

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026242.D
 Acq On : 22 Aug 2018 12:29
 Operator : MD/SY
 Sample : VSTD10043
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

Quant Time: Aug 23 04:41:47 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	309800	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	299920	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	169122	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	191744	87.40	ug/L	0.00
7) Chloroethane-d5	1.67	69	154604	88.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	373562	89.65	ug/L	0.00
21) 2-Butanone-d5	4.18	46	309677	170.43	ug/L	0.00
24) Chloroform-d	4.65	84	430492	91.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	273825	86.77	ug/L	0.00
32) Benzene-d6	5.35	84	823535	90.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	264411	90.35	ug/L	0.00
41) Toluene-d8	7.57	98	807754	92.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	138945	93.51	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	240071	182.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	388138	90.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	345883	85.32	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	257720	95.978	ug/L	100
3) Chloromethane	1.33	50	236454	97.508	ug/L	99
5) Vinyl chloride	1.40	62	233230	100.020	ug/L	97
6) Bromomethane	1.62	94	149838	116.831	ug/L	100
8) Chloroethane	1.70	64	135457	96.519	ug/L	99
9) Trichlorofluoromethane	1.88	101	332072	98.719	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	186345	96.567	ug/L	100
12) 1,1-Dichloroethene	2.28	96	170812	96.546	ug/L	93
13) Acetone	2.32	43	229333	192.816	ug/L	99
14) Carbon disulfide	2.48	76	628722	105.023	ug/L	100
15) Methyl Acetate	2.62	43	232087	95.165	ug/L	99
16) Methylene chloride	2.70	84	225972	98.256	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	205292	102.373	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	653357	99.889	ug/L	100
19) 1,1-Dichloroethane	3.45	63	382648	98.082	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	235739	102.152	ug/L	98
22) 2-Butanone	4.26	43	326868	193.772	ug/L	98
23) Bromochloromethane	4.55	128	124824	101.452	ug/L	97
25) Chloroform	4.68	83	406626	100.536	ug/L	98
27) 1,2-Dichloroethane	5.41	62	325269	97.996	ug/L	100
29) Cyclohexane	5.00	56	343044	102.524	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	362660	95.752	ug/L	100
31) Carbon tetrachloride	5.14	117	337903	97.702	ug/L	100
