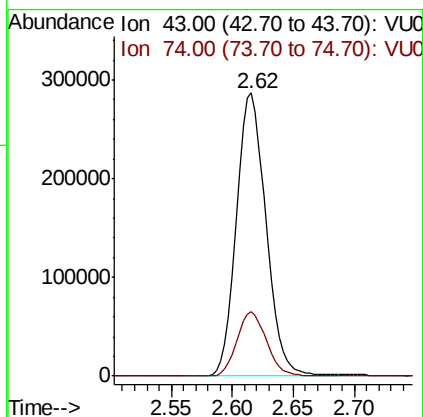
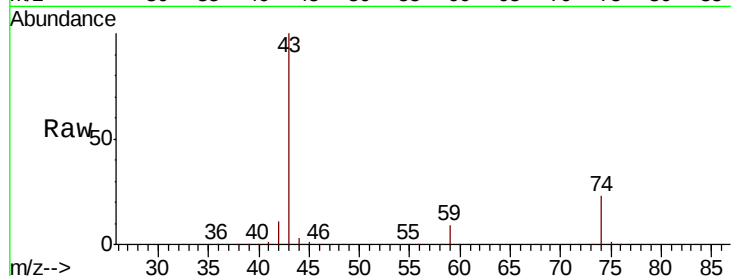




#15
Methyl Acetate
Concen: 186.098 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

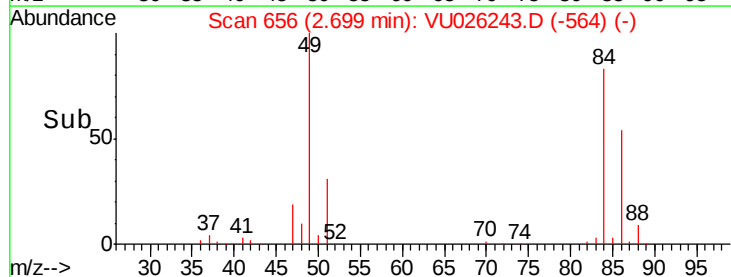
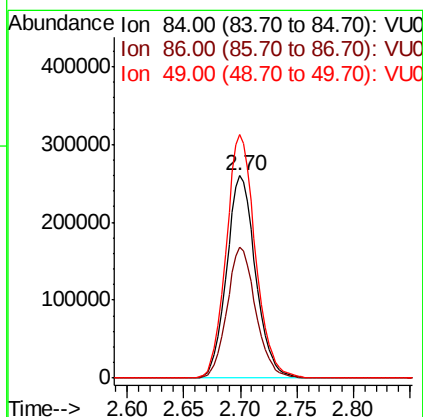
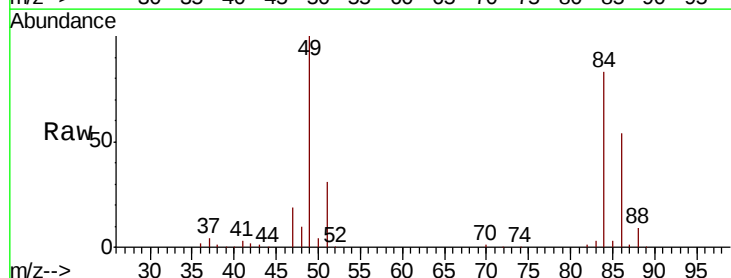
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

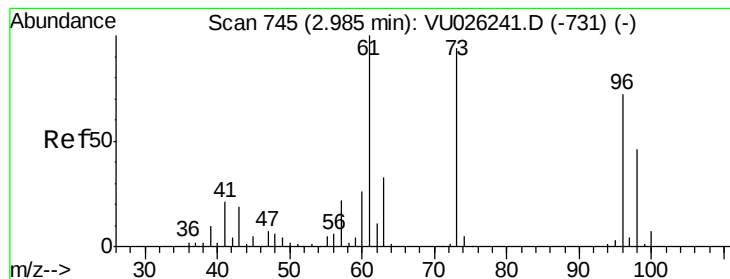
Tgt Ion: 43 Resp: 480467
Ion Ratio Lower Upper
43 100
74 22.8 18.6 27.8



#16
Methylene chloride
Concen: 189.865 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

Tgt Ion: 84 Resp: 462261
Ion Ratio Lower Upper
84 100
86 64.6 45.4 84.4
49 120.5 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 201.720 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

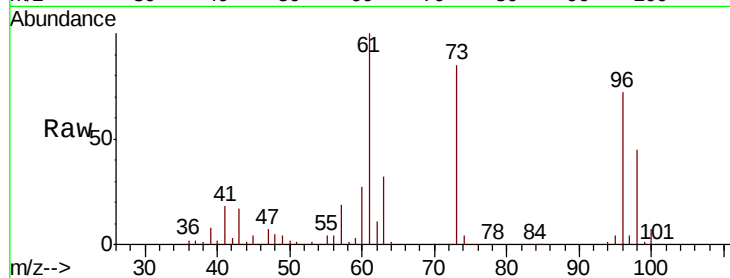
Tgt Ion: 96 Resp: 428235

Ion Ratio Lower Upper

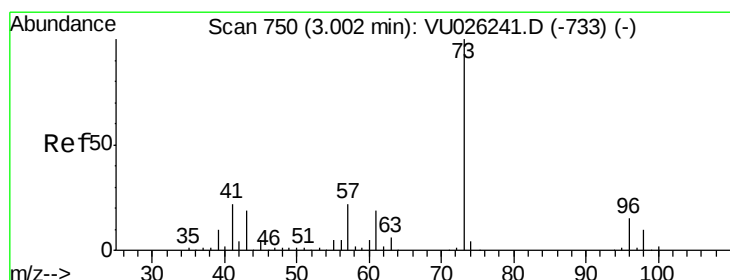
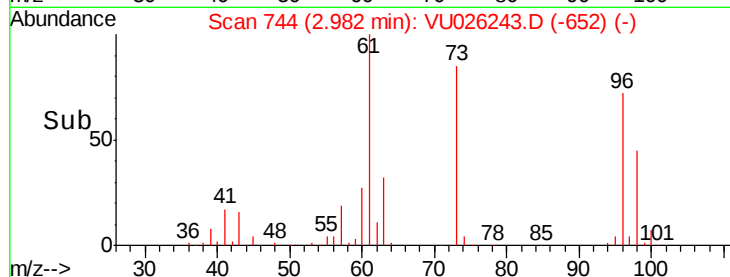
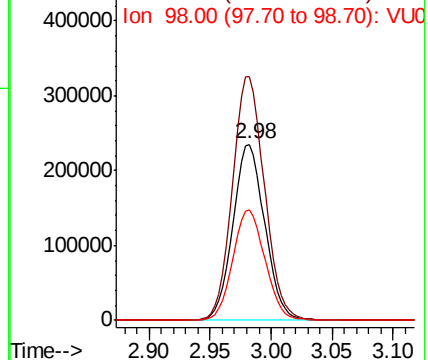
96 100

61 138.0 97.9 181.9

98 62.6 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: 196.723 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

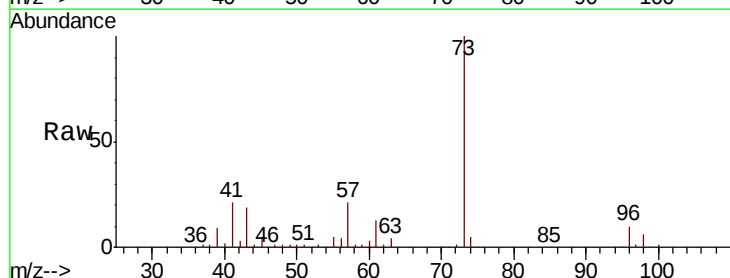
Tgt Ion: 73 Resp: 1362181

Ion Ratio Lower Upper

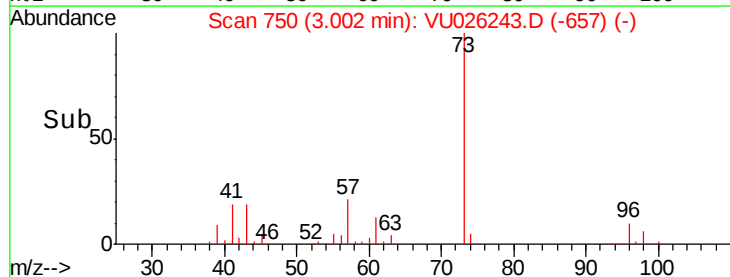
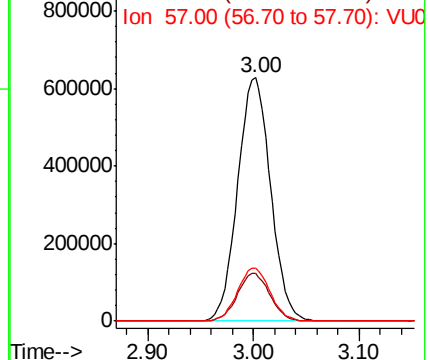
73 100

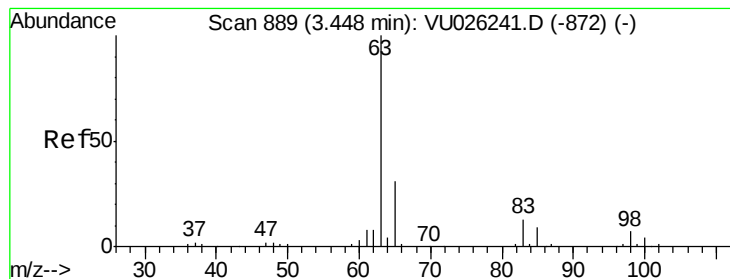
43 19.3 15.7 23.5

57 21.5 17.5 26.3



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





#19

1,1-Dichloroethane

Concen: 189.753 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

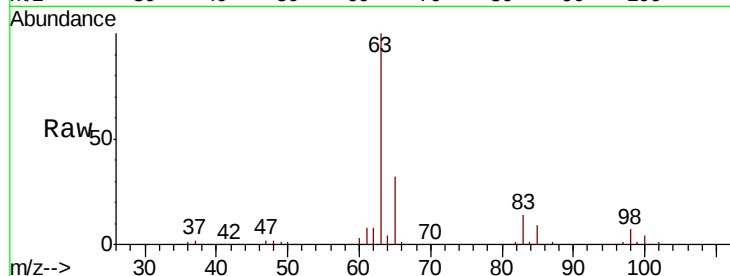
Tgt Ion: 63 Resp: 783695

Ion Ratio Lower Upper

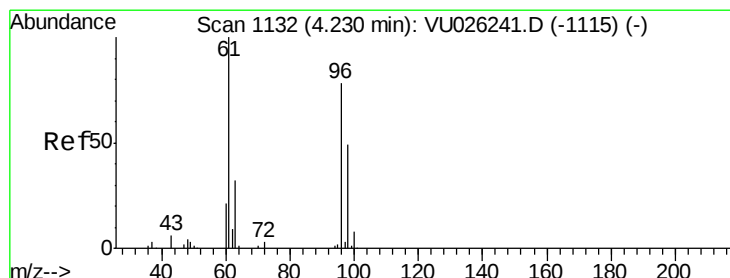
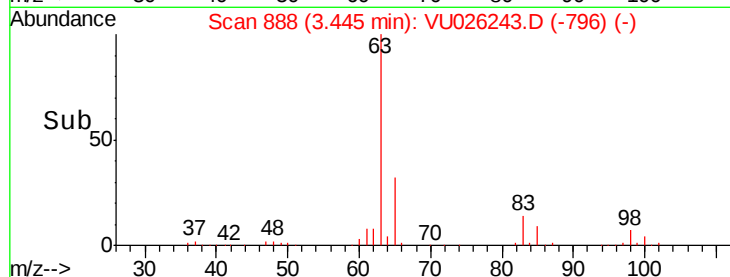
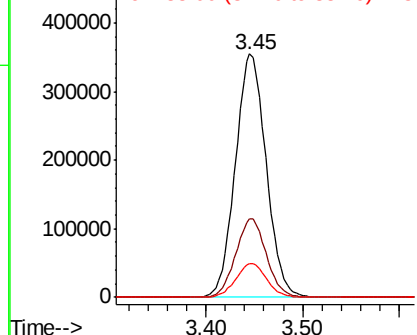
63 100

65 32.3 21.4 39.8

83 13.7 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: 200.418 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

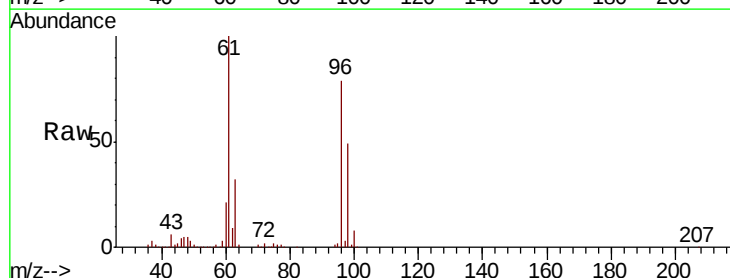
Tgt Ion: 96 Resp: 489635

Ion Ratio Lower Upper

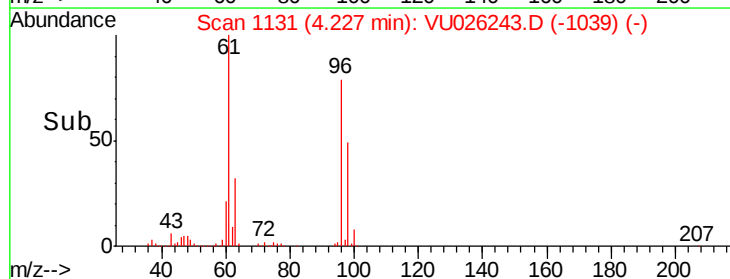
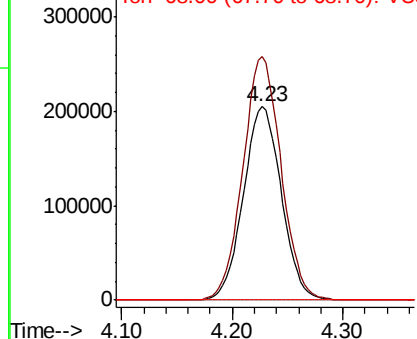
96 100