33) Benzene	5.39	78	866705	100.766	ug/L	100
34) Trichloroethene	6.19	95	226922	101.482	ug/L	99
35) Methylcyclohexane	6.42	83	370100	107.545	ug/L	99
37) 1,2-Dichloropropane	6.44	63	234095	99.614	ug/L	99
38) Bromodichloromethane	6.76	83	314283	100.478	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	367099	103.825	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	612270	193.332	ug/L	100

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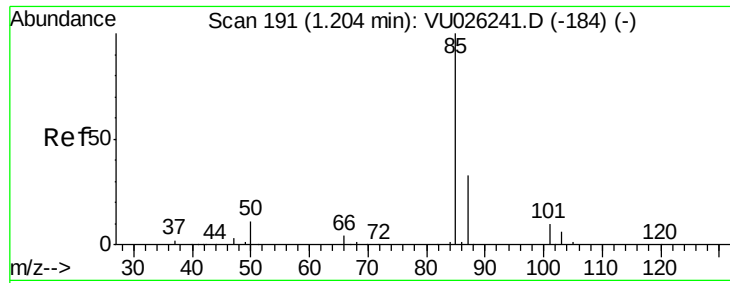
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	947430	103.876	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	362223	106.889	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	222450	99.723	ug/L	98
46) Tetrachloroethene	8.23	164	195694	102.575	ug/L	96
48) 2-Hexanone	8.36	43	485733	195.381	ug/L	98
49) Dibromochloromethane	8.48	129	278694	103.228	ug/L	99
50) 1,2-Dibromoethane	8.59	107	244644	100.320	ug/L	98
51) Chlorobenzene	9.12	112	623253	101.638	ug/L	99
52) Ethylbenzene	9.25	91	1048389	105.216	ug/L	100
53) m,p-Xylene	9.38	106	412725	108.079	ug/L	97
54) o-xylene	9.78	106	406185	107.552	ug/L	96
55) Styrene	9.79	104	702179	111.081	ug/L	99
56) Isopropylbenzene	10.17	105	1062207	109.452	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	374855	98.909	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	291029	96.895	ug/L	99
61) Bromoform	9.96	173	213588	93.260	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	512773	97.018	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	527926	95.328	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	533494	95.034	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	88480	90.349	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	408395	102.873	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	365883	108.171	ug/L	99
69) Naphthalene	13.74	128	1170450	108.587	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	386141	106.611	ug/L	98

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

```
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```



#2

Dichlorodifluoromethane

Concen: 95.978 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

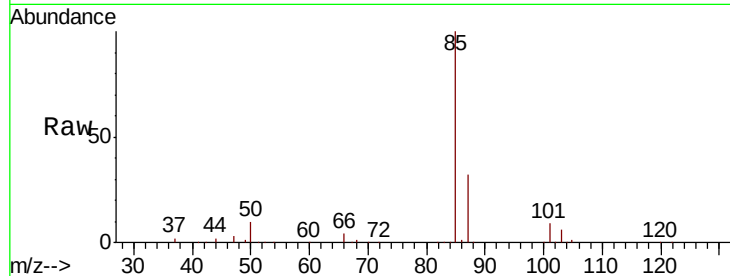
VSTD10043

Tgt Ion: 85 Resp: 257720

Ion Ratio Lower Upper

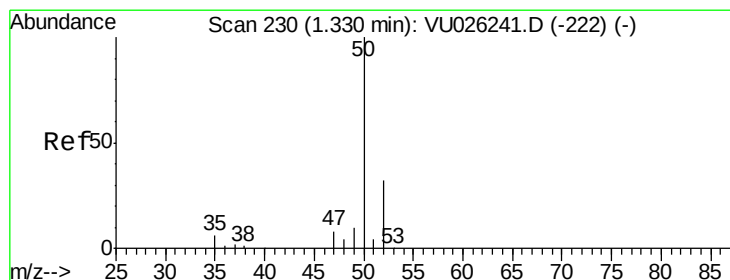
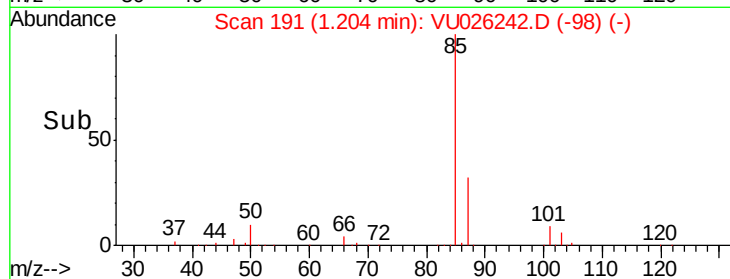
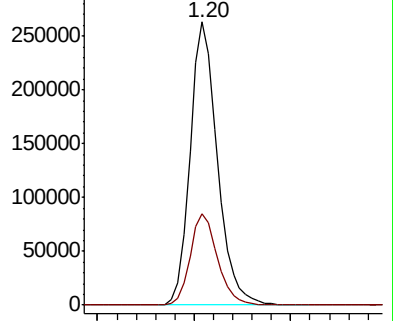
85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU026242.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU026242.D (-184) (-)



#3

Chloromethane

Concen: 97.508 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026242.D

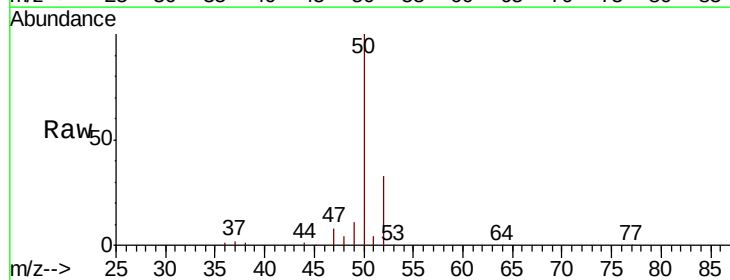
Acq: 22 Aug 2018 12:29

Tgt Ion: 50 Resp: 236454

Ion Ratio Lower Upper

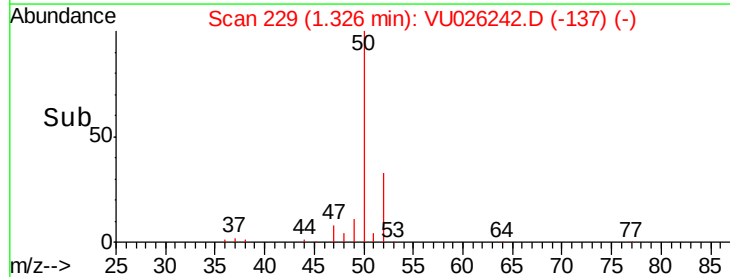
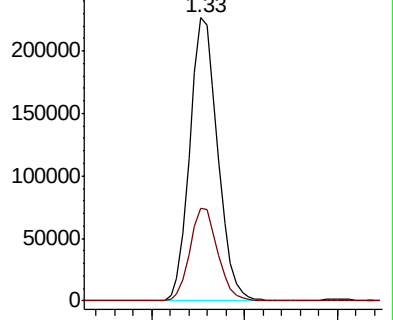
50 100

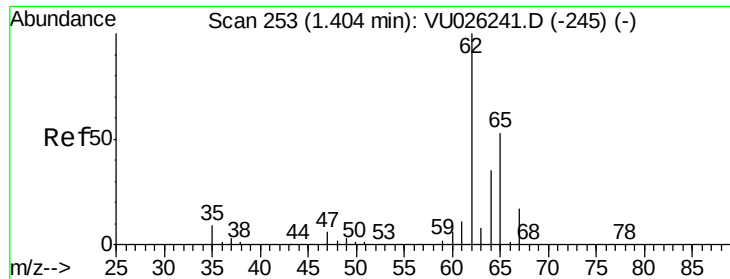
52 33.0 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU026242.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU026242.D (-137) (-)





#5

Vinyl chloride

Concen: 100.020 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

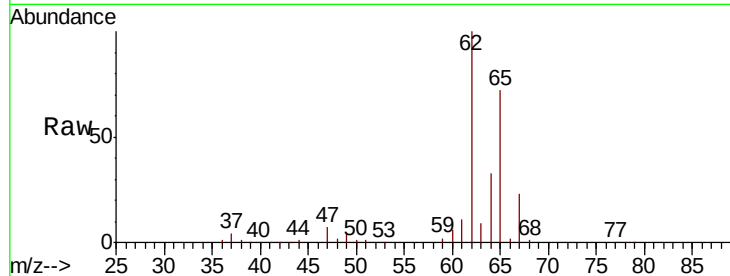
VSTD10043

Tgt Ion: 62 Resp: 233230

Ion Ratio Lower Upper

62 100

64 32.9 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

250000

200000

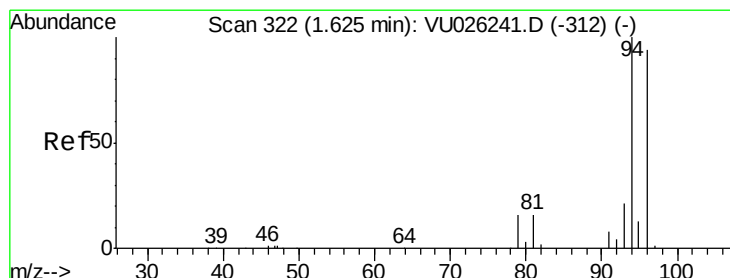
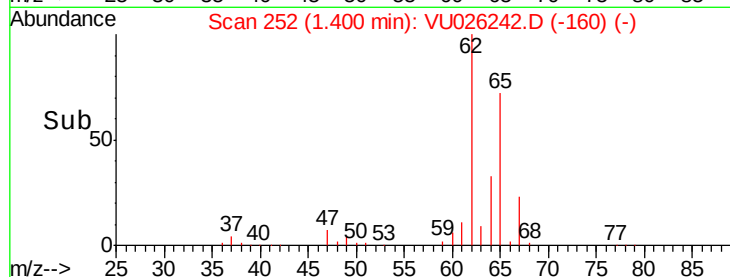
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 116.831 ug/L

RT: 1.62 min Scan# 320

Delta R.T. -0.01 min

Lab File: VU026242.D

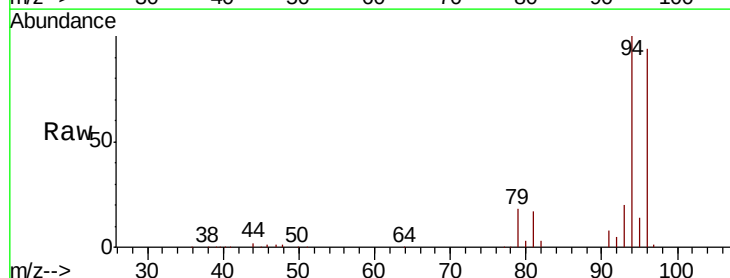
Acq: 22 Aug 2018 12:29

Tgt Ion: 94 Resp: 149838

Ion Ratio Lower Upper

94 100

96 93.9 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

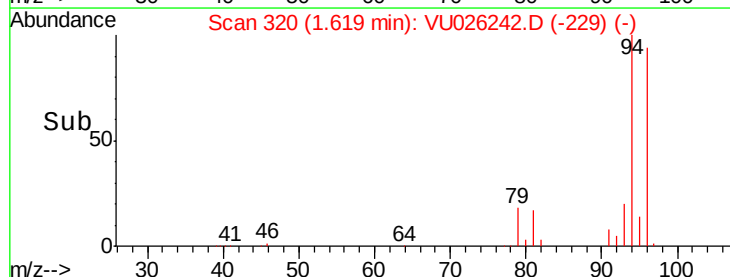
1.62

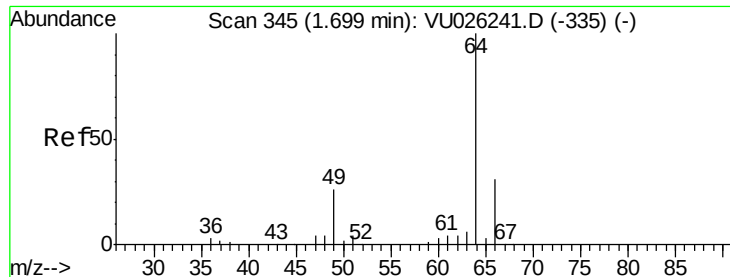
100000

50000

0

Time-->

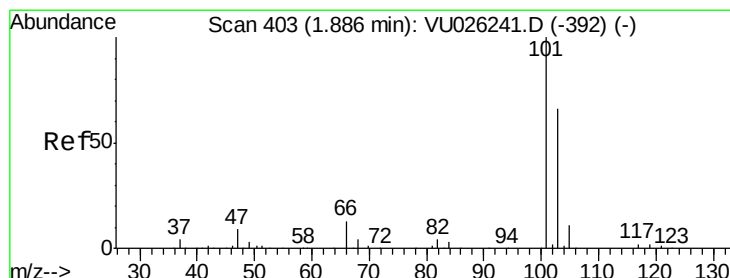
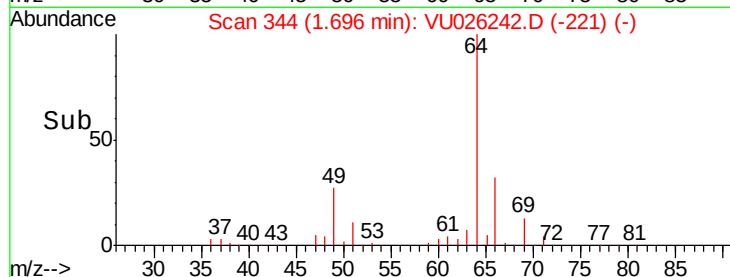
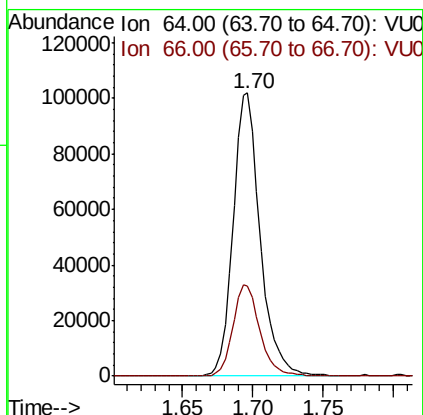
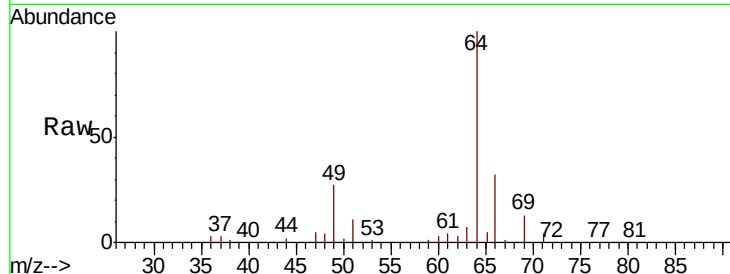




#8
Chloroethane
Concen: 96.519 ug/L
RT: 1.70 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

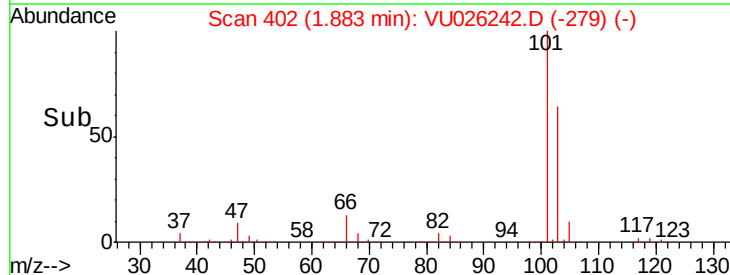
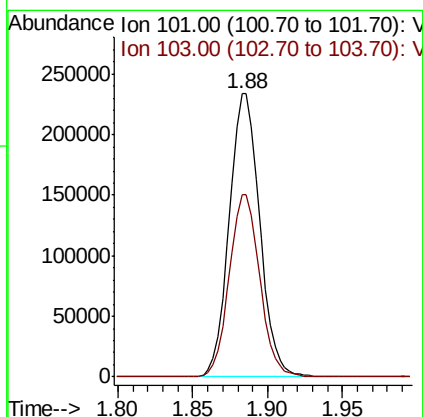
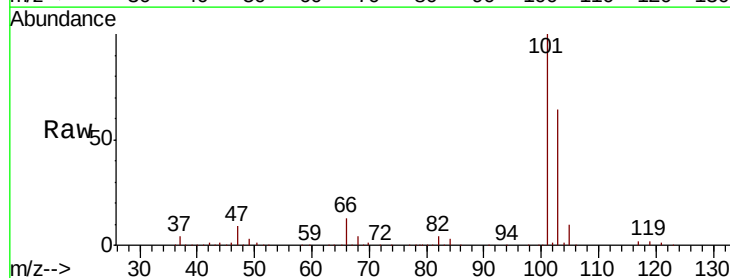
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

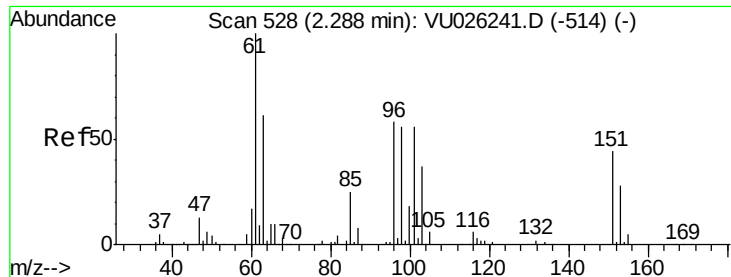
Tgt Ion: 64 Resp: 135457
Ion Ratio Lower Upper
64 100
66 32.0 21.9 40.7



#9
Trichlorofluoromethane
Concen: 98.719 ug/L
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

Tgt Ion: 101 Resp: 332072
Ion Ratio Lower Upper
101 100
103 64.4 51.7 77.5





#10

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

Concen: 96.567 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

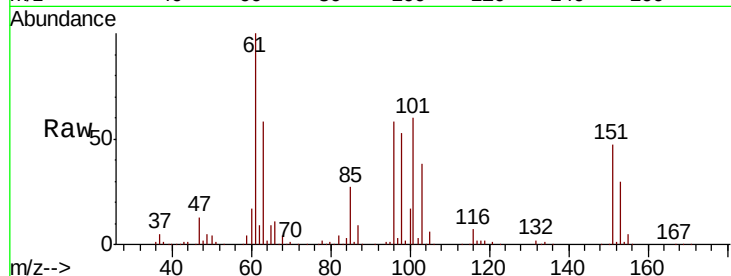
Tgt Ion: 101 Resp: 186345

Ion Ratio Lower Upper

101 100

85 45.2 35.8 53.6

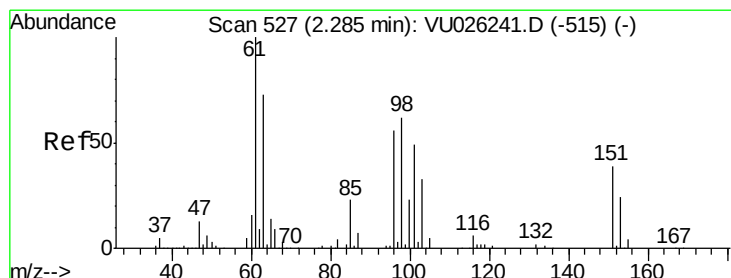
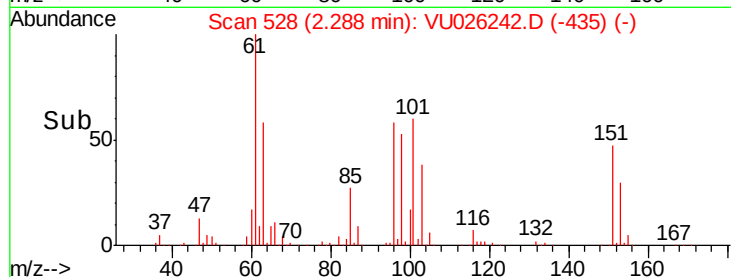