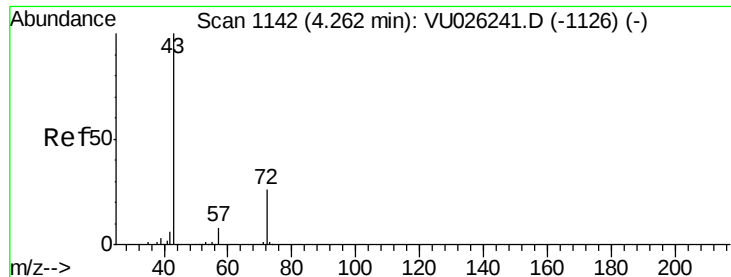
61 126.1 90.3 167.7

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: 385.329 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

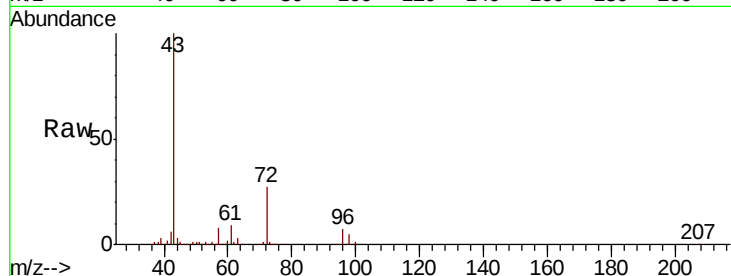
VSTD20044

Tgt Ion: 43 Resp: 688118

Ion Ratio Lower Upper

43 100

72 27.8 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026243.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU026243.D (-1049) (-)

4.26

300000

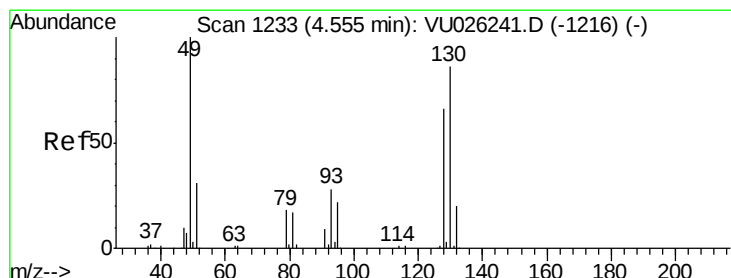
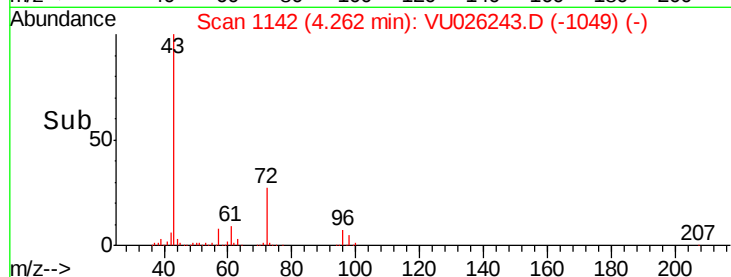
200000

100000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 196.079 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Tgt Ion: 128 Resp: 255399

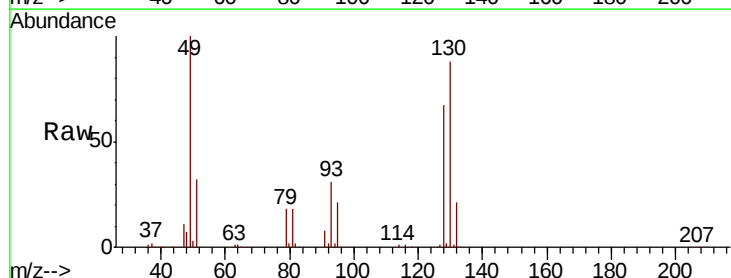
Ion Ratio Lower Upper

128 100

49 148.9 106.7 198.3

130 130.7 91.7 170.3

51 47.8 38.0 57.0



Abundance Ion 128.00 (127.70 to 128.70): VU026243.D (-1140) (-)

Ion 49.00 (48.70 to 49.70): VU026243.D (-1140) (-)

Ion 130.00 (129.70 to 130.70): VU026243.D (-1140) (-)

Ion 51.00 (50.70 to 51.70): VU026243.D (-1140) (-)

4.55

250000

200000

150000

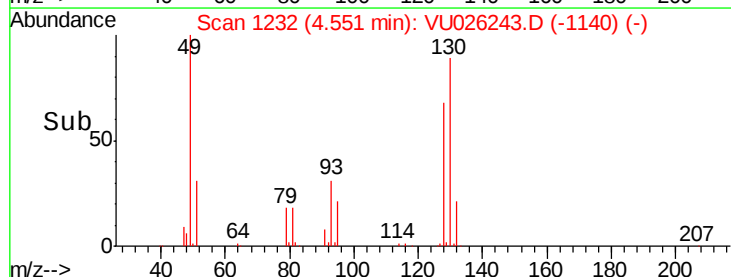
100000

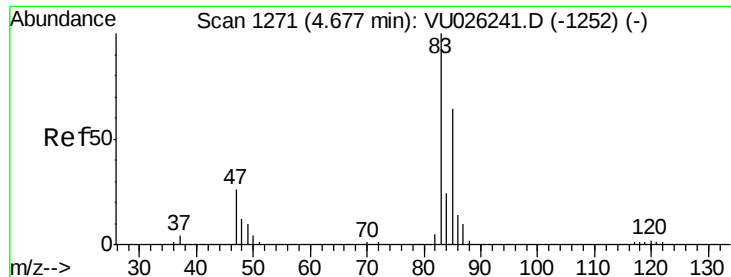
50000

0

4.45 4.50 4.55 4.60 4.65

Time-->

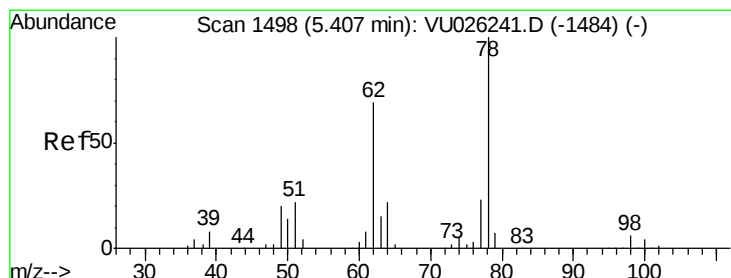
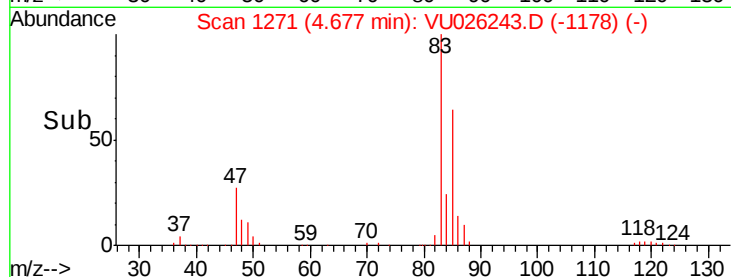
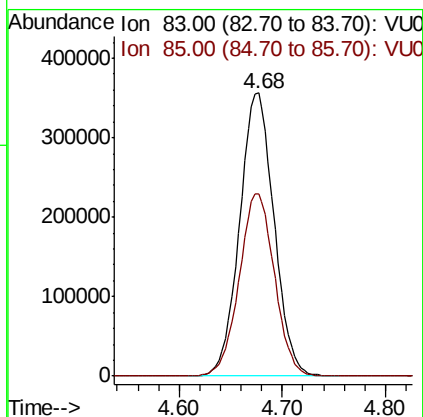
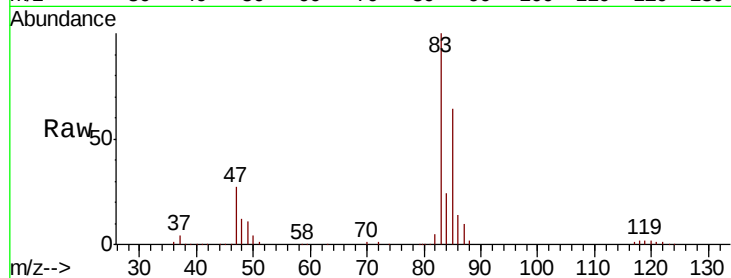




#25
Chloroform
Concen: 192.961 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

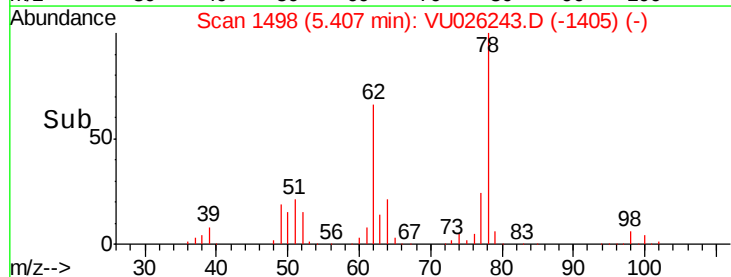
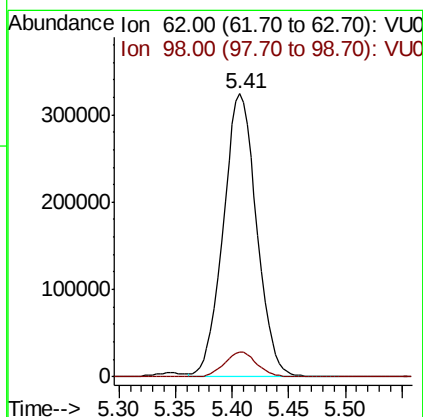
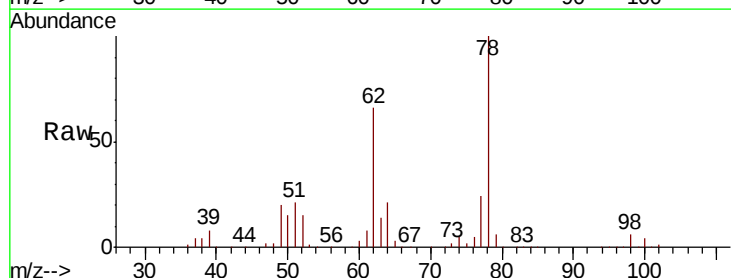
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

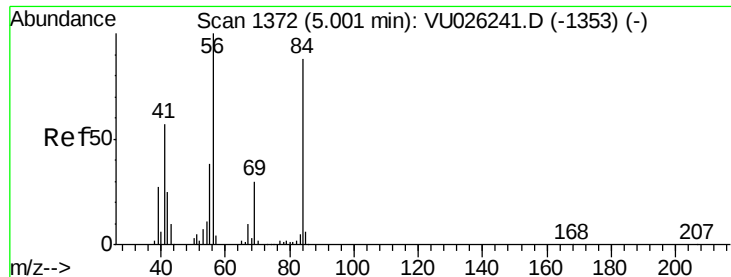
Tgt Ion: 83 Resp: 826216
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 189.112 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

Tgt Ion: 62 Resp: 664511
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8

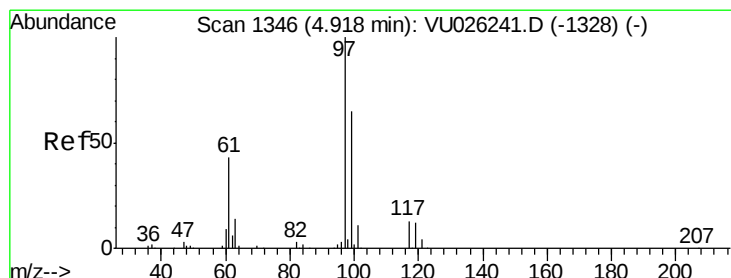
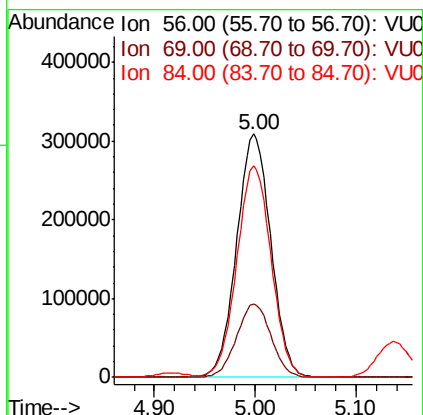
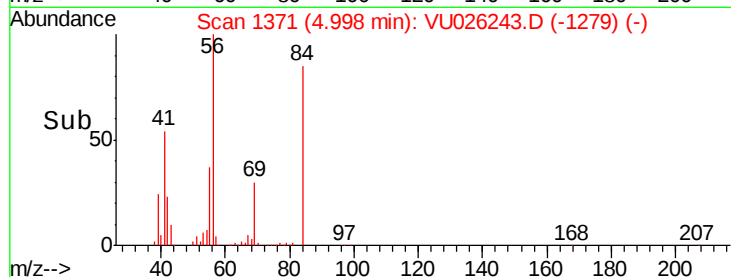
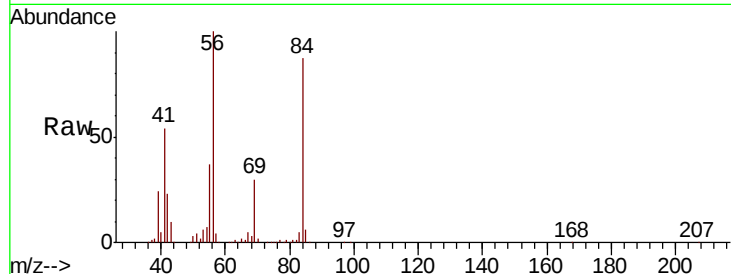




#29
Cyclohexane
Concen: 203.190 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

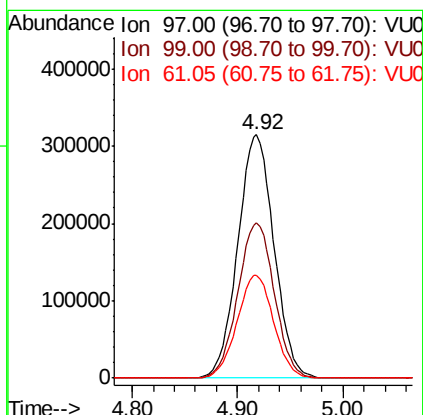
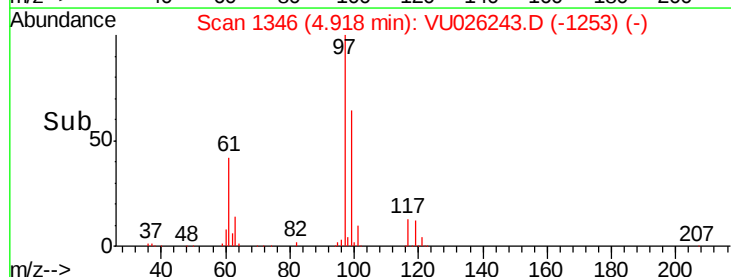
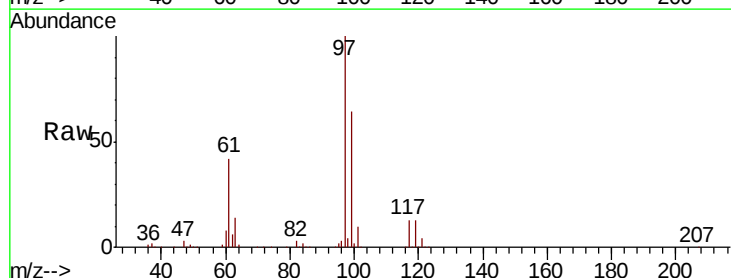
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