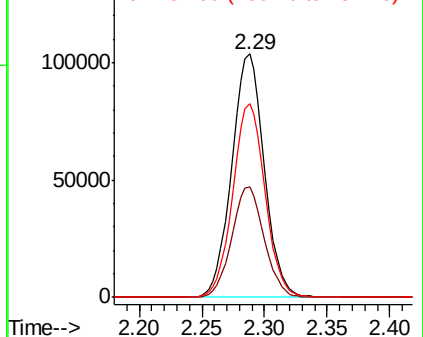
151 79.1 63.3 94.9



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: 96.546 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

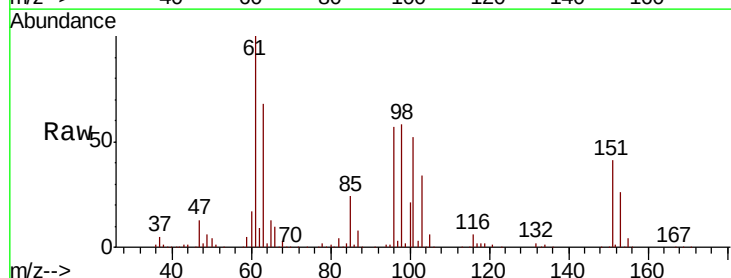
Tgt Ion: 96 Resp: 170812

Ion Ratio Lower Upper

96 100

61 174.9 124.7 231.5

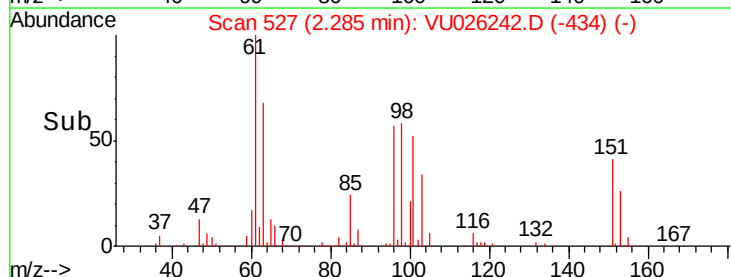
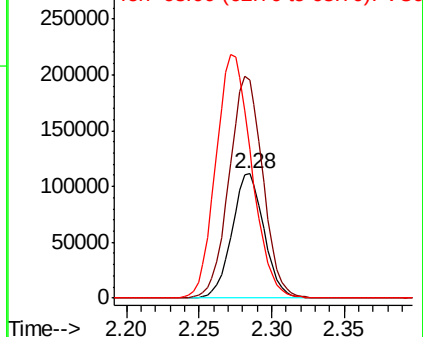
63 119.4 93.7 174.1

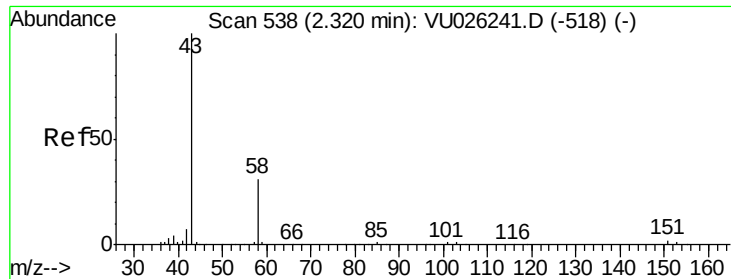


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 192.816 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

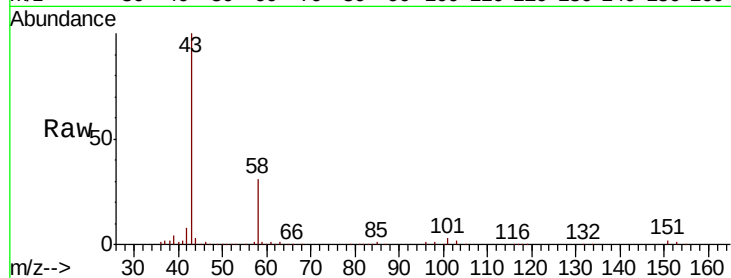
VSTD10043

Tgt Ion: 43 Resp: 229333

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

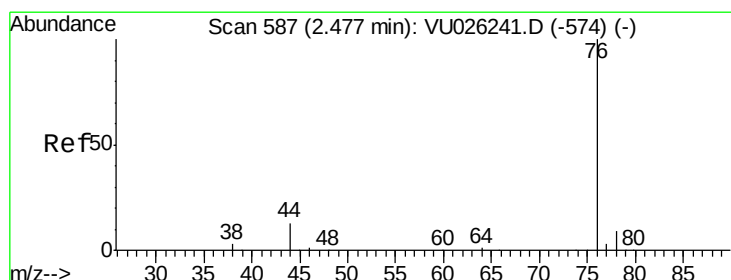
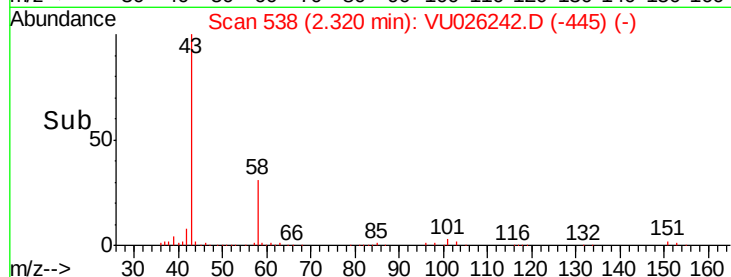
150000

100000

50000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 105.023 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026242.D

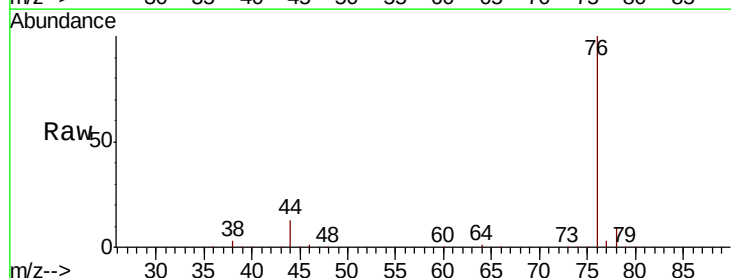
Acq: 22 Aug 2018 12:29

Tgt Ion: 76 Resp: 628722

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

400000

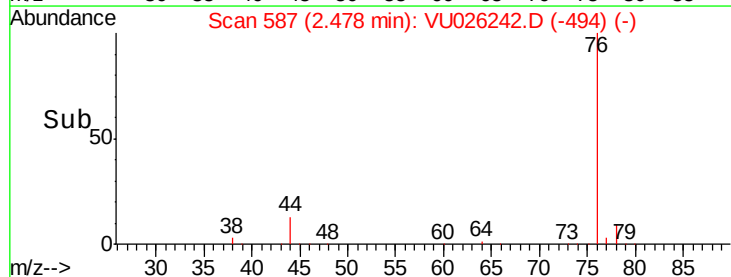
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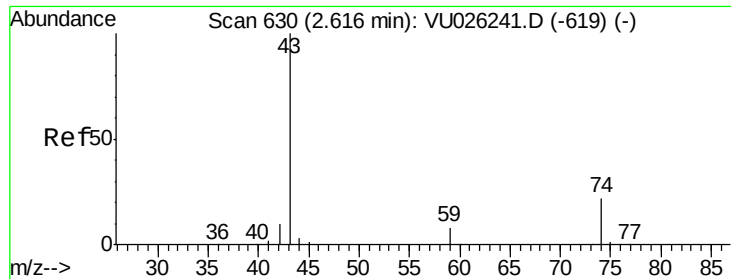
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100000

0

Time--> 2.40 2.45 2.50 2.55 2.60

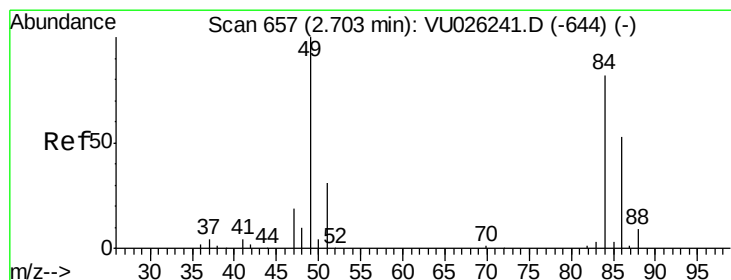
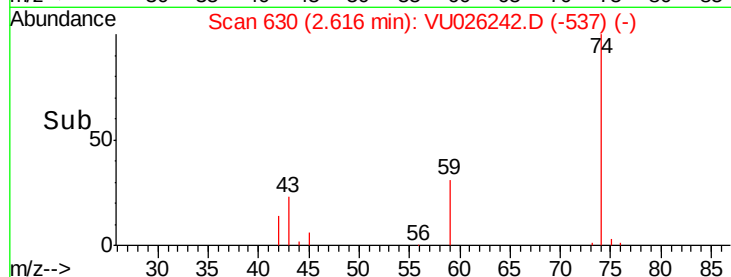
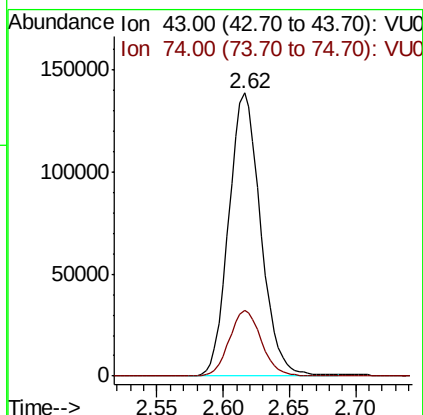
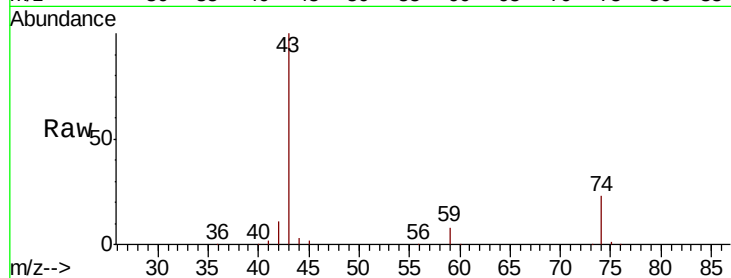




#15
Methyl Acetate
Concen: 95.165 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

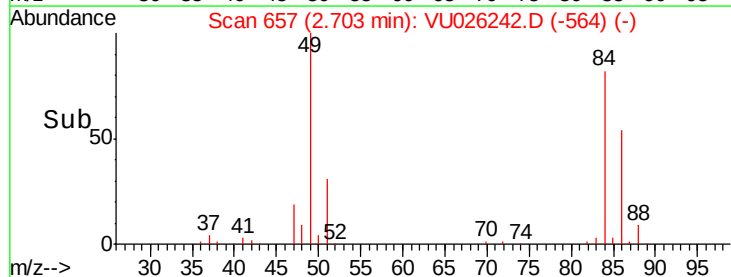
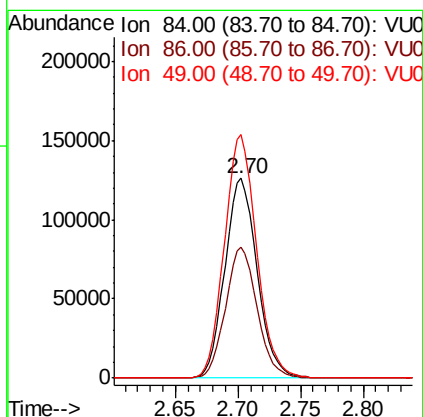
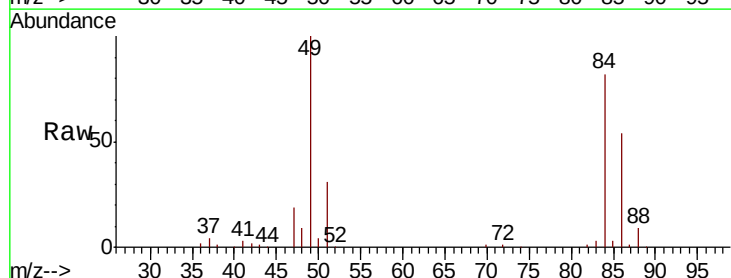
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

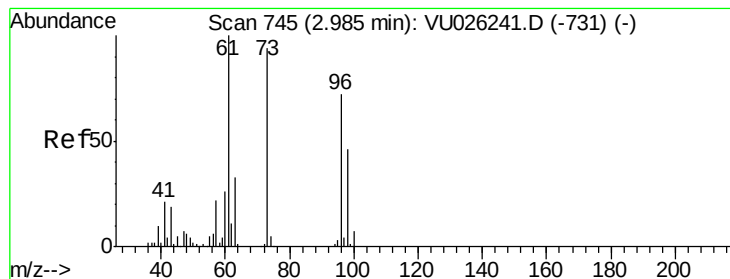
Tgt Ion: 43 Resp: 232087
Ion Ratio Lower Upper
43 100
74 23.5 18.6 27.8



#16
Methylene chloride
Concen: 98.256 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

Tgt Ion: 84 Resp: 225972
Ion Ratio Lower Upper
84 100
86 65.8 45.4 84.4
49 121.9 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 102.373 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

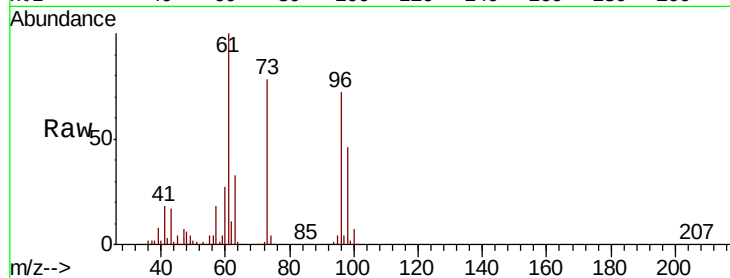
Tgt Ion: 96 Resp: 205292

Ion Ratio Lower Upper

96 100

61 139.3 97.9 181.9

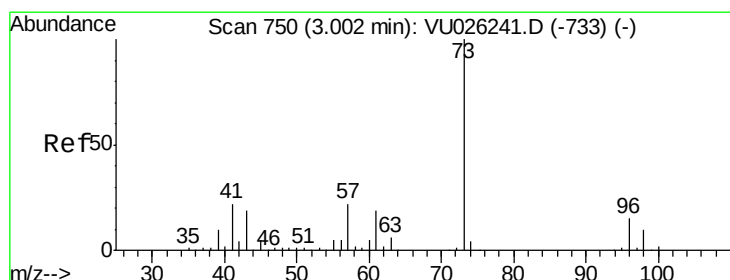
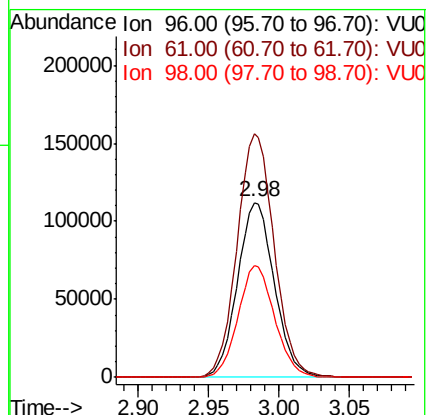
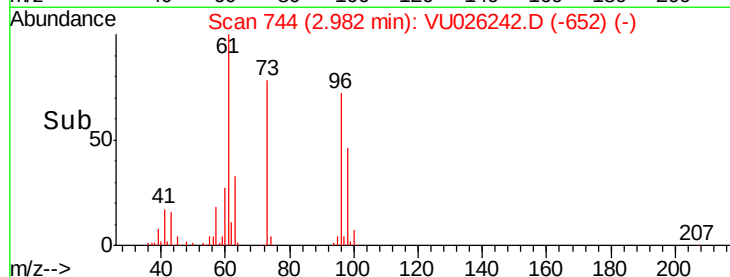
98 64.3 45.1 83.7



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: 99.889 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

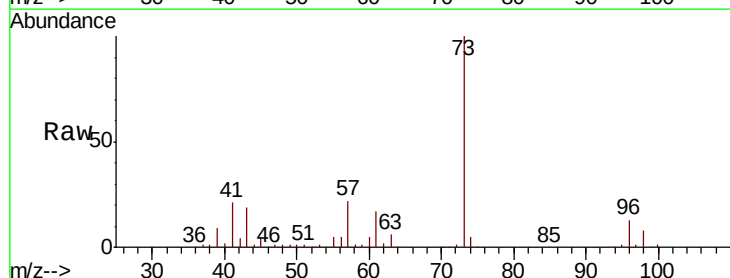
Tgt Ion: 73 Resp: 653357

Ion Ratio Lower Upper

73 100

43 19.6 15.7 23.5

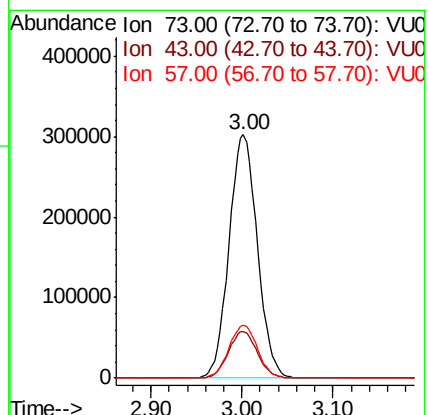
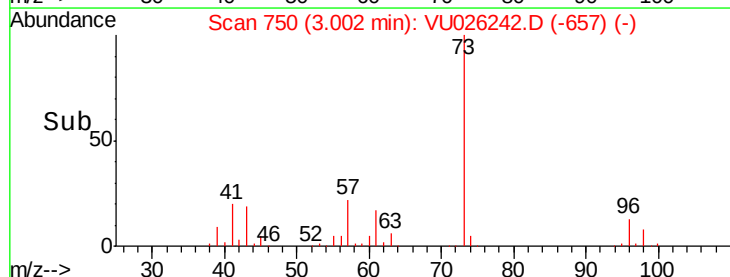
57 22.0 17.5 26.3

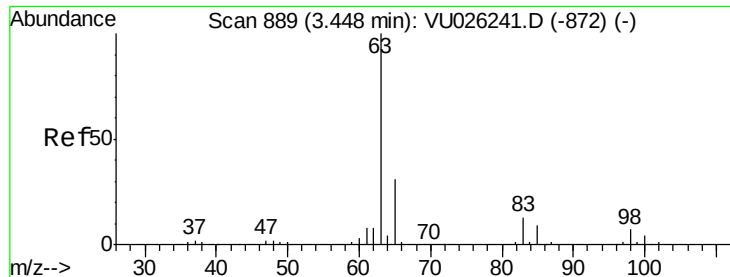


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 98.082 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

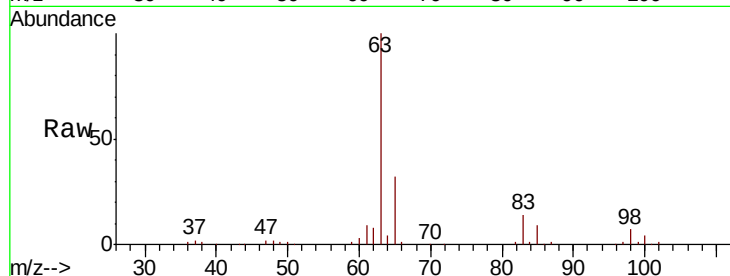
Tgt Ion: 63 Resp: 382648

Ion Ratio Lower Upper

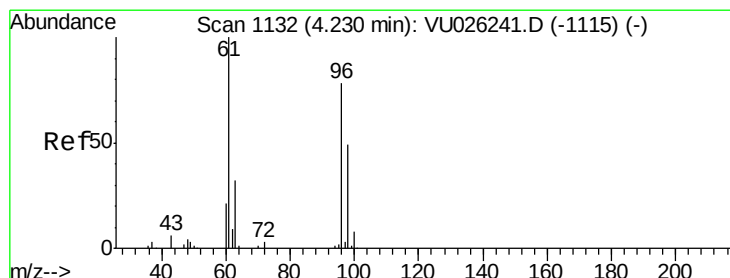
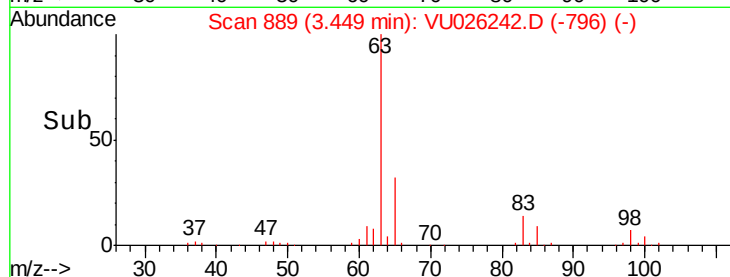
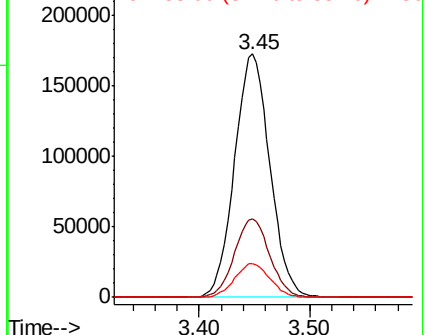
63 100

65 32.2 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: 102.152 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

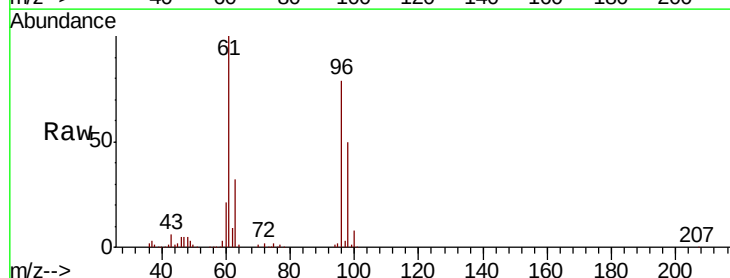
Tgt Ion: 96 Resp: 235739

Ion Ratio Lower Upper

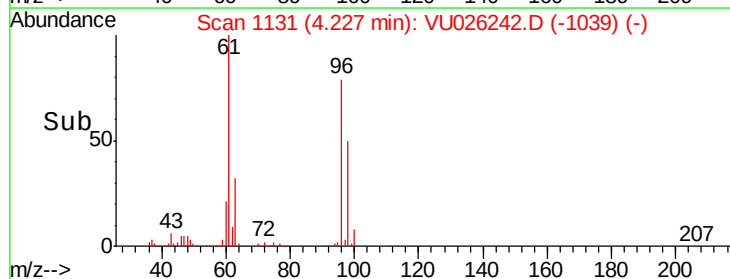
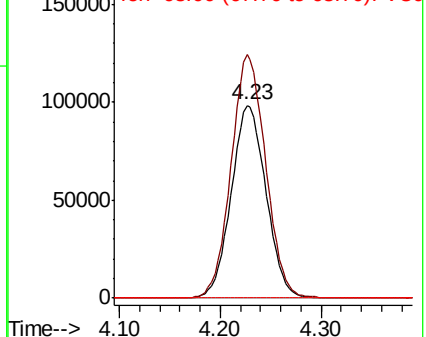
96 100

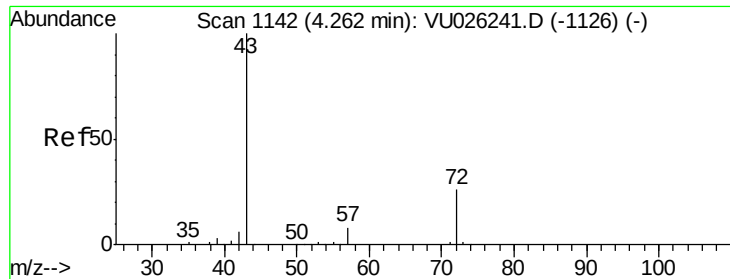
61 126.2 90.3 167.7

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: 193.772 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

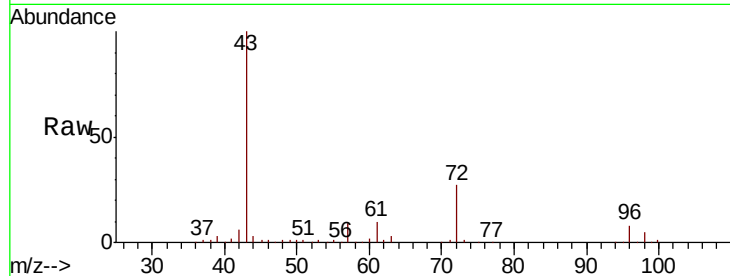
VSTD10043

Tgt Ion: 43 Resp: 326868

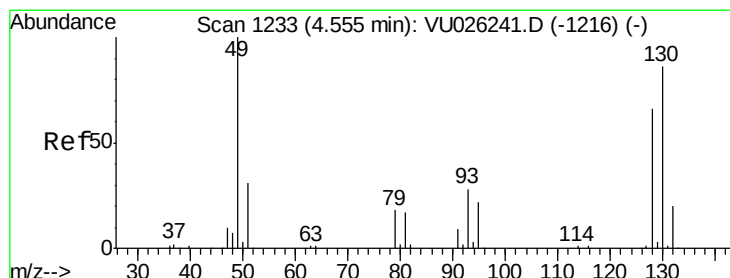
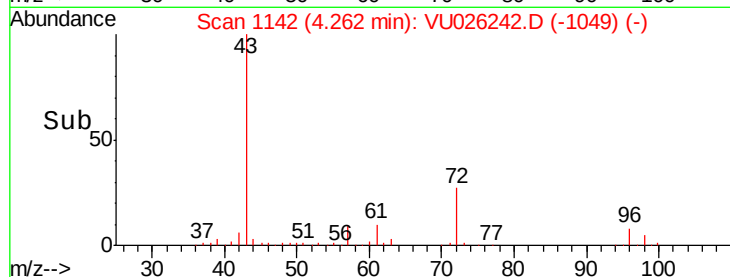
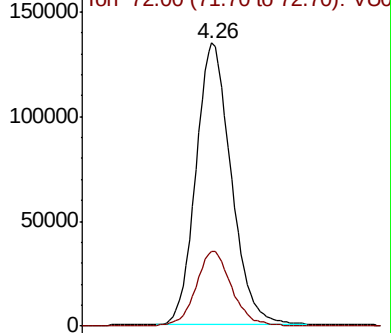
Ion Ratio Lower Upper

43 100

72 27.1 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026242.D (-1049) (-)



#23

Bromochloromethane

Concen: 101.452 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Tgt Ion: 128 Resp: 124824

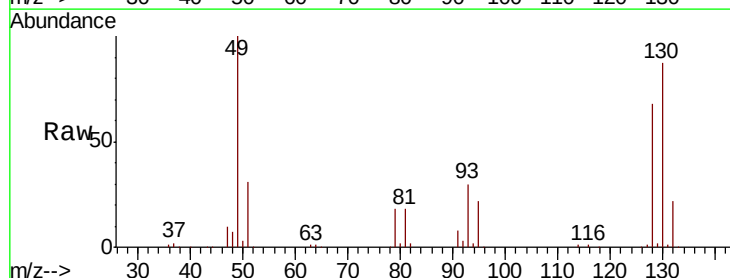
Ion Ratio Lower Upper

128 100

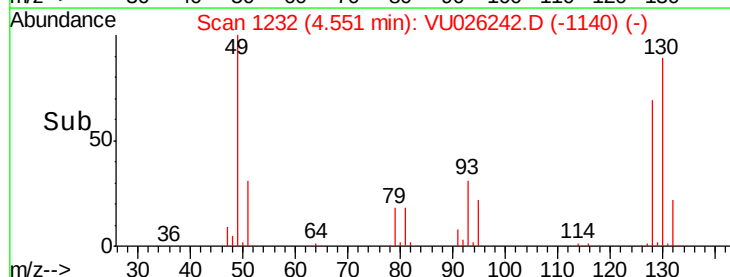
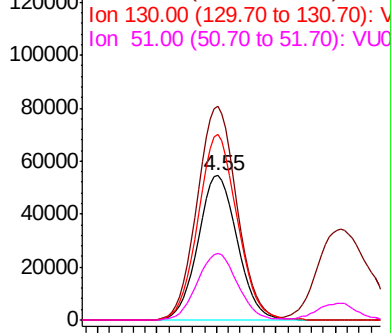
49 147.7 106.7 198.3

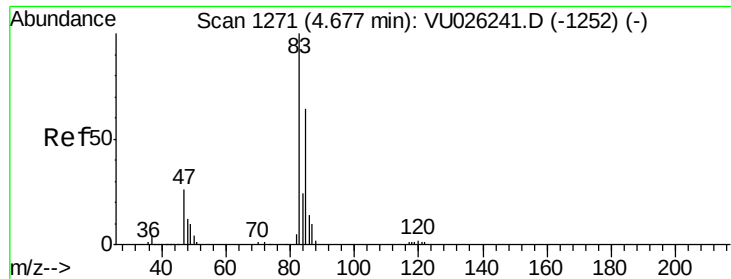
130 128.7 91.7 170.3

51 46.0 38.0 57.0



Abundance Ion 128.00 (127.70 to 128.70): VU026242.D (-1140) (-)

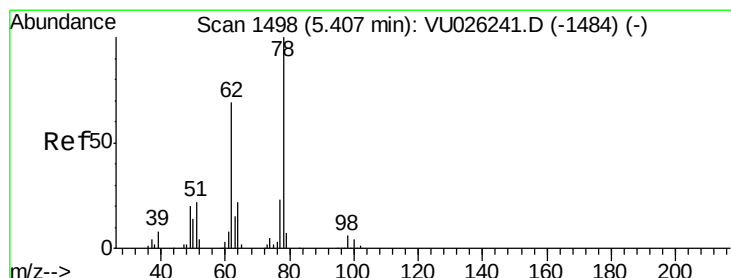
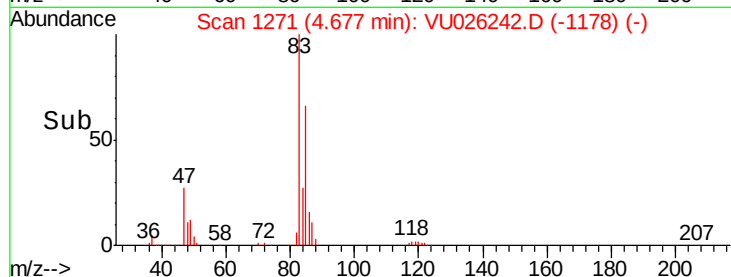
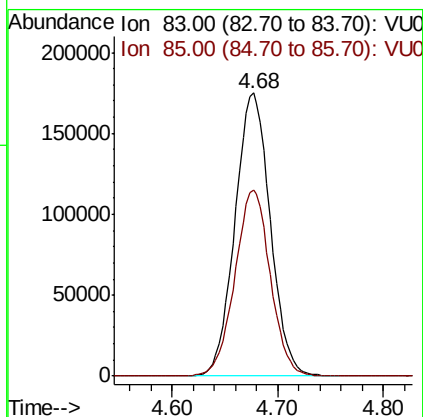
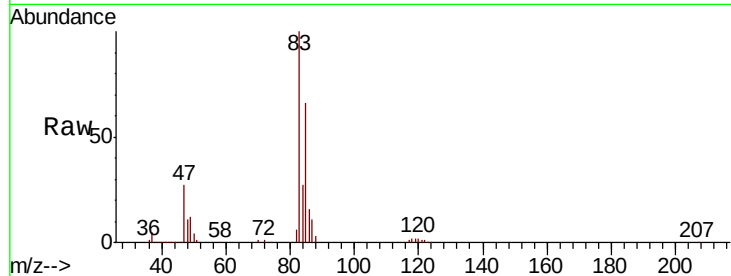




#25
Chloroform
Concen: 100.536 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

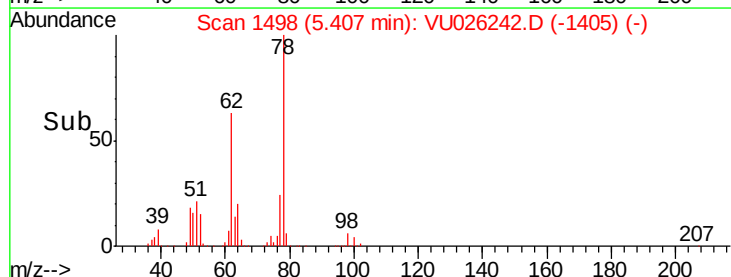
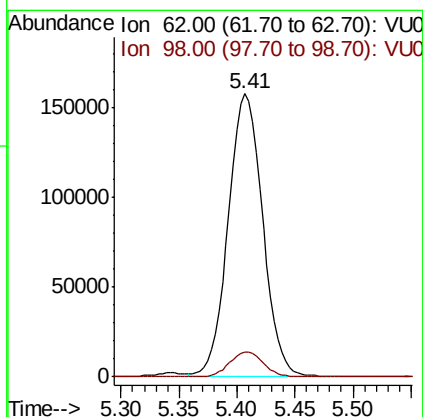
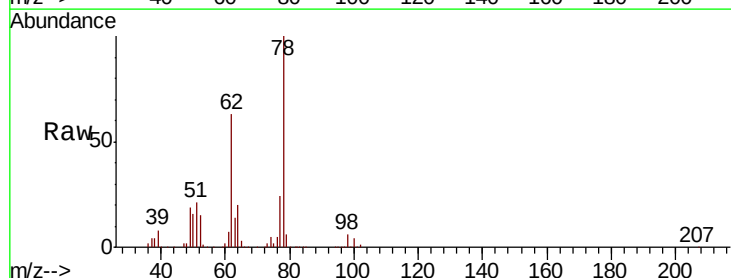
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

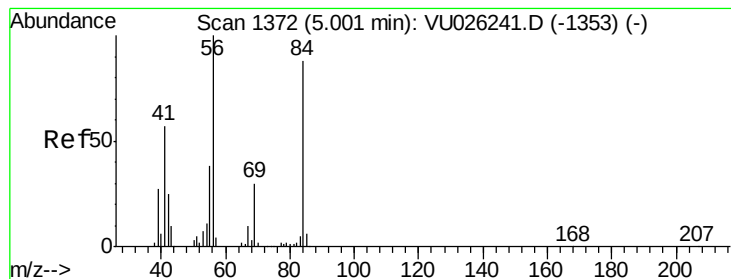