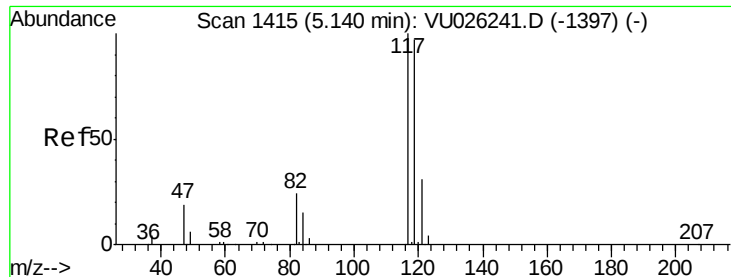
Tgt Ion: 56 Resp: 725638
Ion Ratio Lower Upper
56 100
69 30.5 24.6 37.0
84 87.5 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 185.819 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

Tgt Ion: 97 Resp: 751163
Ion Ratio Lower Upper
97 100
99 64.3 52.0 78.0
61 42.5 34.2 51.4

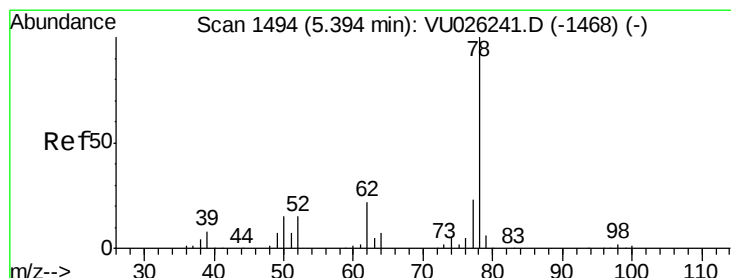
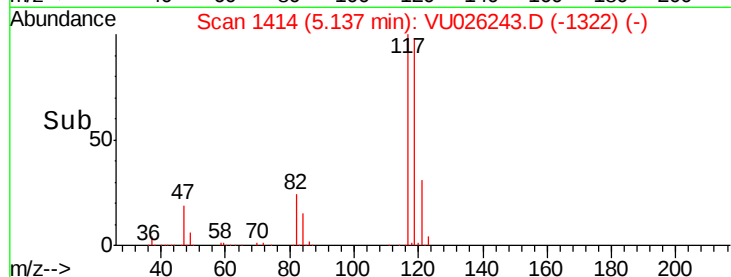
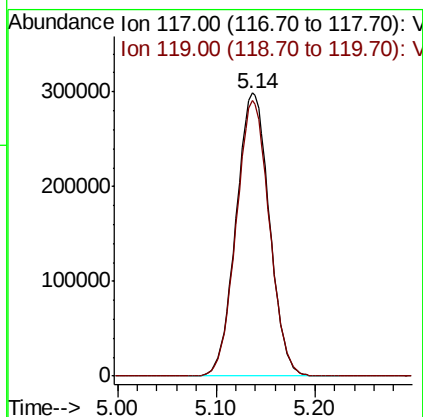
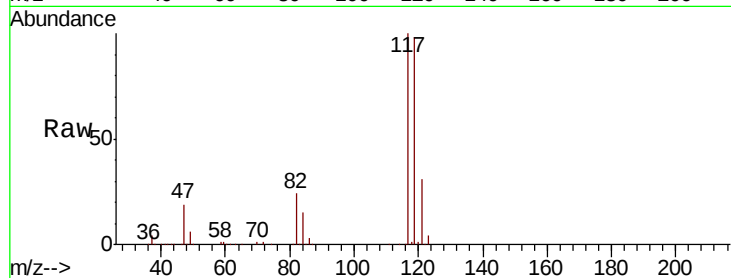




#31
Carbon tetrachloride
Concen: 188.575 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

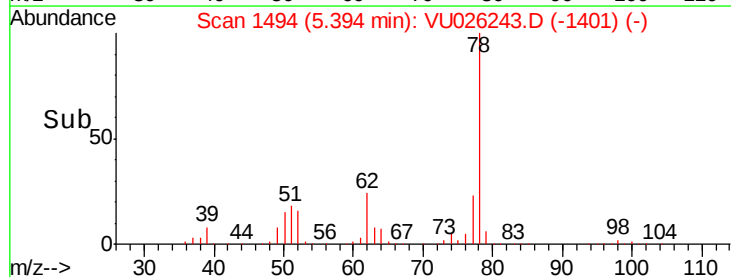
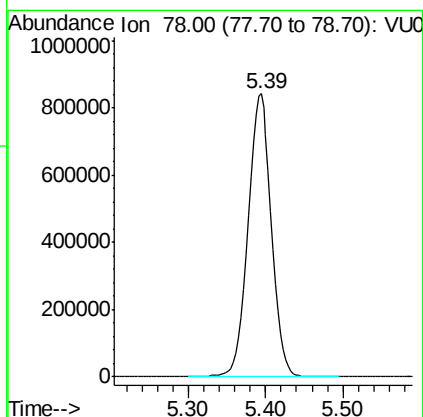
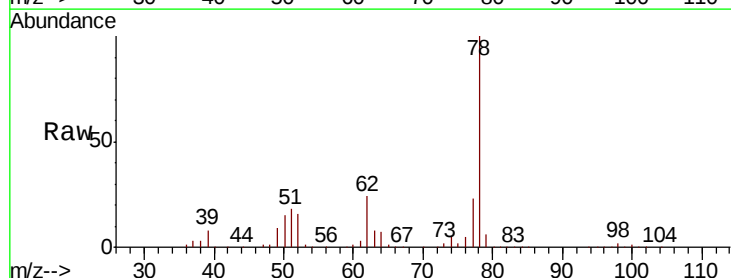
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

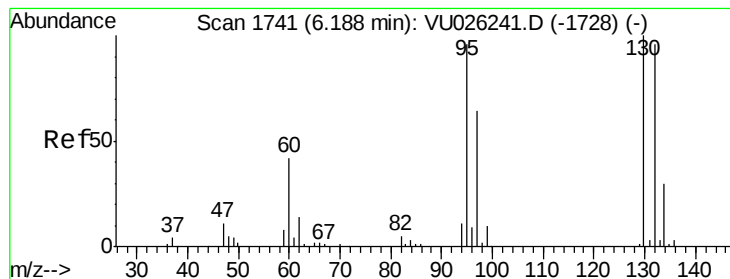
Tgt Ion:117 Resp: 696088
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8



#33
Benzene
Concen: 193.232 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

Tgt Ion: 78 Resp: 1773901





#34

Trichloroethene

Concen: 195.867 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

Tgt Ion: 95 Resp: 467458

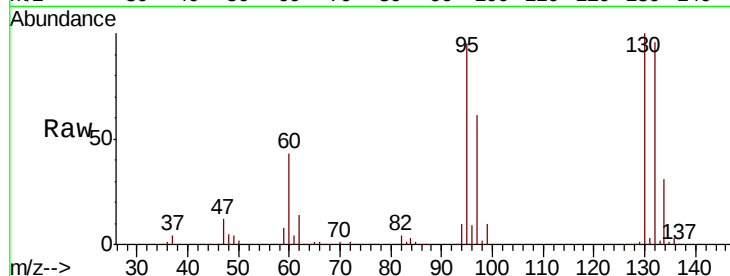
Ion Ratio Lower Upper

95 100

97 64.0 47.2 87.6

132 100.7 70.2 130.4

130 104.8 73.4 136.4

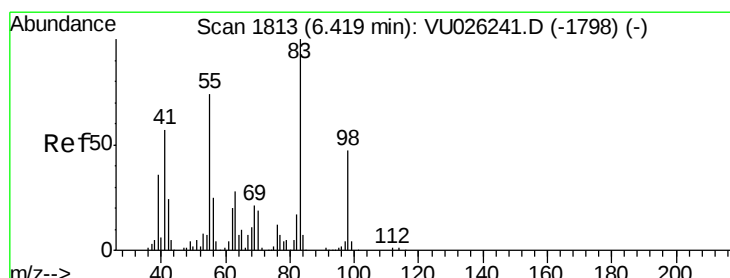
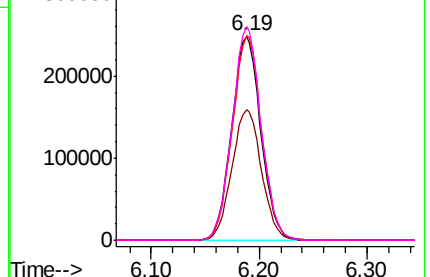
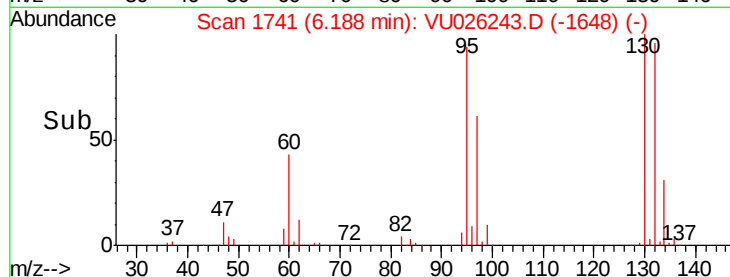


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 212.721 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

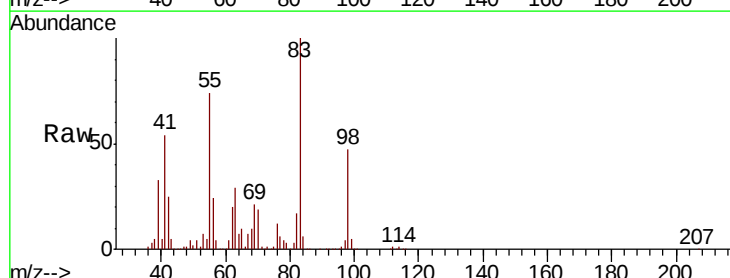
Tgt Ion: 83 Resp: 781328

Ion Ratio Lower Upper

83 100

55 74.9 60.6 91.0

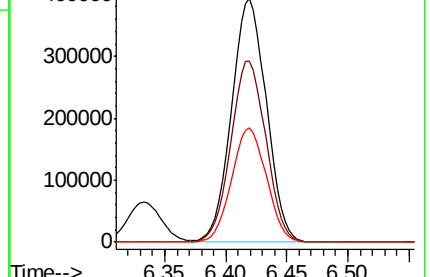
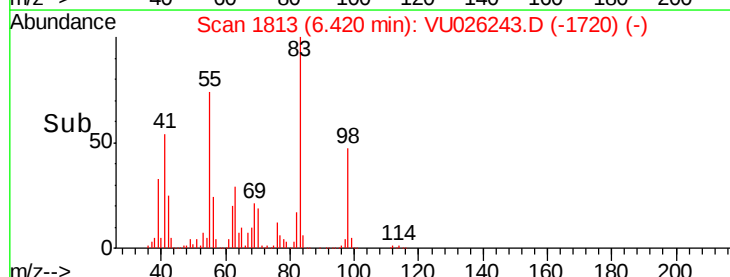
98 46.9 36.8 55.2

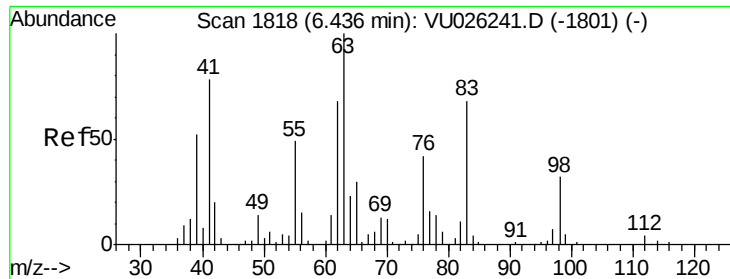


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

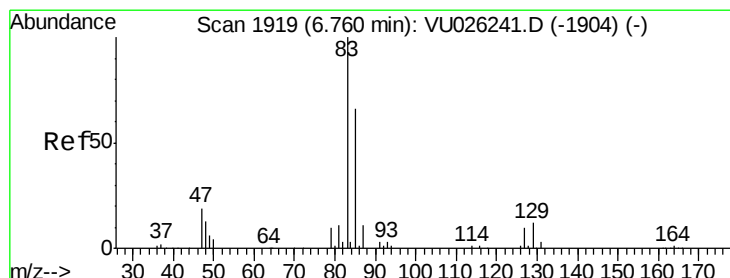
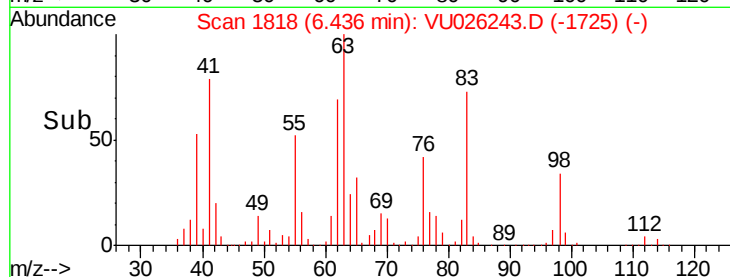
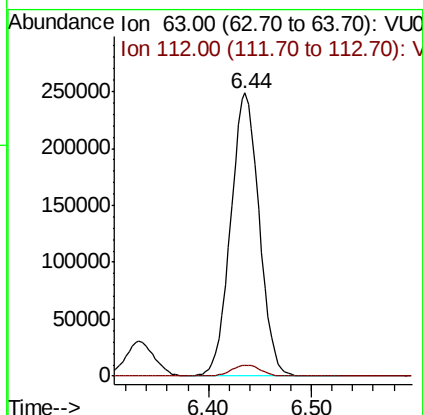
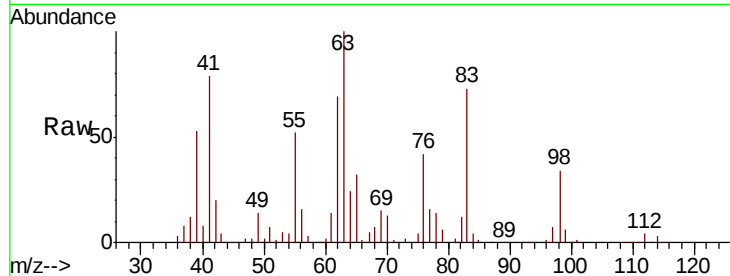