Tgt Ion: 83 Resp: 406626
Ion Ratio Lower Upper
83 100
85 65.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 97.996 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

Tgt Ion: 62 Resp: 325269
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 102.524 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

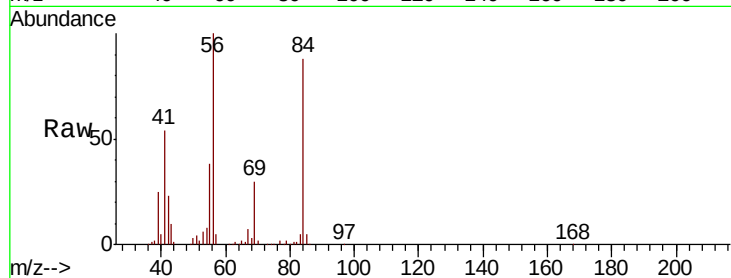
Tgt Ion: 56 Resp: 343044

Ion Ratio Lower Upper

56 100

69 30.6 24.6 37.0

84 87.8 70.1 105.1

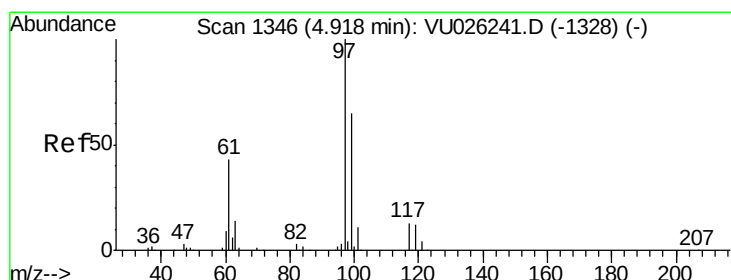
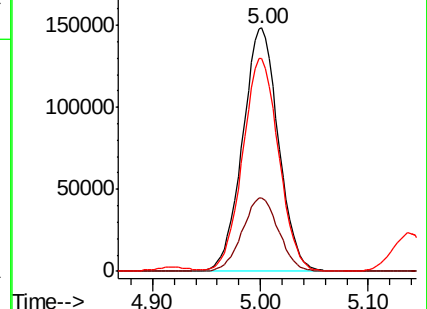
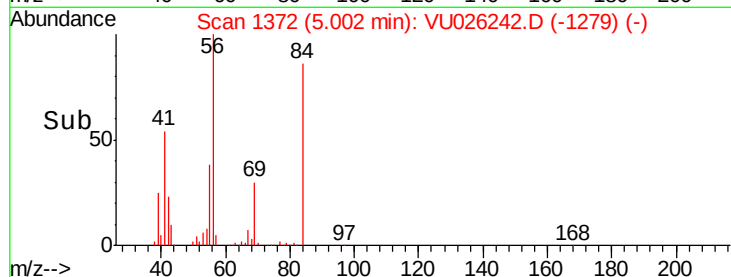


Abundance Ion 56.00 (55.70 to 56.70): VU026242.D (-1279) (-)

Ion 69.00 (68.70 to 69.70): VU026242.D (-1279) (-)

Ion 84.00 (83.70 to 84.70): VU026242.D (-1279) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 95.752 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

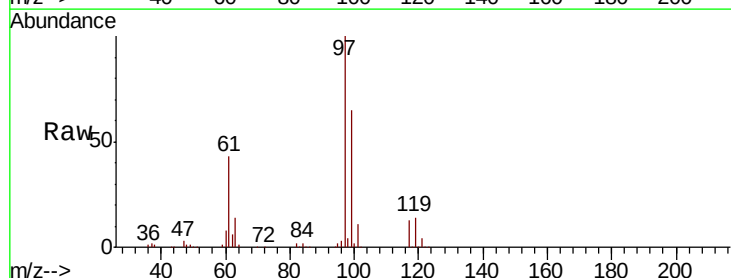
Tgt Ion: 97 Resp: 362660

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 42.8 34.2 51.4

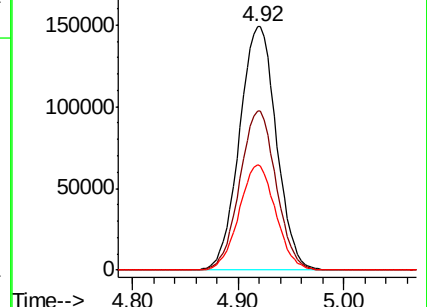
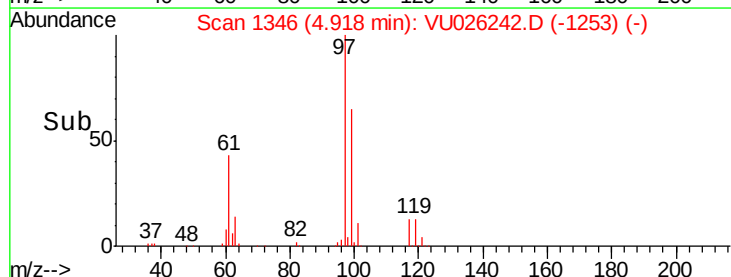


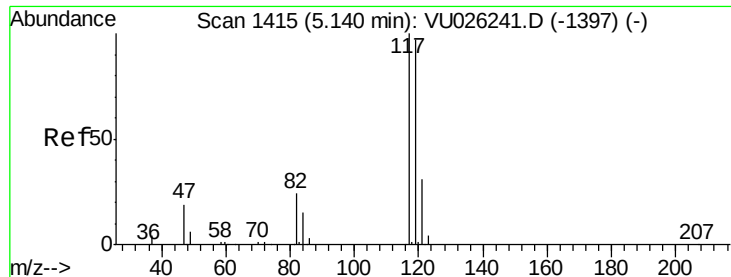
Abundance Ion 97.00 (96.70 to 97.70): VU026242.D (-1253) (-)

Ion 99.00 (98.70 to 99.70): VU026242.D (-1253) (-)

Ion 61.05 (60.75 to 61.75): VU026242.D (-1253) (-)

Time-->

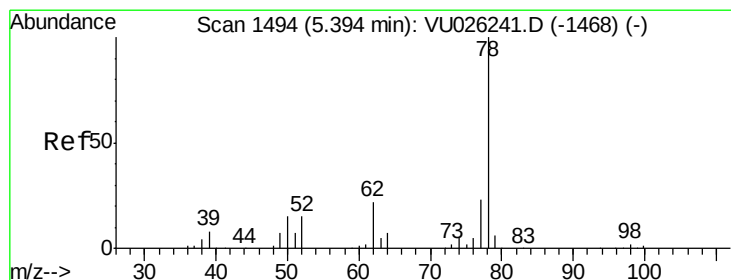
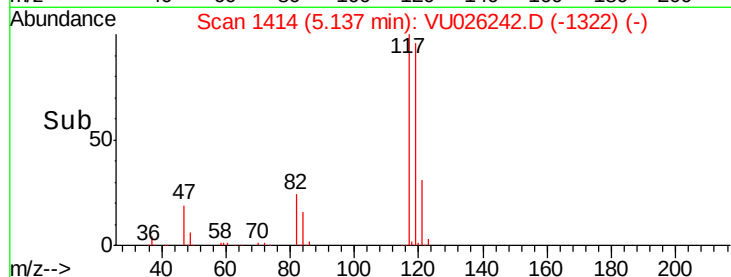
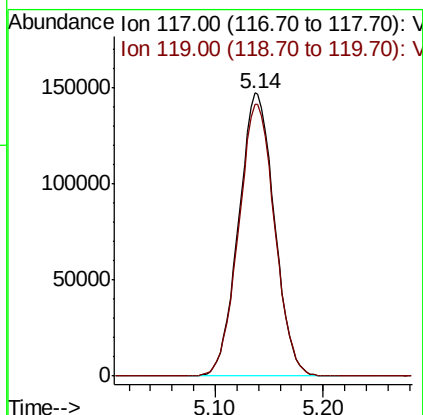
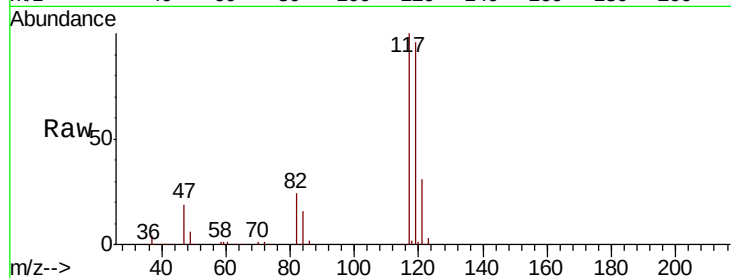




#31
Carbon tetrachloride
Concen: 97.702 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

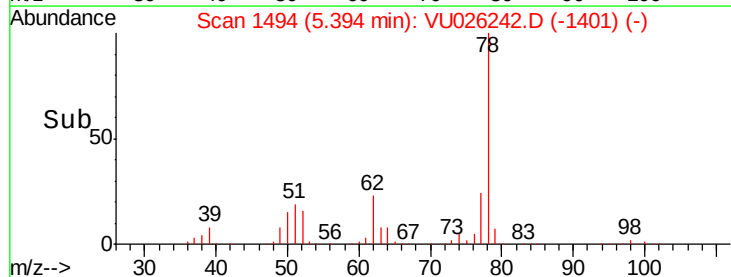
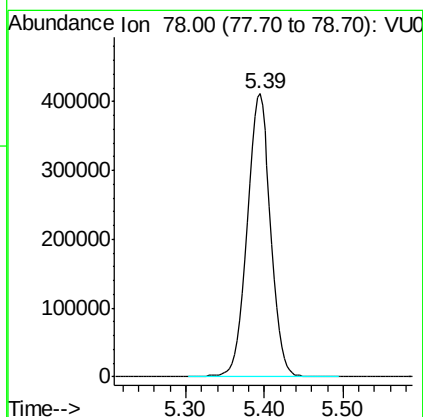
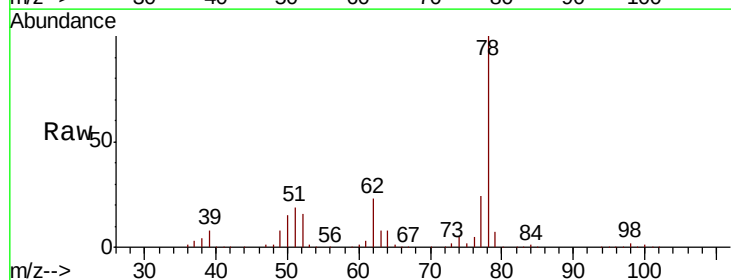
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

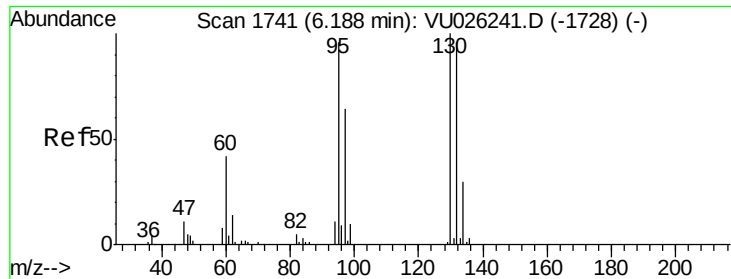
Tgt Ion:117 Resp: 337903
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8



#33
Benzene
Concen: 100.766 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

Tgt Ion: 78 Resp: 866705

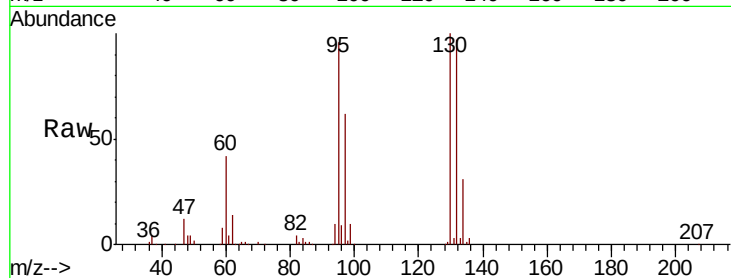




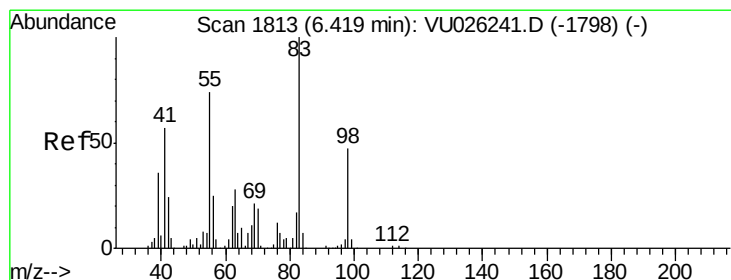
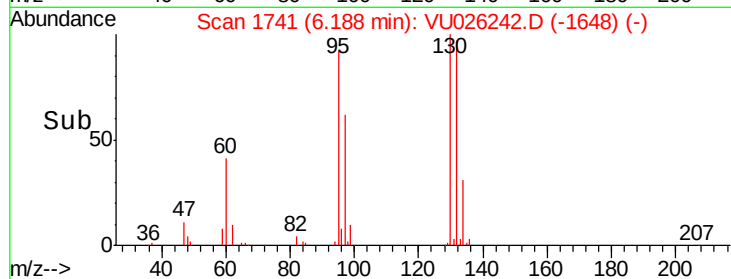
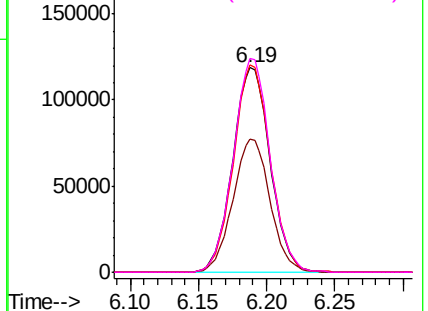
#34
 Trichloroethene
 Concen: 101.482 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

Tgt Ion:	95	Resp:	226922
Ion	Ratio	Lower	Upper
95	100		
97	65.2	47.2	87.6
132	101.4	70.2	130.4
130	104.5	73.4	136.4

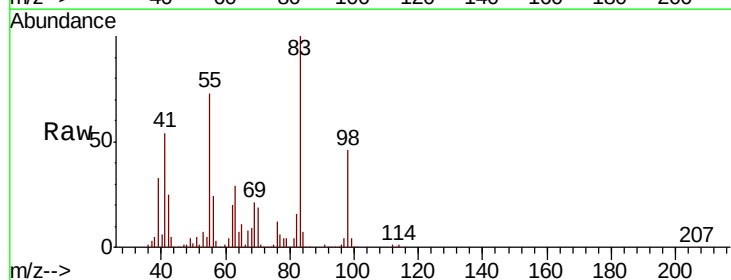


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

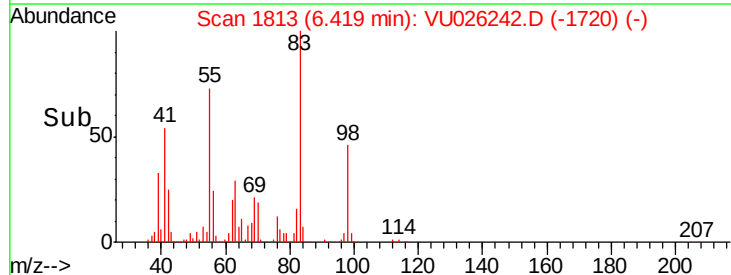
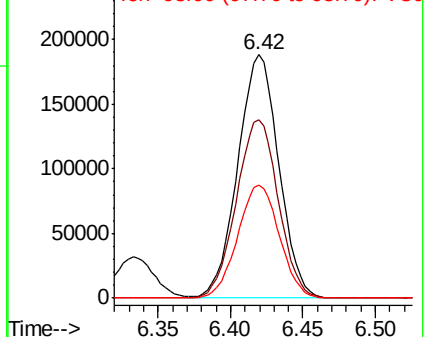


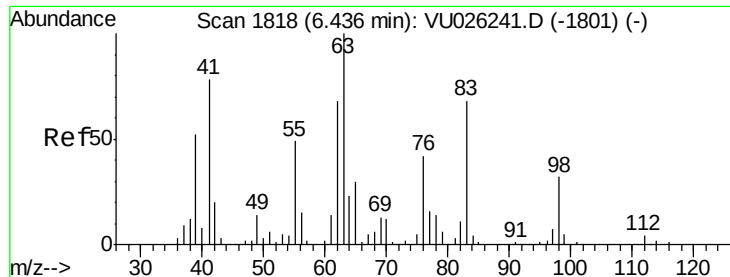
#35
 Methylcyclohexane
 Concen: 107.545 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

Tgt Ion:	83	Resp:	370100
Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.6	91.0
98	47.2	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

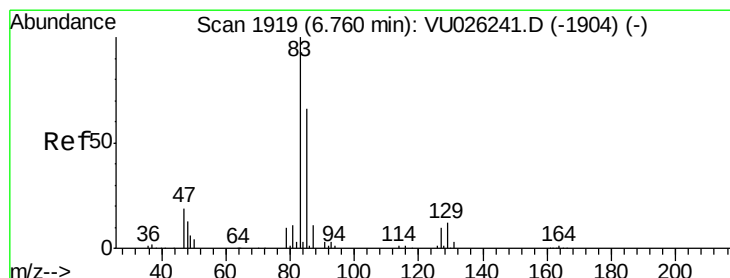
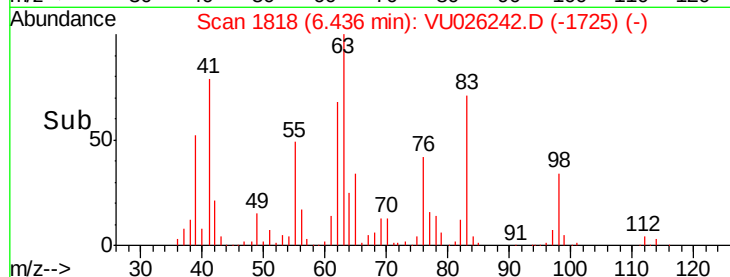
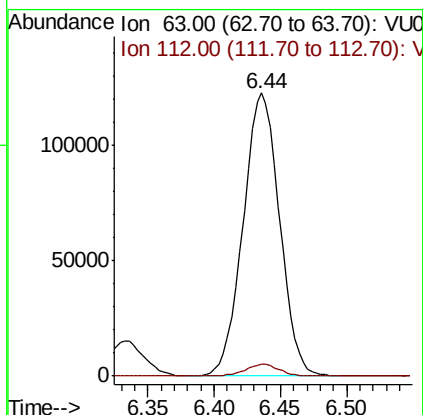
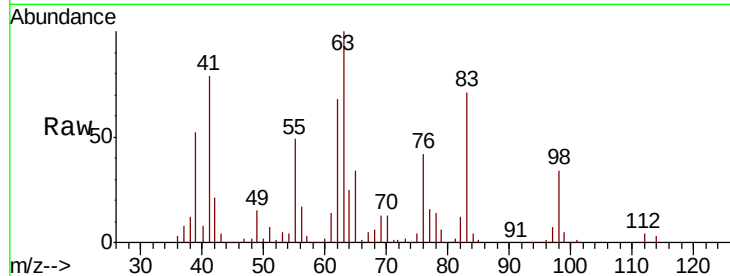




#37
 1,2-Dichloropropane
 Concen: 99.614 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

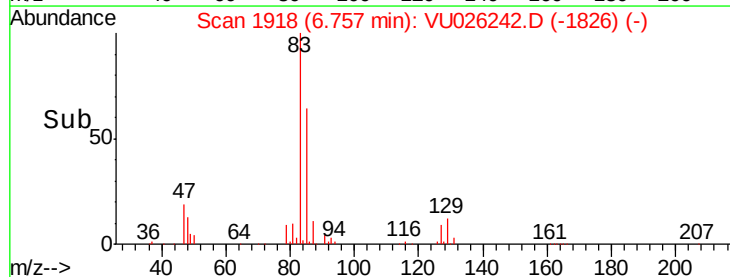
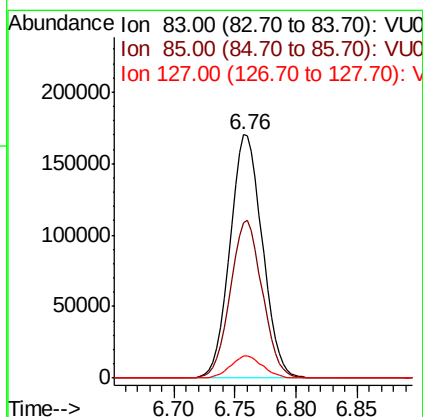
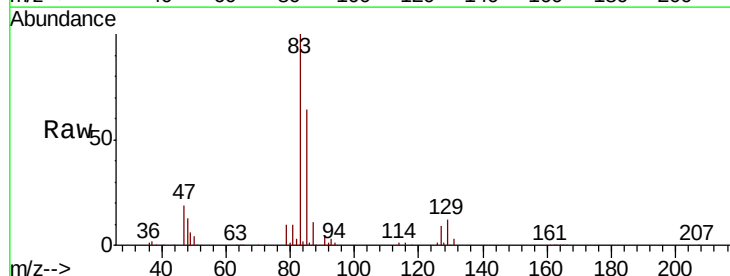
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

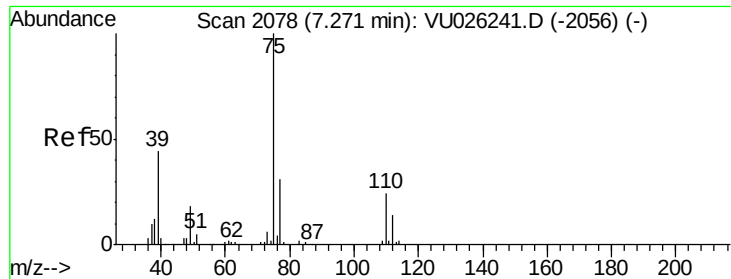
Tgt Ion: 63 Resp: 234095
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.2



#38
 Bromodichloromethane
 Concen: 100.478 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

Tgt Ion: 83 Resp: 314283
 Ion Ratio Lower Upper
 83 100
 85 63.9 46.3 86.1
 127 9.0 7.8 11.6



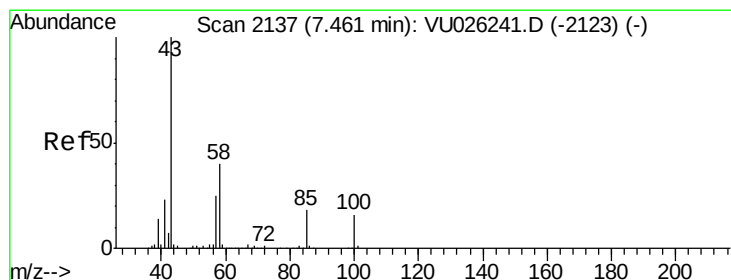
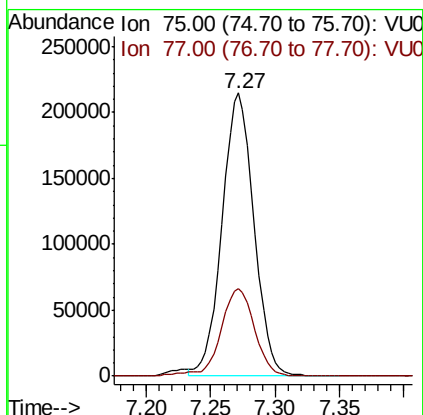
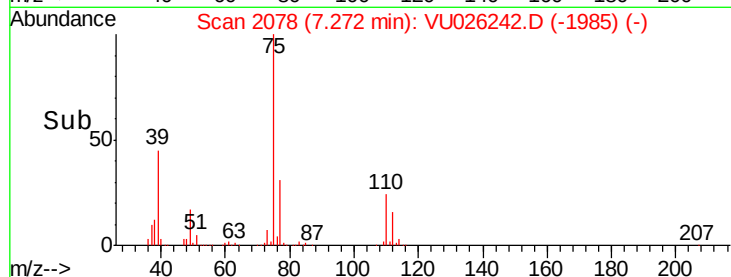
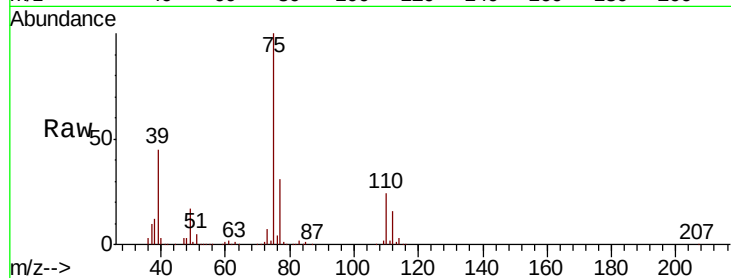


#39

cis-1,3-Dichloropropene
 Concen: 103.825 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

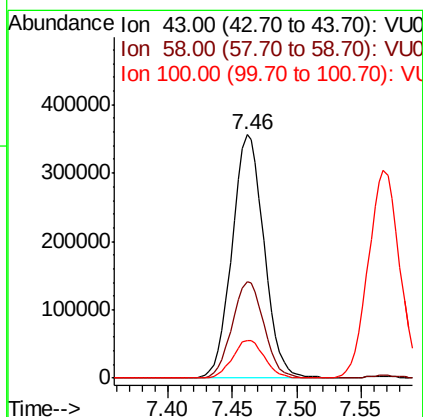
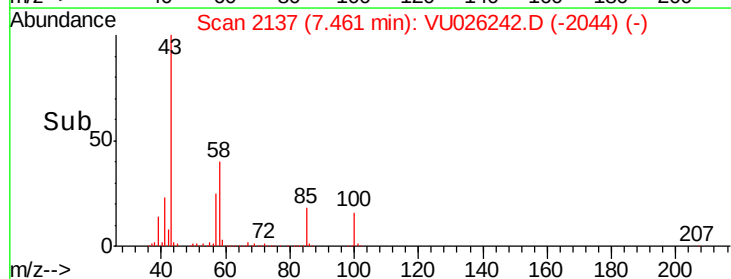
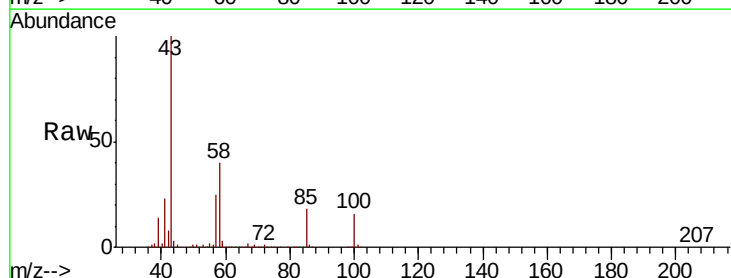
Tgt Ion: 75 Resp: 367099
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.0 40.8

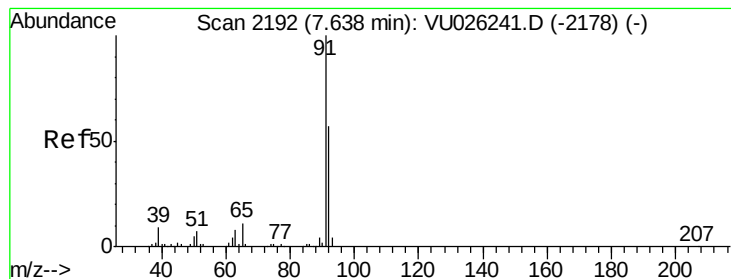


#40

4-Methyl-2-pentanone
 Concen: 193.332 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

Tgt Ion: 43 Resp: 612270
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.6 47.4
 100 15.6 12.3 18.5





#42

Toluene

Concen: 103.876 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

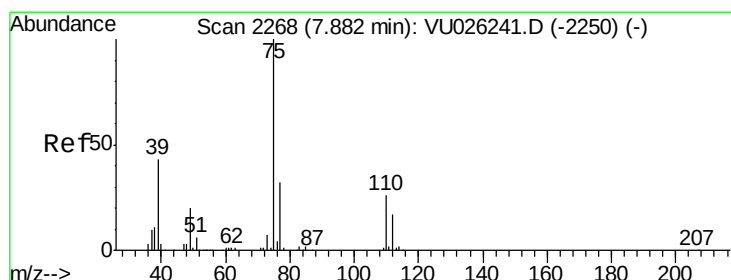
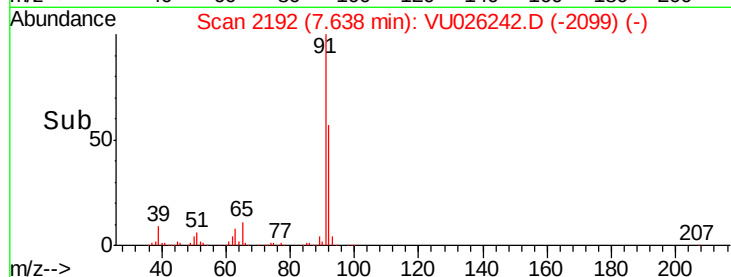
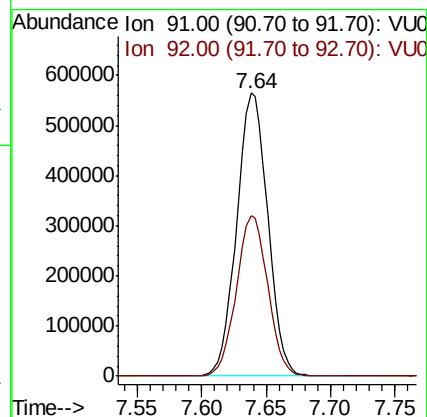
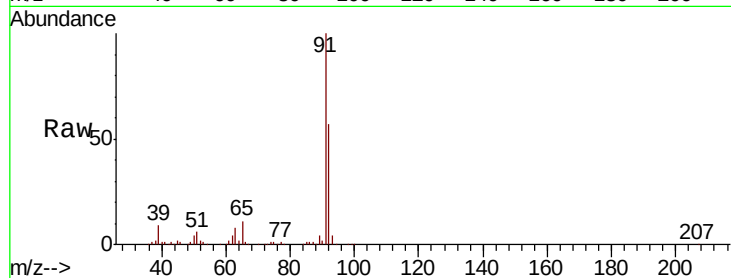
VSTD10043

Tgt Ion: 91 Resp: 947430

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 106.889 ug/L

RT: 7.88 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VU026242.D

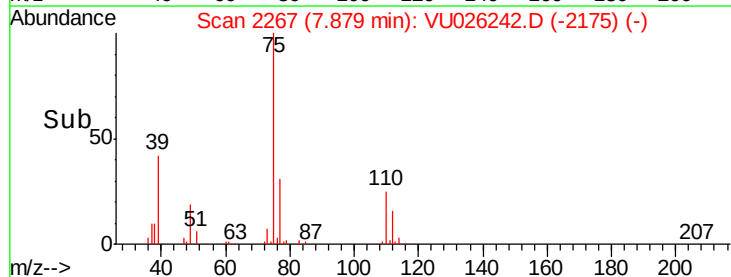
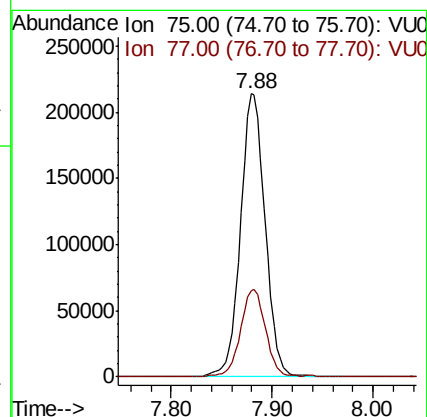
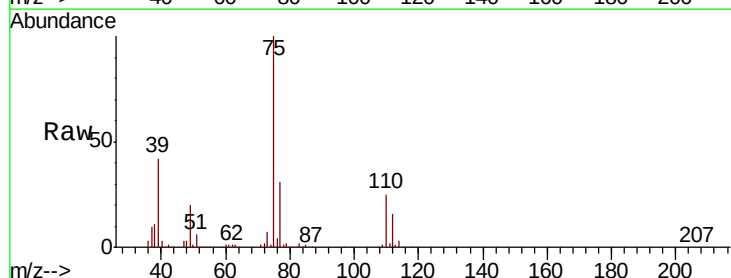