#37
 1,2-Dichloropropane
 Concen: 190.863 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026243.D
 Acq: 22 Aug 2018 12:52

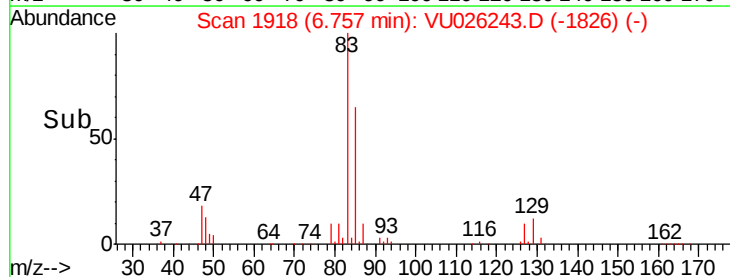
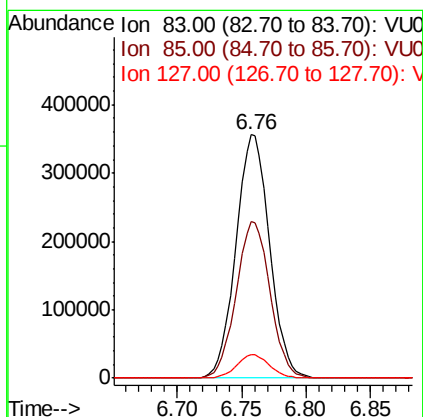
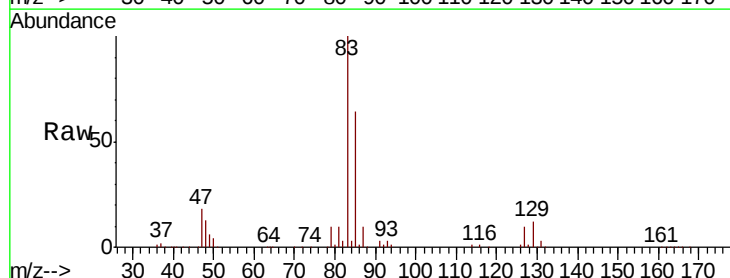
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD20044

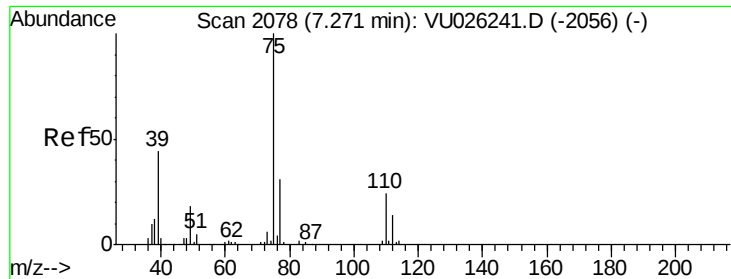
Tgt Ion: 63 Resp: 478725
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.2



#38
 Bromodichloromethane
 Concen: 193.785 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026243.D
 Acq: 22 Aug 2018 12:52

Tgt Ion: 83 Resp: 646940
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.3 86.1
 127 9.6 7.8 11.6

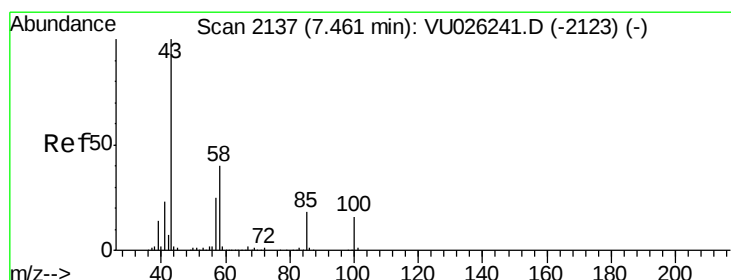
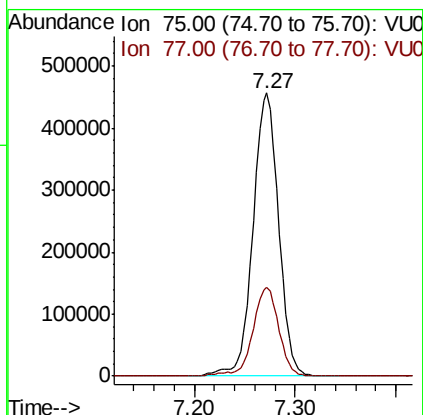
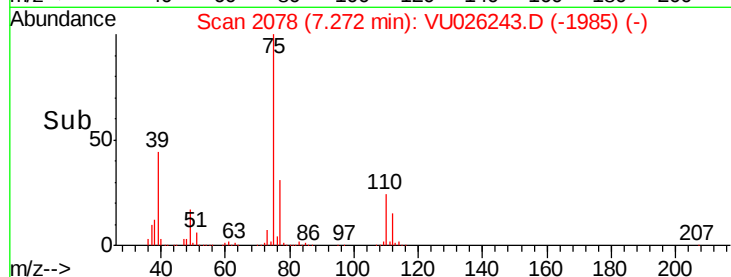
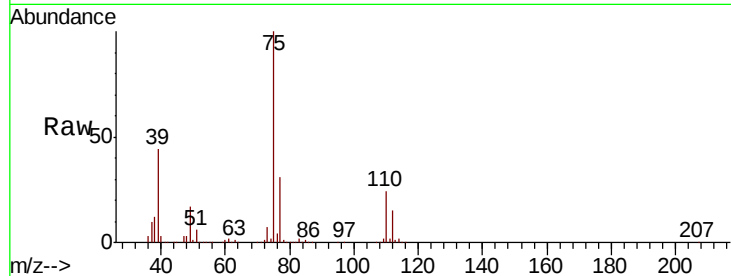




#39
 cis-1,3-Dichloropropene
 Concen: 211.130 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026243.D
 Acq: 22 Aug 2018 12:52

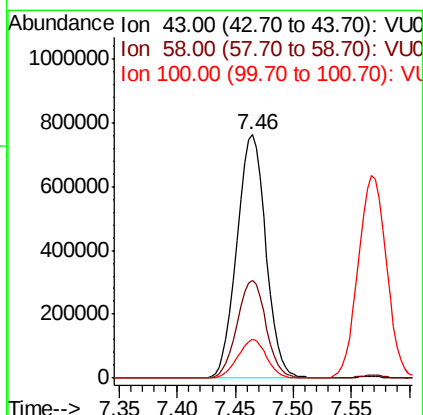
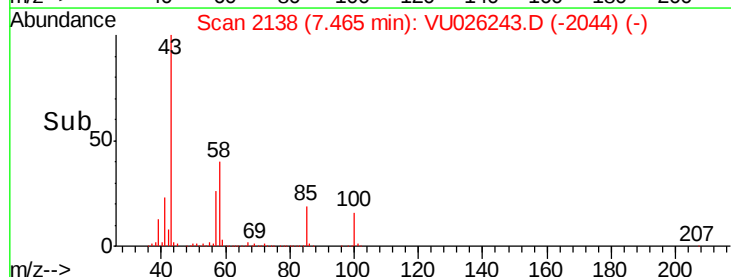
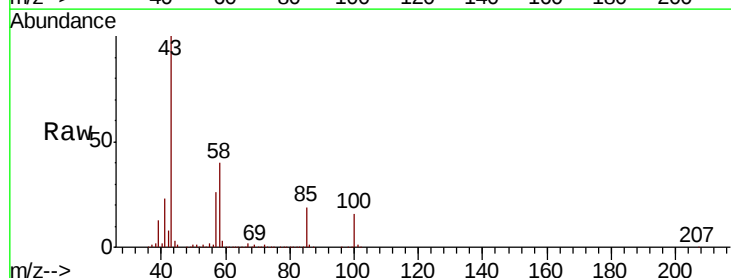
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

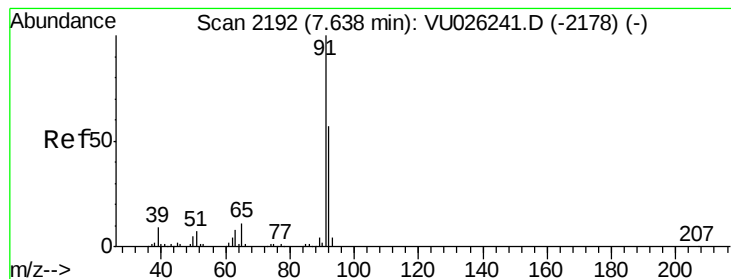
Tgt Ion: 75 Resp: 796754
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 390.811 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026243.D
 Acq: 22 Aug 2018 12:52

Tgt Ion: 43 Resp: 1320985
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.6 47.4
 100 15.7 12.3 18.5





#42

Toluene

Concen: 201.318 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

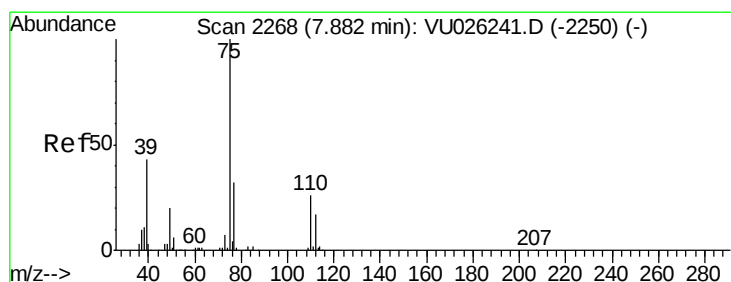
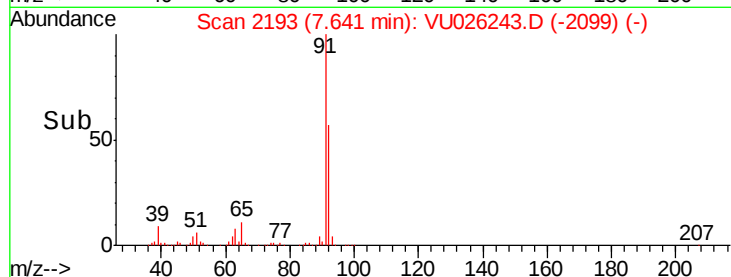
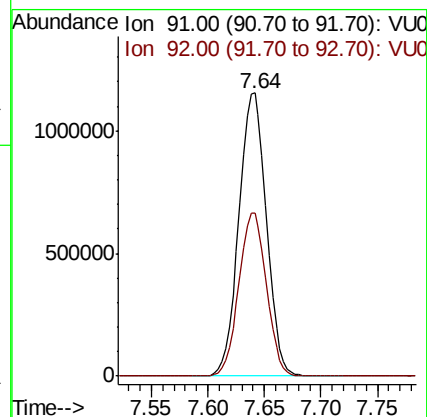
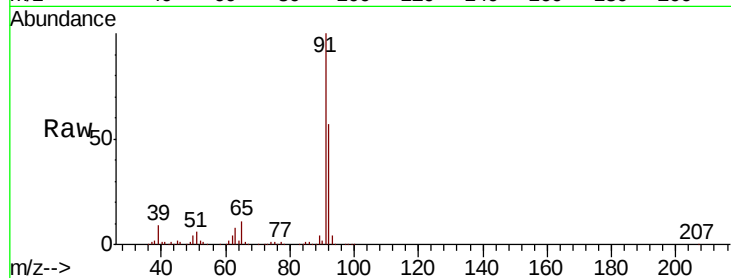
VSTD20044

Tgt Ion: 91 Resp: 1959784

Ion Ratio Lower Upper

91 100

92 57.4 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 211.596 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026243.D

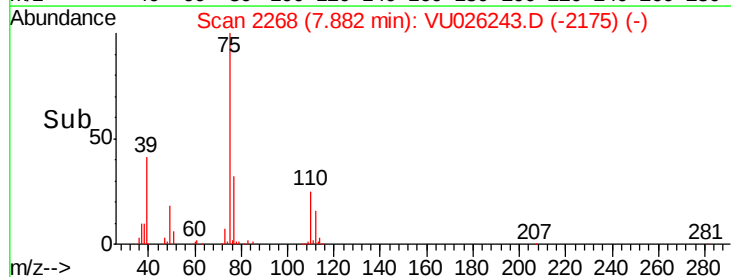
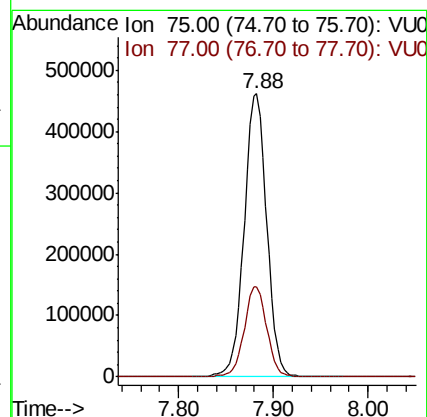
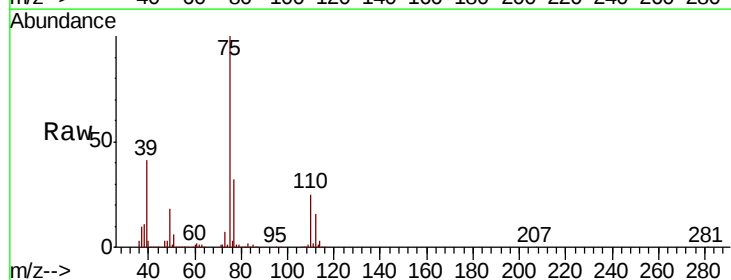
Acq: 22 Aug 2018 12:52

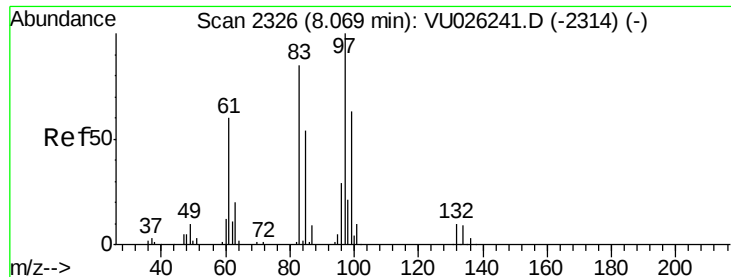
Tgt Ion: 75 Resp: 765317

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0

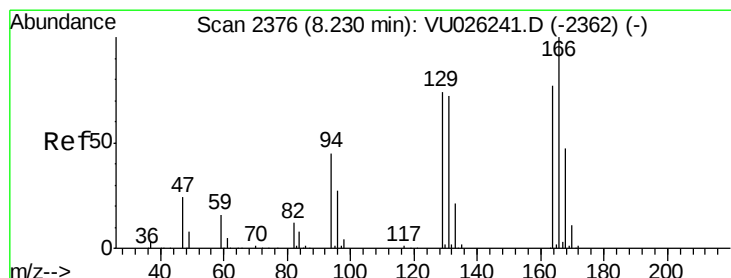
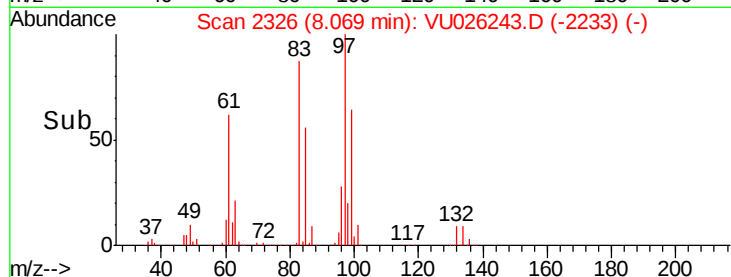
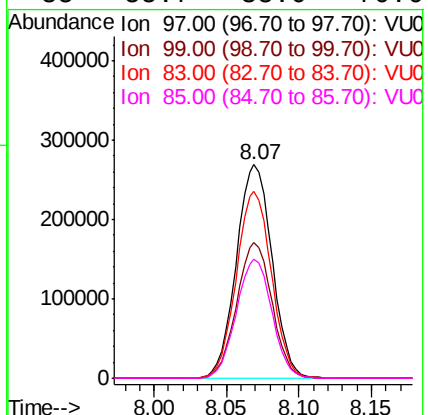
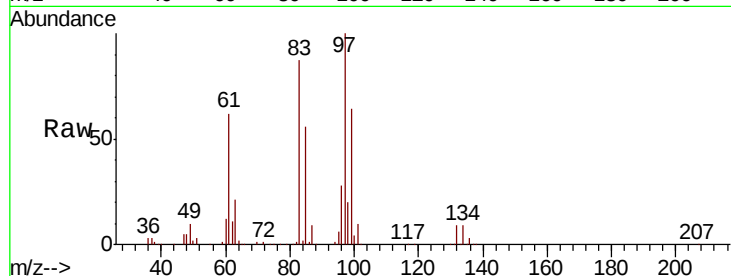




#45
 1,1,2-Trichloroethane
 Concen: 193.449 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026243.D
 Acq: 22 Aug 2018 12:52

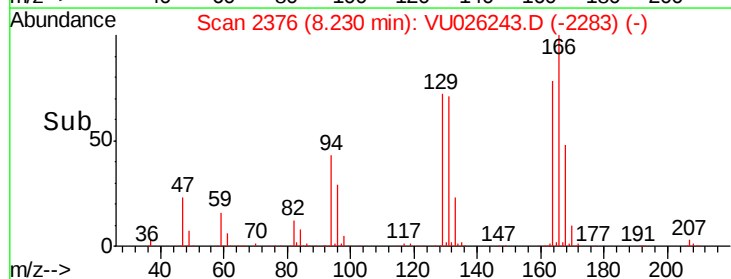
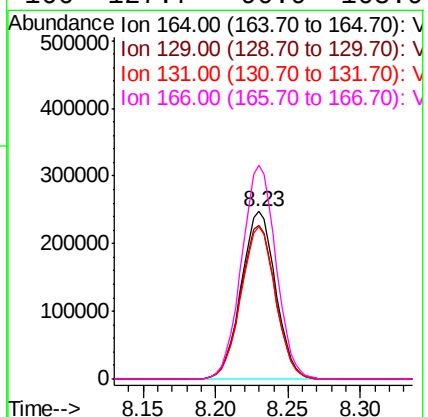
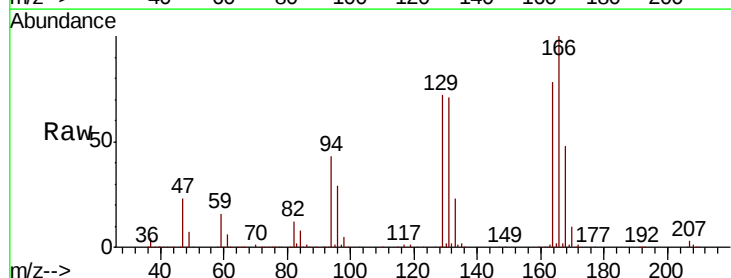
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

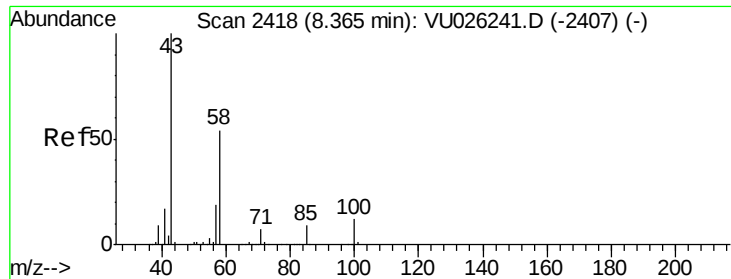
Tgt Ion:	97	Resp:	460571
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.0	81.6
83	87.5	59.2	110.0
85	55.7	38.0	70.6



#46
 Tetrachloroethene
 Concen: 200.511 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026243.D
 Acq: 22 Aug 2018 12:52

Tgt Ion:	164	Resp:	408288
Ion	Ratio	Lower	Upper
164	100		
129	92.1	67.3	124.9
131	90.7	65.5	121.7
166	127.7	90.9	168.9

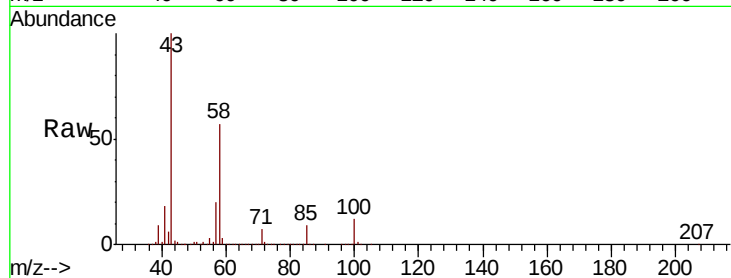




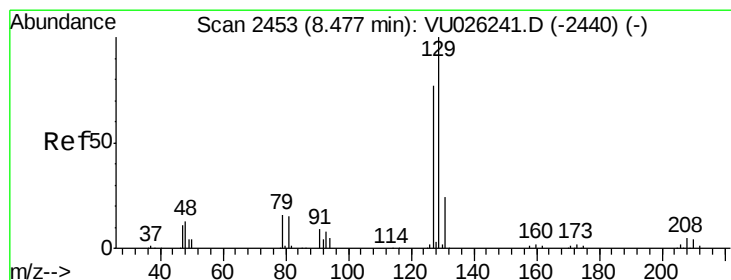
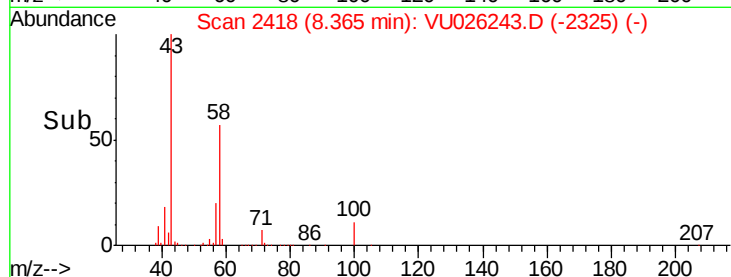
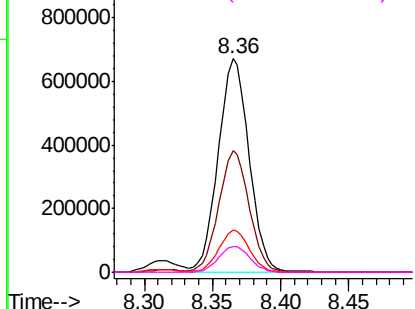
#48
2-Hexanone
Concen: 396.853 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

Tgt Ion: 43 Resp: 1053024
Ion Ratio Lower Upper
43 100
58 56.0 42.6 63.8
57 19.6 15.1 22.7
100 12.2 9.5 14.3

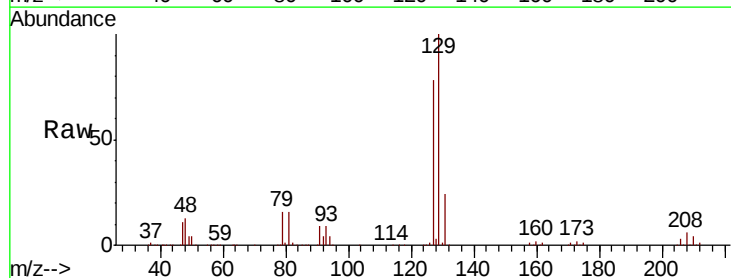


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

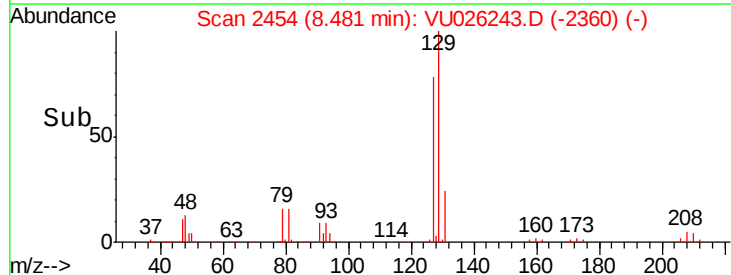
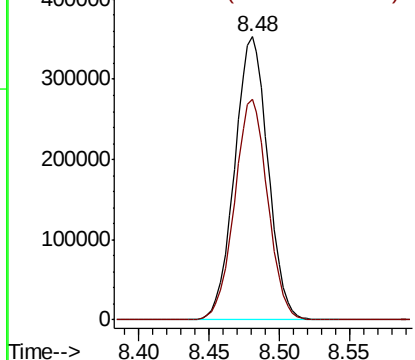


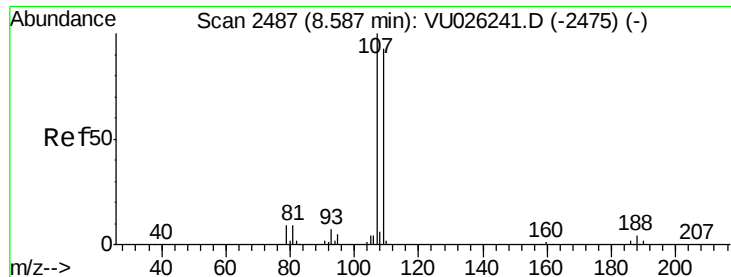
#49
Dibromochloromethane
Concen: 203.097 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

Tgt Ion: 129 Resp: 585230
Ion Ratio Lower Upper
129 100
127 78.1 53.8 100.0



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

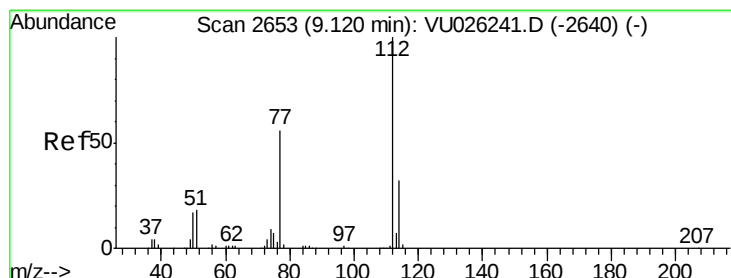
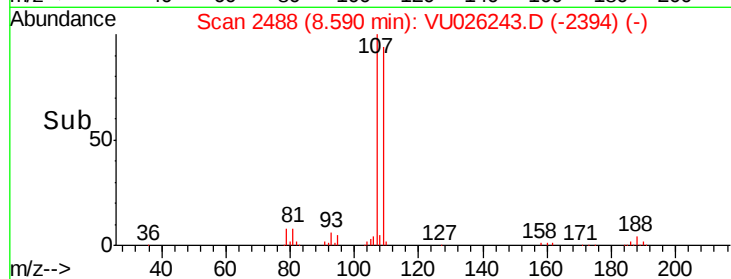
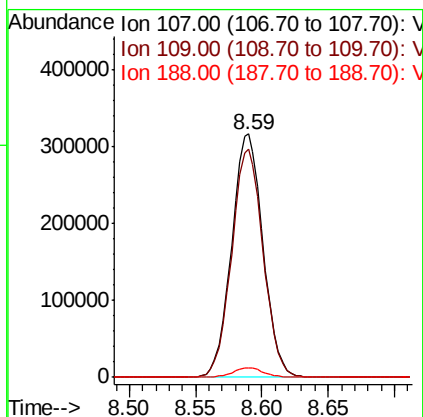
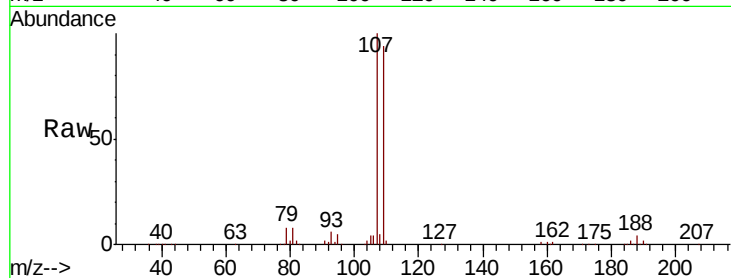




#50
1,2-Dibromoethane
Concen: 198.881 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

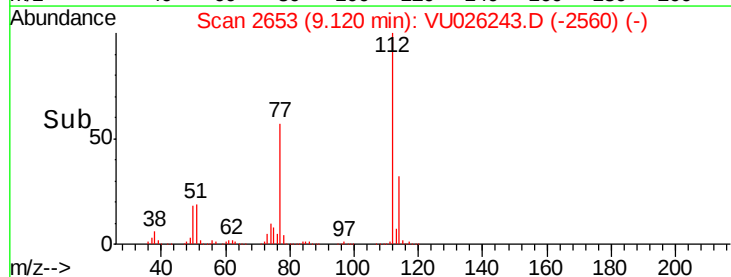
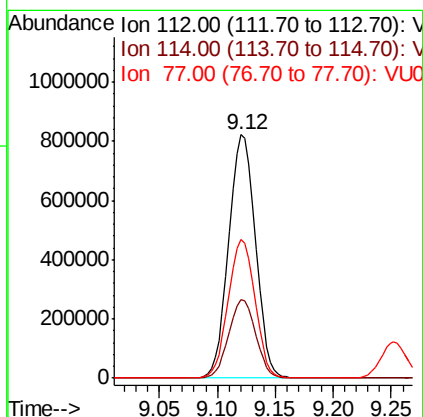
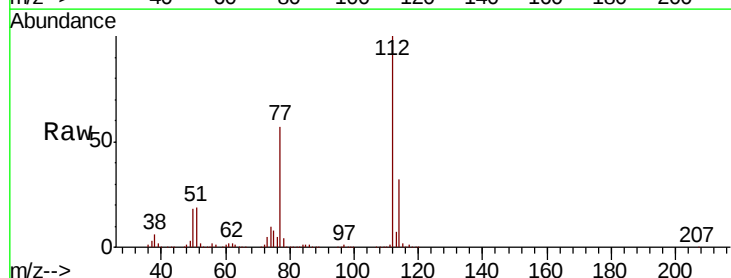
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

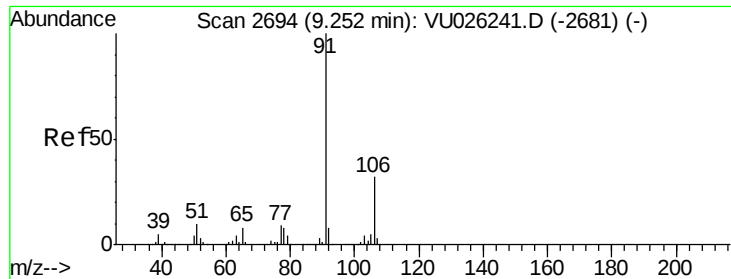
Tgt Ion:107 Resp: 517644
Ion Ratio Lower Upper
107 100
109 93.7 65.2 121.0
188 4.0 3.4 5.2



#51
Chlorobenzene
Concen: 200.504 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026243.D
Acq: 22 Aug 2018 12:52

Tgt Ion:112 Resp: 1312268
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.9
77 56.8 45.4 68.2





#52

Ethylbenzene

Concen: 210.440 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

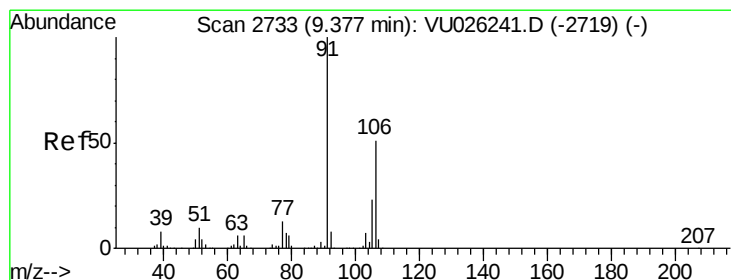
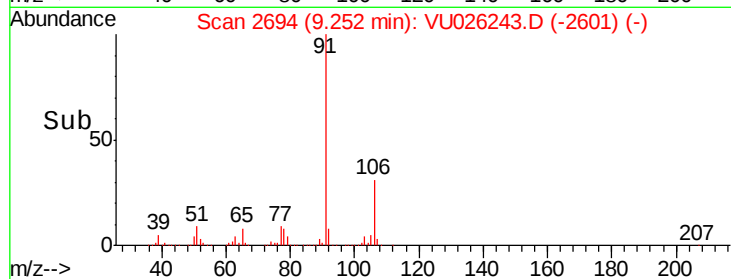
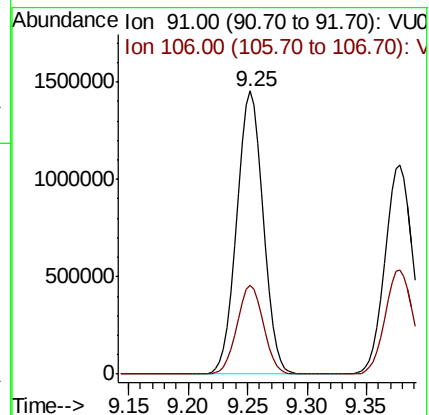
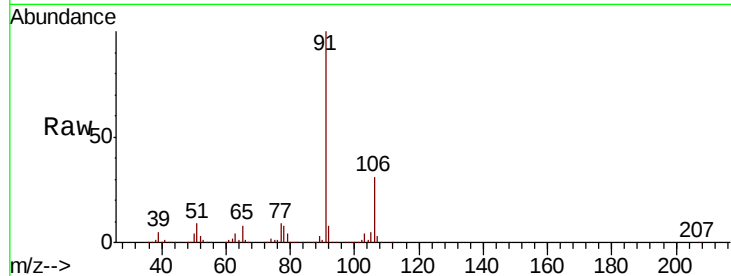
VSTD20044

Tgt Ion: 91 Resp: 2237997

Ion Ratio Lower Upper

91 100

106 31.5 22.3 41.5



#53

m,p-Xylene

Concen: 213.670 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026243.D

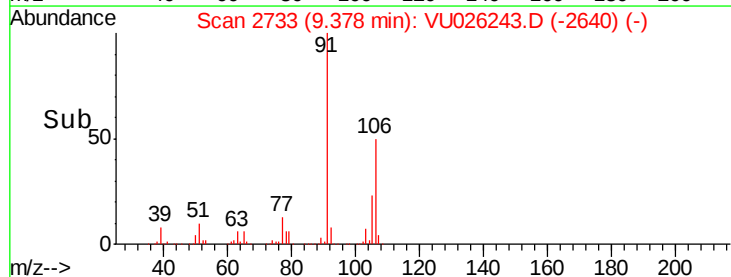
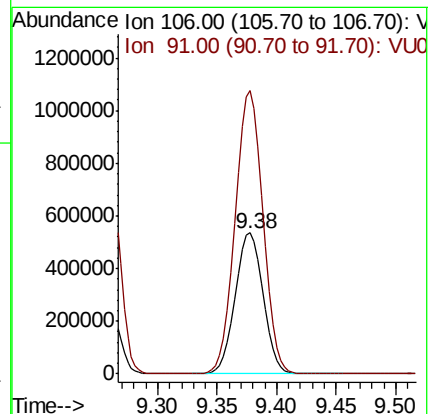
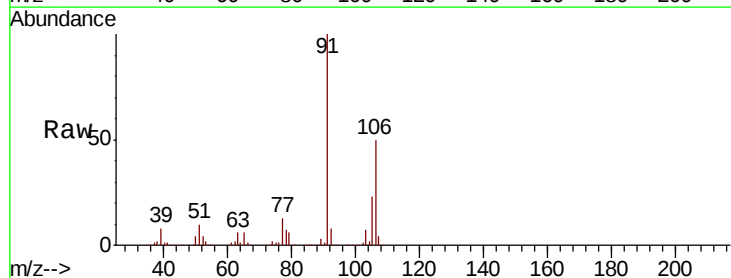
Acq: 22 Aug 2018 12:52

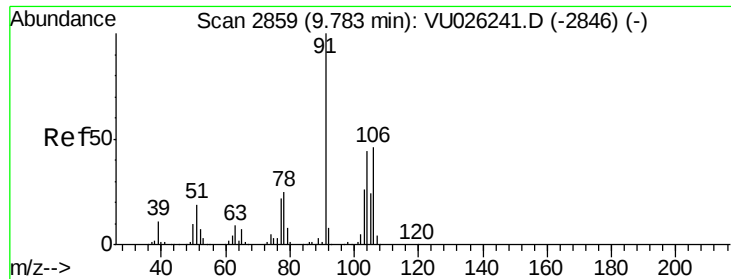
Tgt Ion: 106 Resp: 870877

Ion Ratio Lower Upper

106 100

91 200.5 136.6 253.8





#54

o-xylene

Concen: 212.654 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

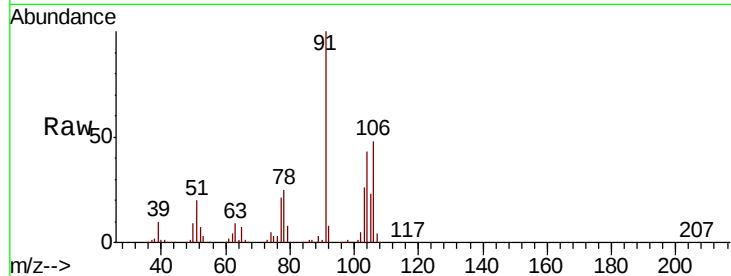
VSTD20044

Tgt Ion:106 Resp: 857180

Ion Ratio Lower Upper

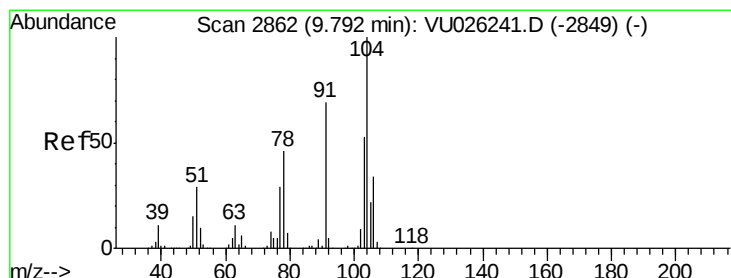
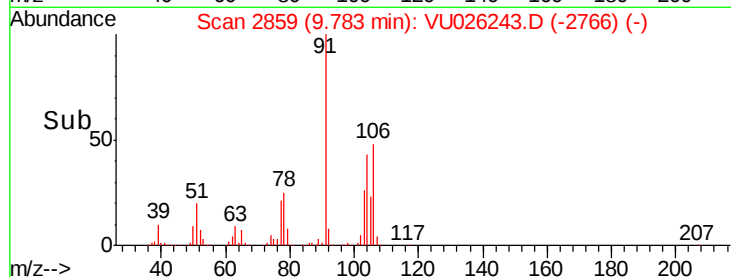
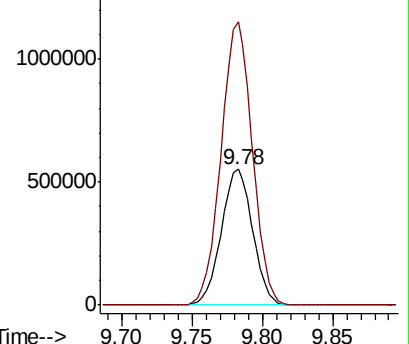
106 100

91 208.0 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 221.120 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026243.D

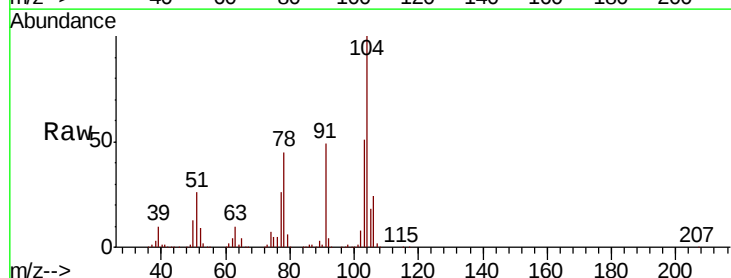
Acq: 22 Aug 2018 12:52

Tgt Ion:104 Resp: 1491856

Ion Ratio Lower Upper

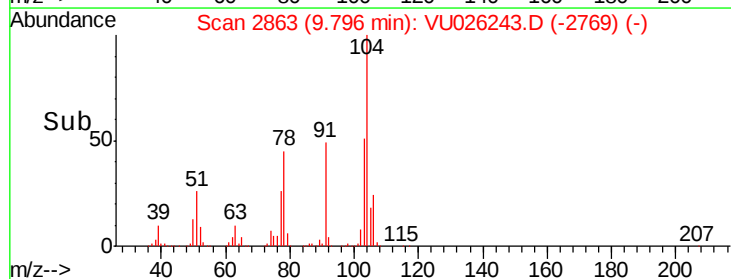
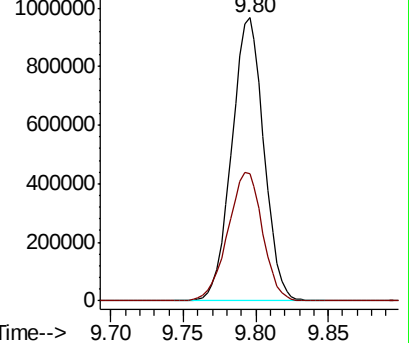
104 100

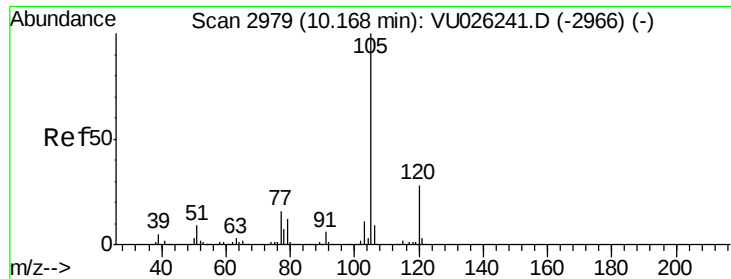
78 44.7 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 218.715 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

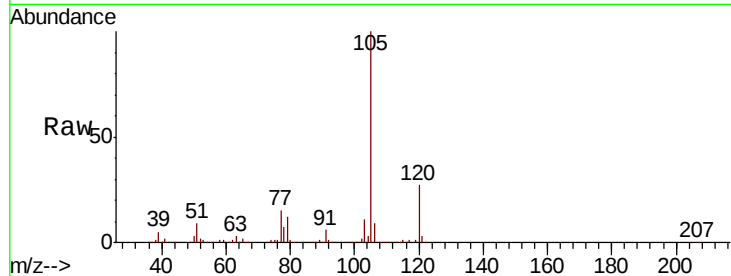
Tgt Ion:105 Resp: 2265459

Ion Ratio Lower Upper

105 100

120 26.7 21.9 32.9

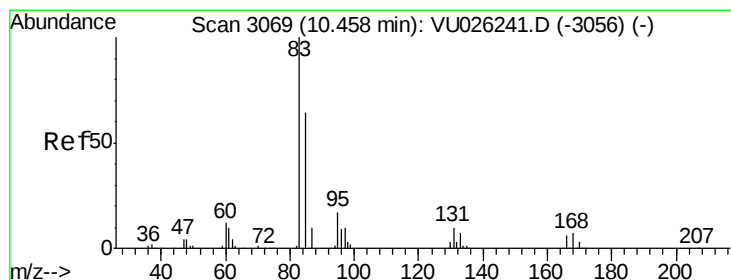
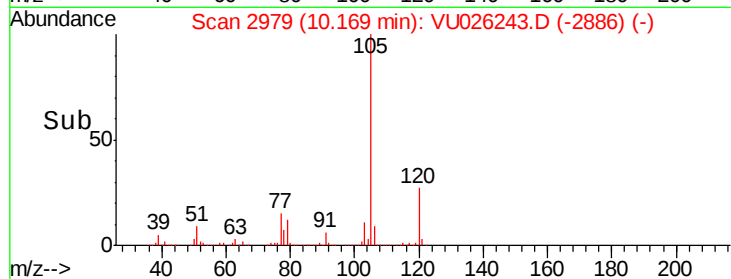
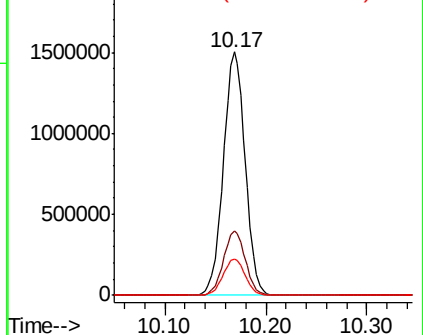
77 15.2 12.4 18.6



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: 199.824 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

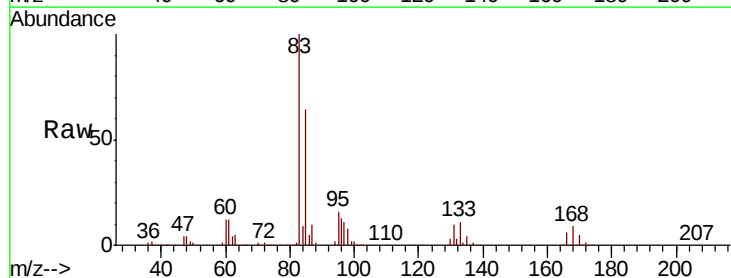
Tgt Ion: 83 Resp: 808296

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

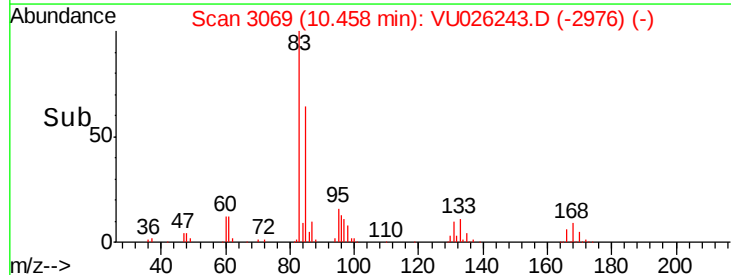
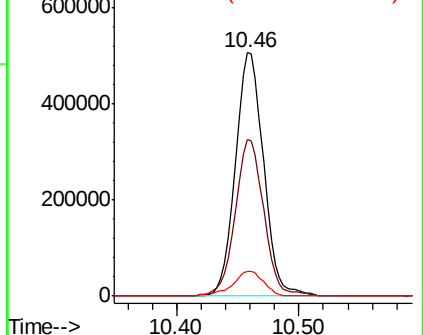
131 10.4 8.2 12.2

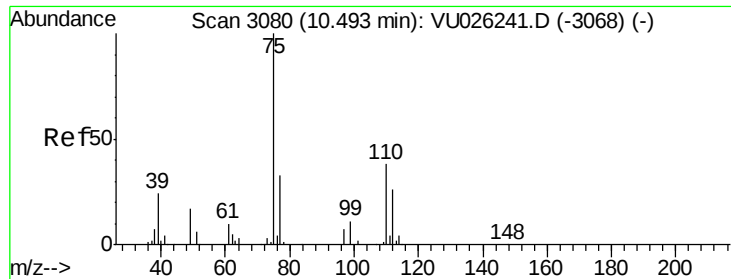


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 197.545 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

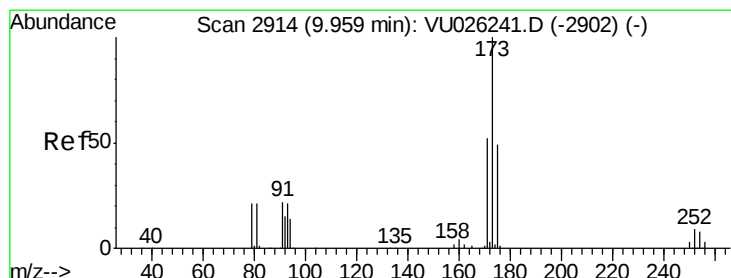
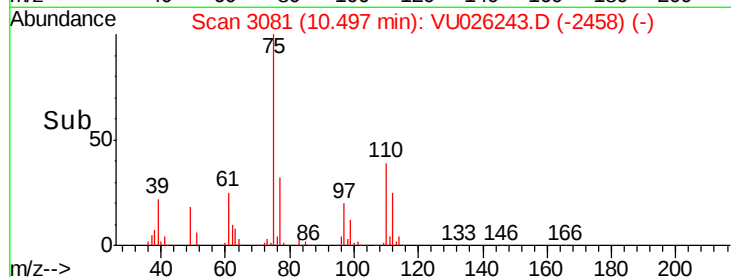
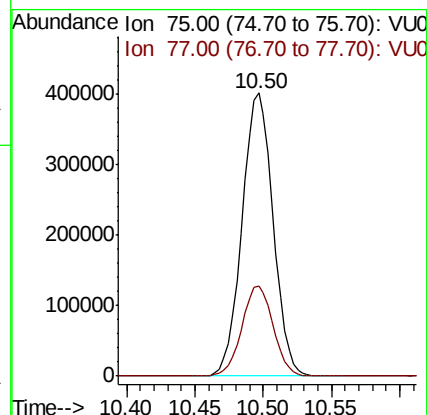
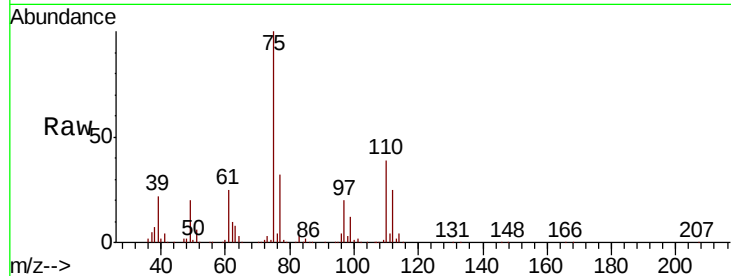
VSTD20044

Tgt Ion: 75 Resp: 633275

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#61

Bromoform

Concen: 186.757 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

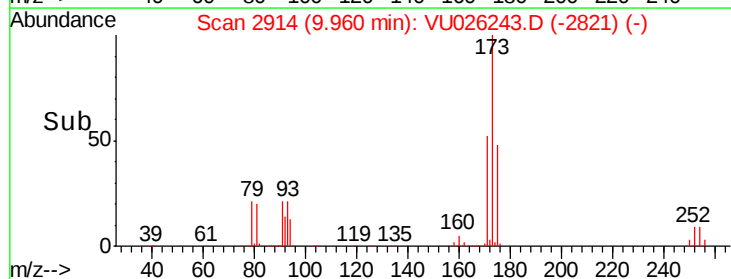
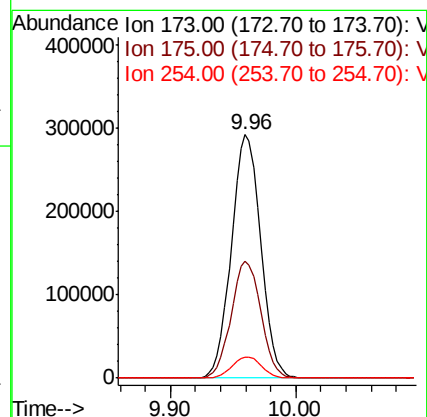
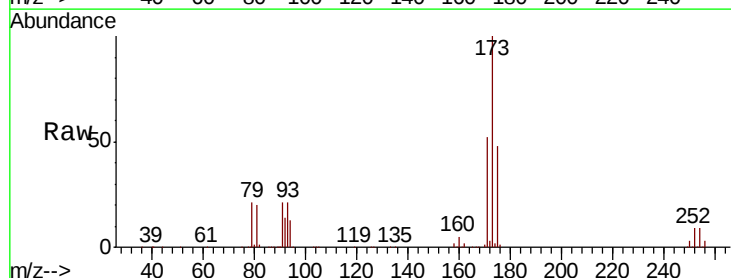
Tgt Ion: 173 Resp: 473763

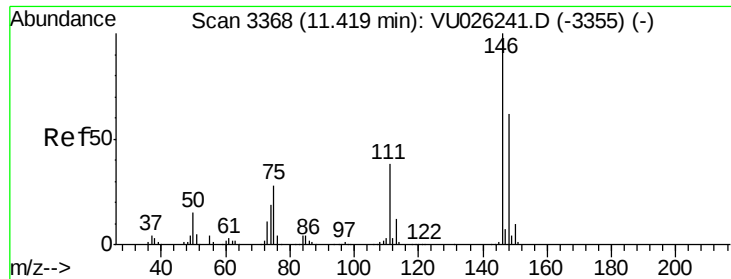
Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.2

254 8.8 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 192.625 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

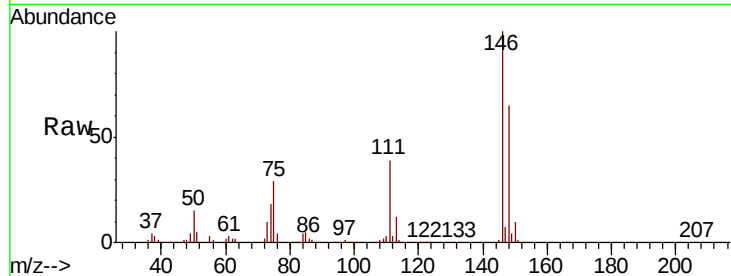
Tgt Ion:146 Resp: 1127679

Ion Ratio Lower Upper

146 100

111 39.2 26.9 50.1

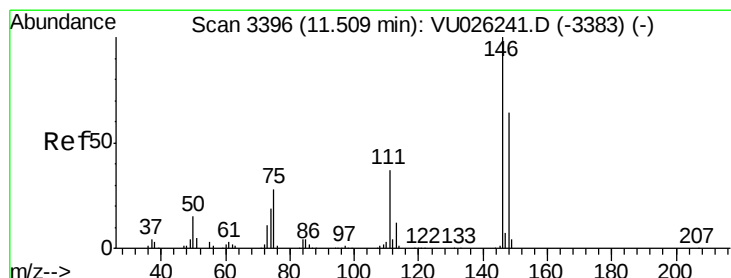
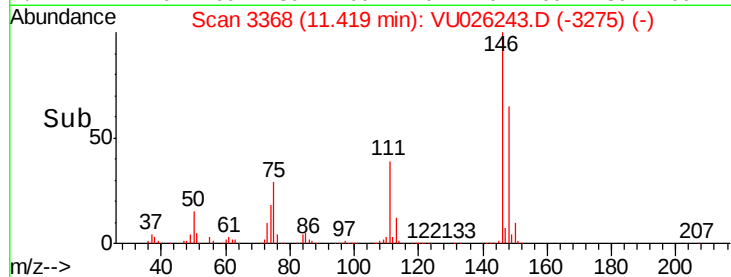
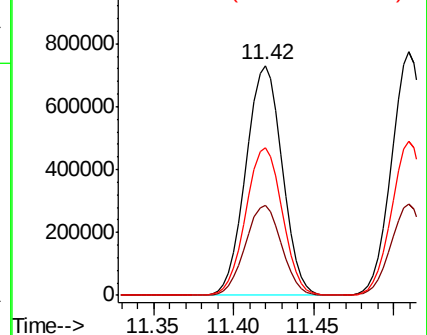
148 64.5 43.7 81.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 190.011 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

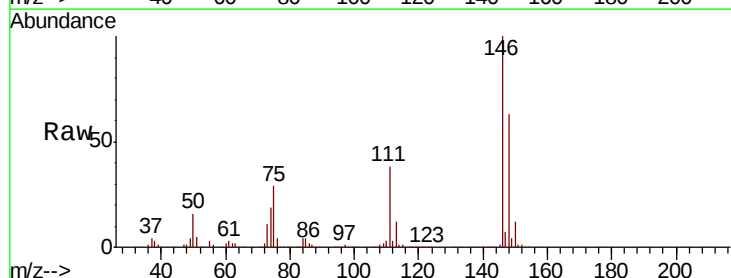
Tgt Ion:146 Resp: 1165555

Ion Ratio Lower Upper

146 100

111 37.6 25.9 48.1

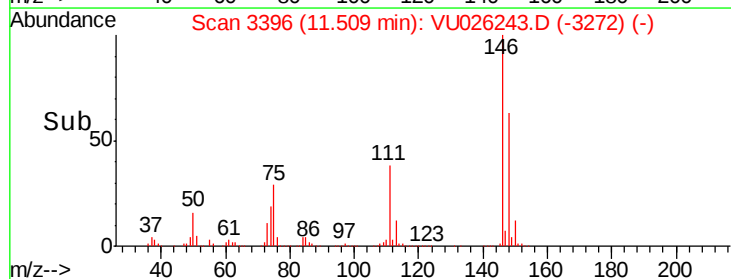
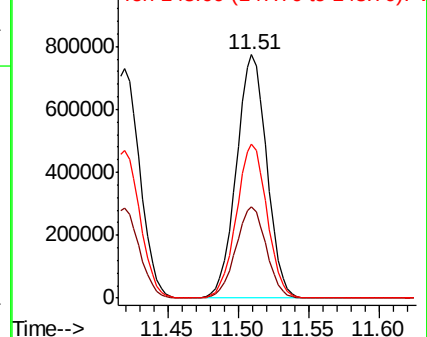
148 63.5 44.5 82.7

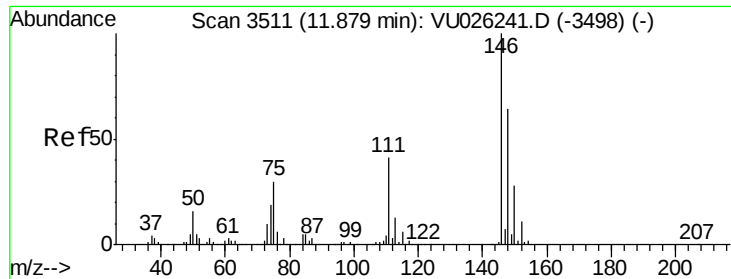


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 184.267 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

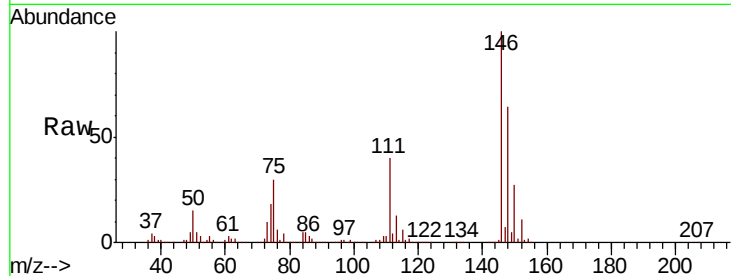
Tgt Ion:146 Resp: 1145767

Ion Ratio Lower Upper

146 100

111 40.2 32.6 48.8

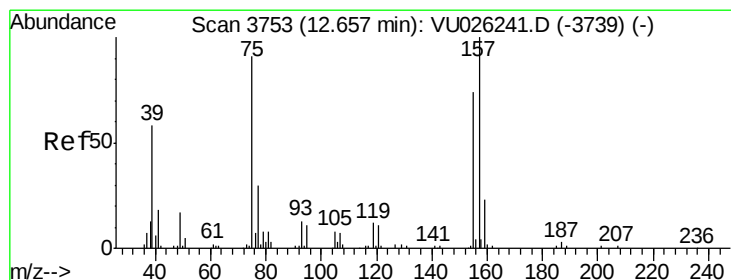
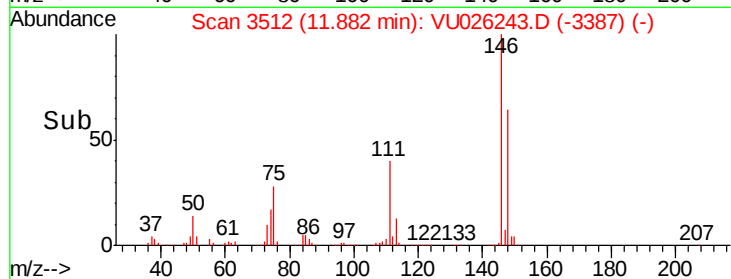
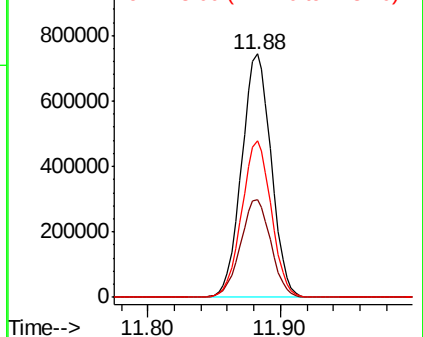
148 64.1 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 174.263 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

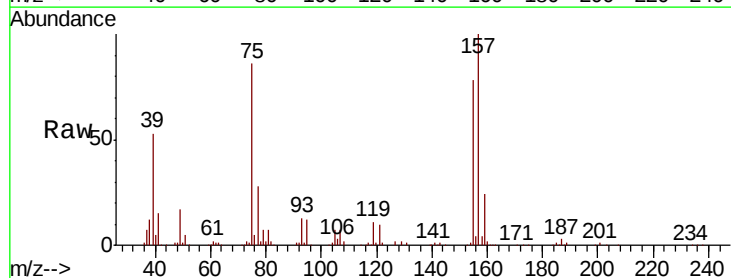
Tgt Ion: 75 Resp: 189028

Ion Ratio Lower Upper

75 100

155 90.8 65.0 97.6

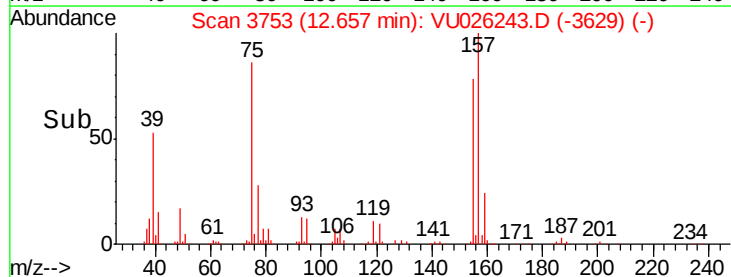
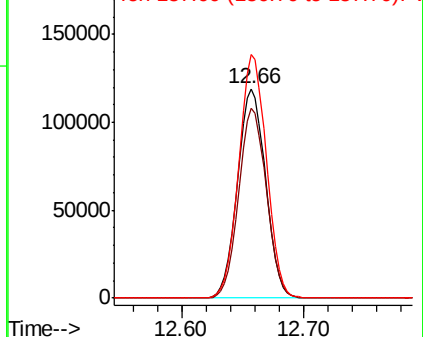
157 116.2 87.5 131.3

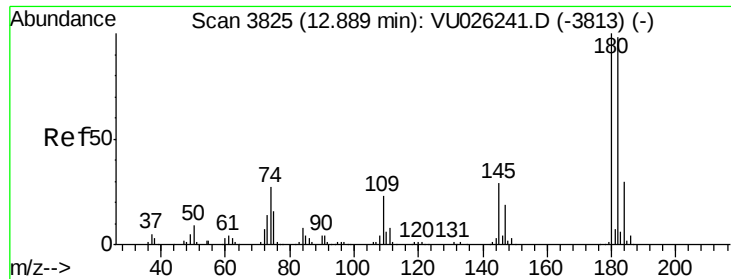


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

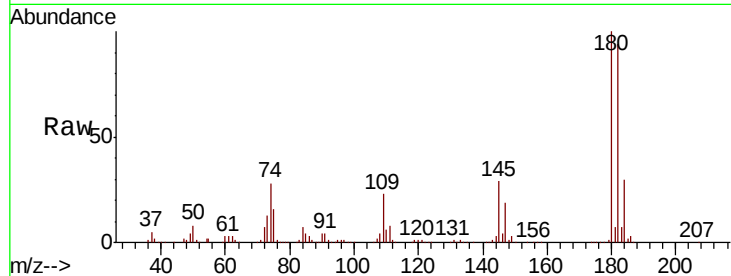




#67
 1,3,5-Trichlorobenzene
 Concen: 204.573 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026243.D
 Acq: 22 Aug 2018 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.9	116.9
184	30.1	24.2	36.4
145	29.0	23.4	35.2



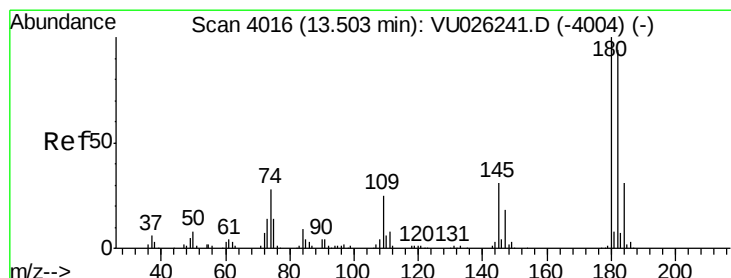
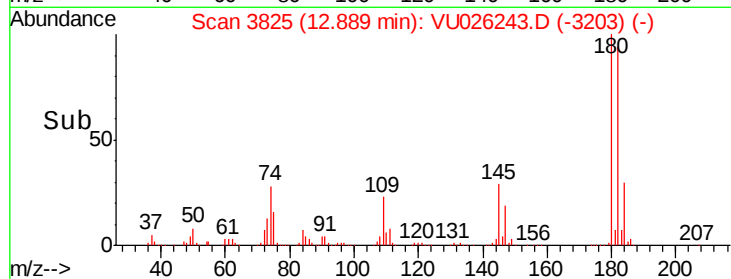
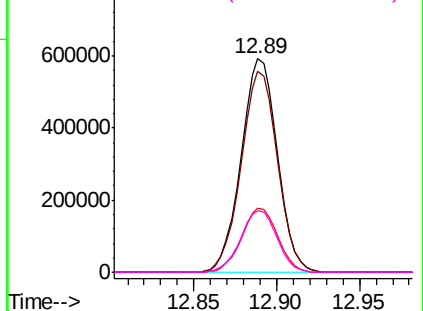
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

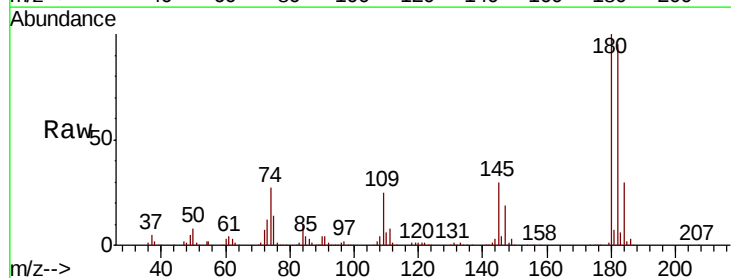
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 217.824 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026243.D
 Acq: 22 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.6
145	30.1	23.8	35.8

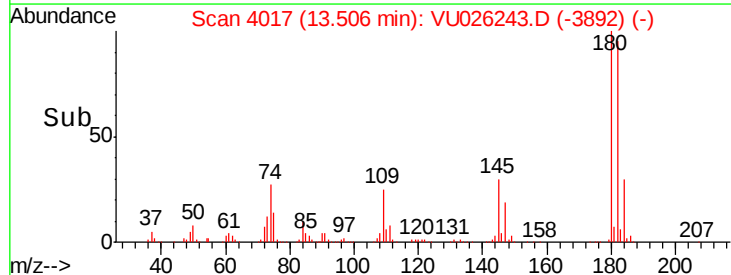
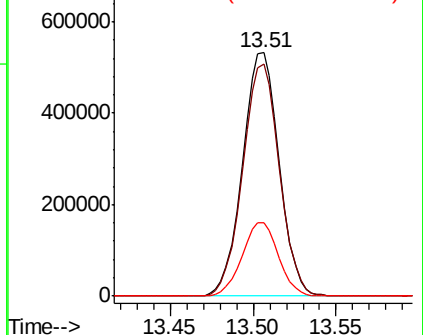


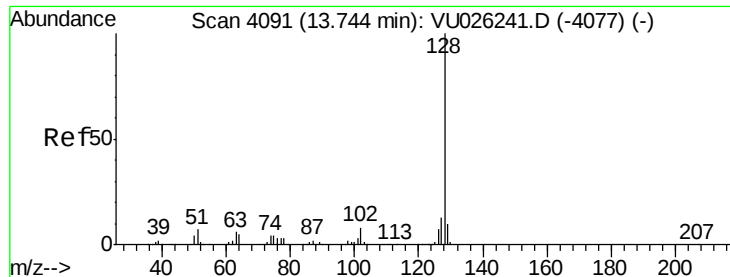
Abundance

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: 215.341 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

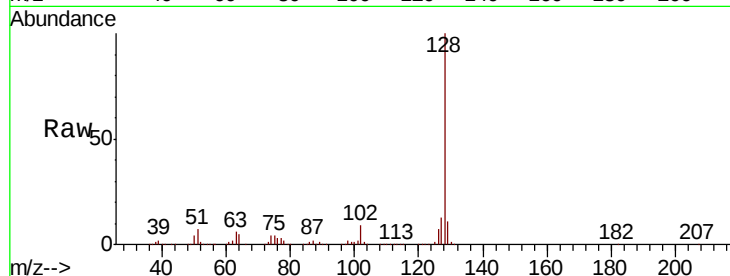
Tgt Ion:128 Resp: 2570994

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

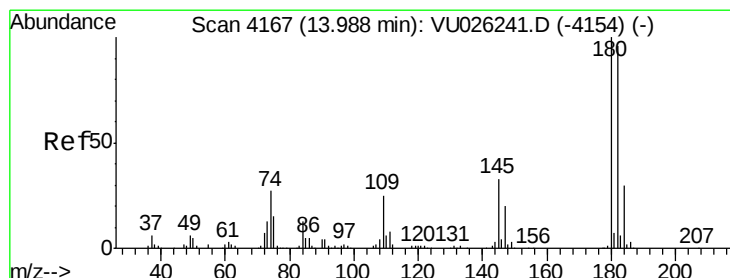
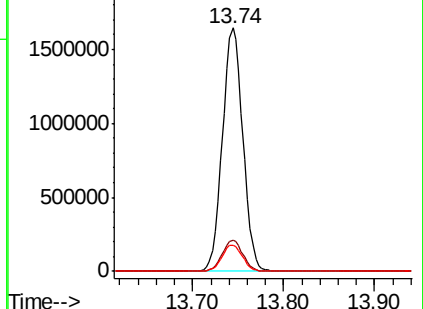
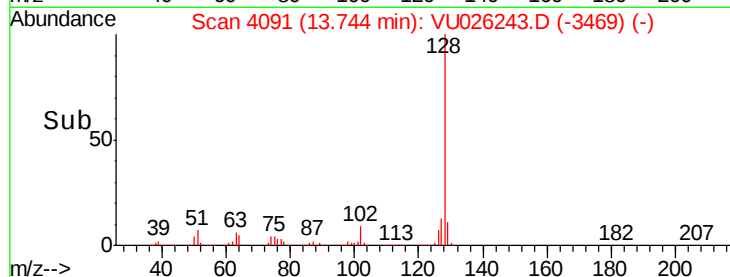
129 10.9 8.4 12.6



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: 208.314 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026243.D

Acq: 22 Aug 2018 12:52

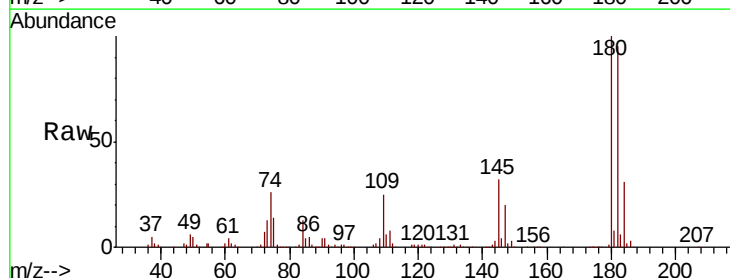
Tgt Ion:180 Resp: 835726

Ion Ratio Lower Upper

180 100

182 94.9 77.6 116.4

145 31.5 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