Acq: 22 Aug 2018 12:29

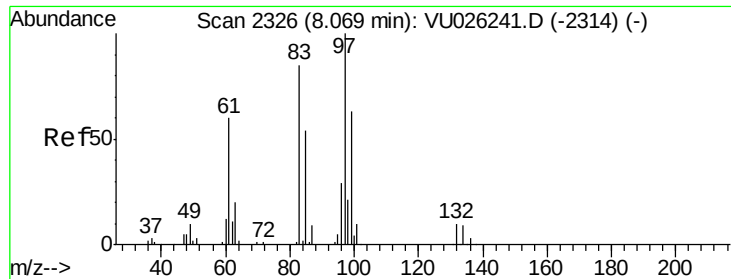
Tgt Ion: 75 Resp: 362223

Ion Ratio Lower Upper

75 100

77 30.6 22.0 41.0

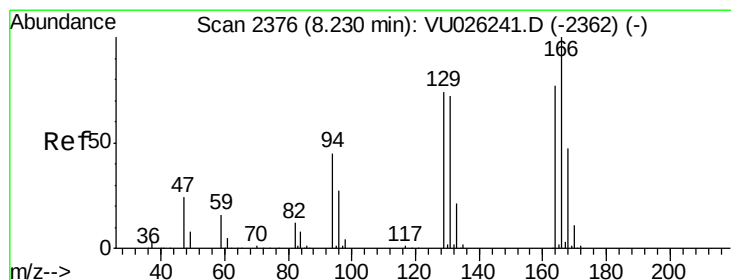
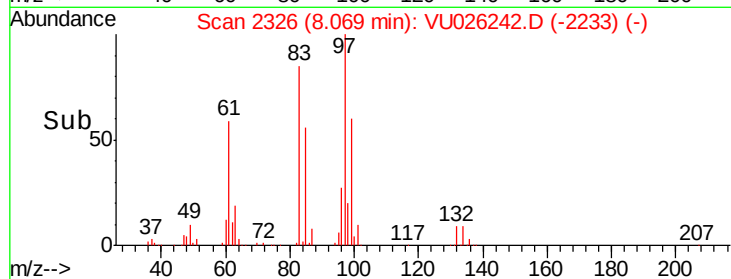
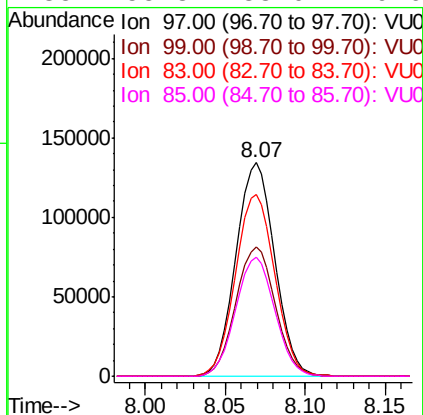
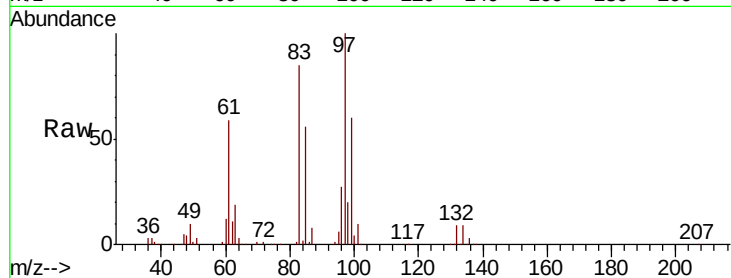




#45
 1,1,2-Trichloroethane
 Concen: 99.723 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

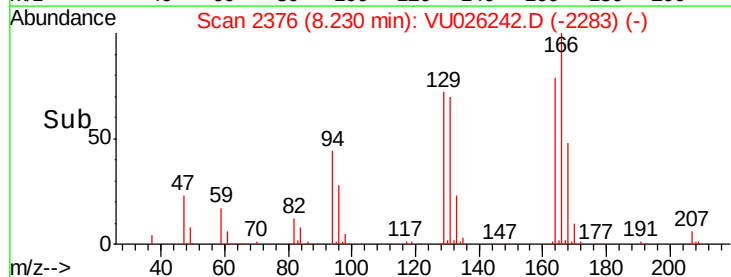
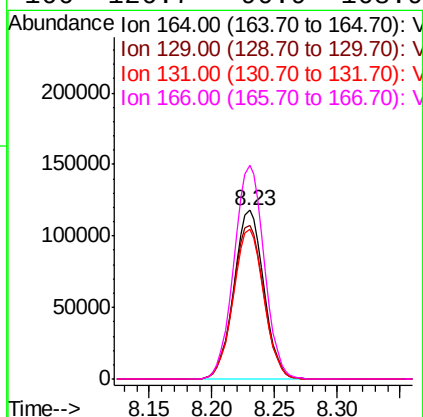
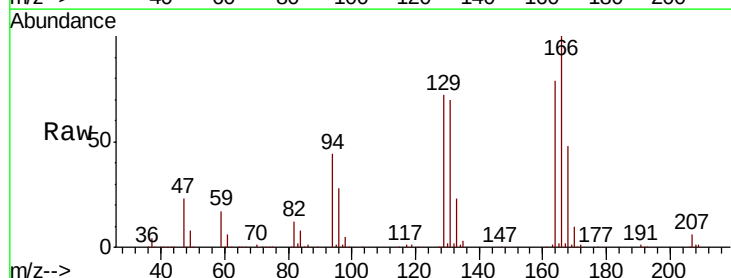
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

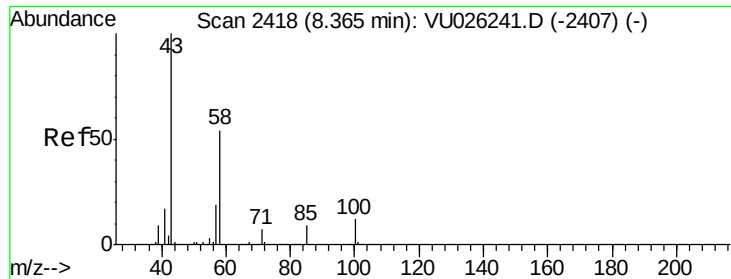
Tgt Ion:	97	Resp:	222450
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.0	81.6
83	85.2	59.2	110.0
85	55.8	38.0	70.6



#46
 Tetrachloroethene
 Concen: 102.575 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

Tgt Ion:	164	Resp:	195694
Ion	Ratio	Lower	Upper
164	100		
129	90.9	67.3	124.9
131	88.7	65.5	121.7
166	126.7	90.9	168.9

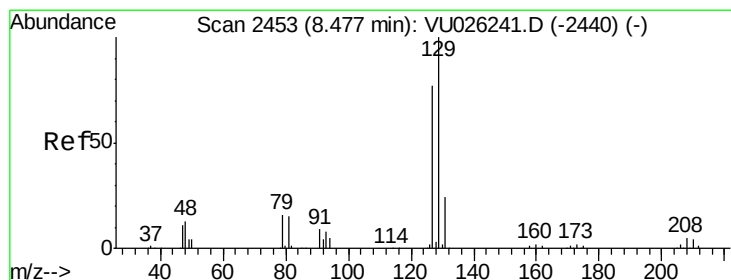
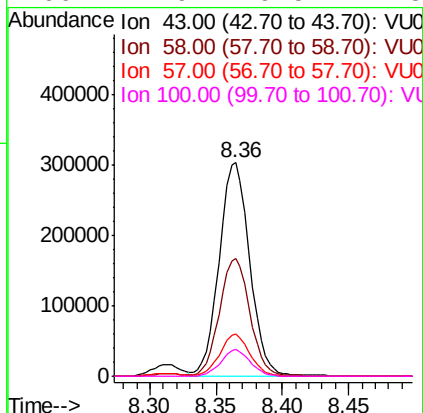
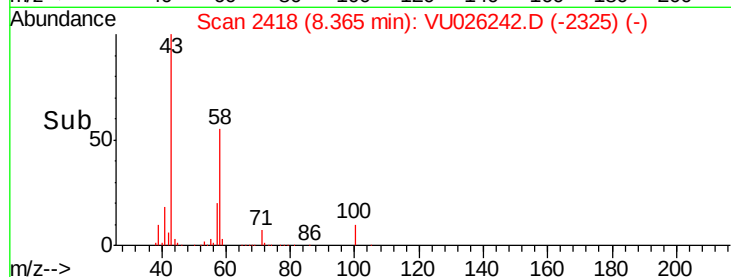
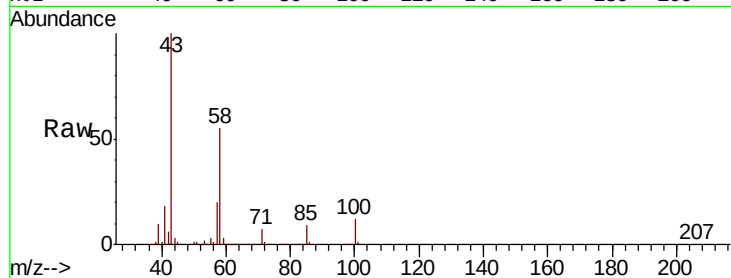




#48
2-Hexanone
Concen: 195.381 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

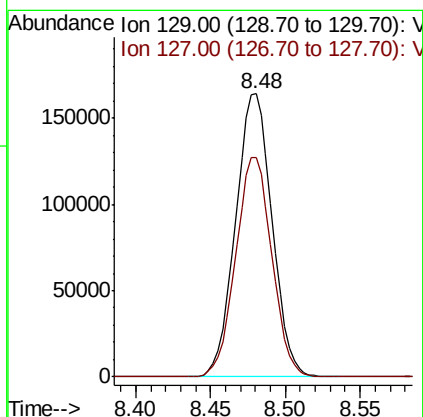
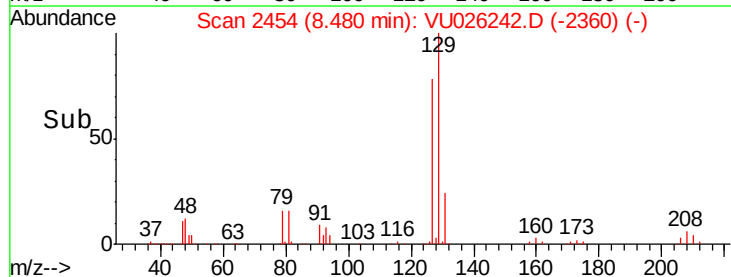
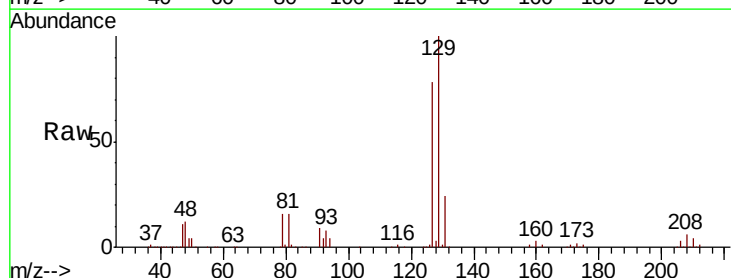
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

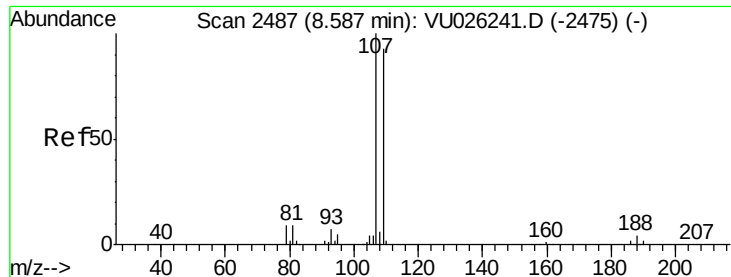
Tgt Ion: 43 Resp: 485733
Ion Ratio Lower Upper
43 100
58 55.1 42.6 63.8
57 19.0 15.1 22.7
100 11.9 9.5 14.3



#49
Dibromochloromethane
Concen: 103.228 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

Tgt Ion: 129 Resp: 278694
Ion Ratio Lower Upper
129 100
127 77.6 53.8 100.0





#50

1,2-Dibromoethane

Concen: 100.320 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

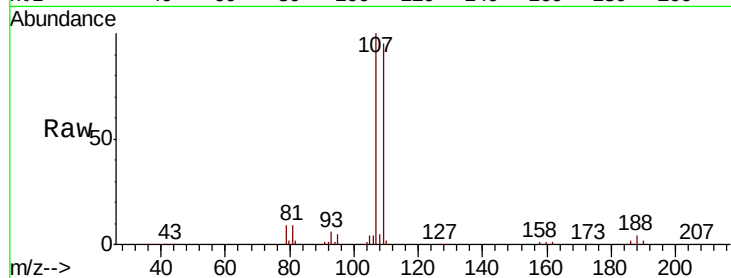
Tgt Ion:107 Resp: 244644

Ion Ratio Lower Upper

107 100

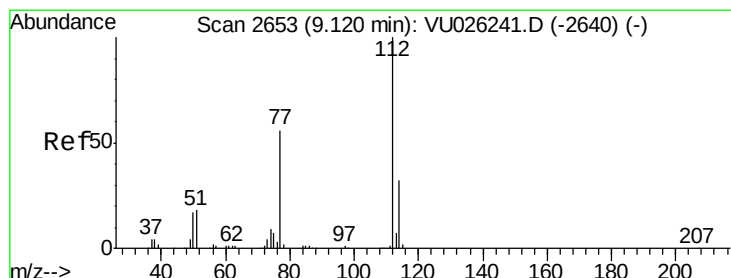
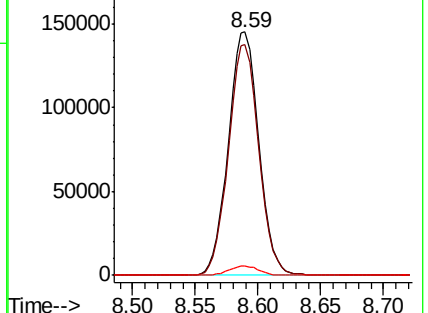
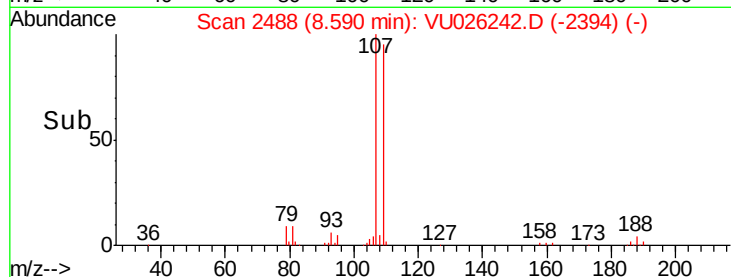
109 94.8 65.2 121.0

188 3.8 3.4 5.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

8.59



#51

Chlorobenzene

Concen: 101.638 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

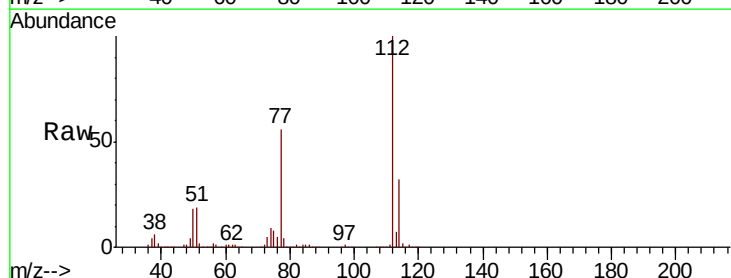
Tgt Ion:112 Resp: 623253

Ion Ratio Lower Upper

112 100

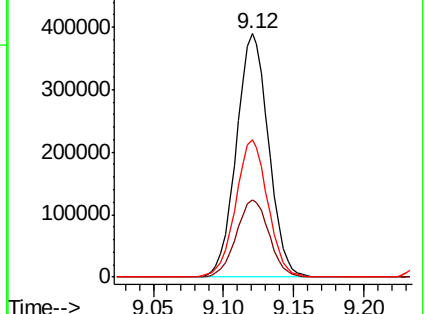
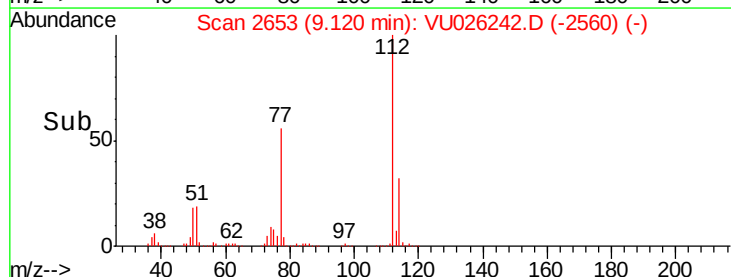
114 31.7 22.5 41.9

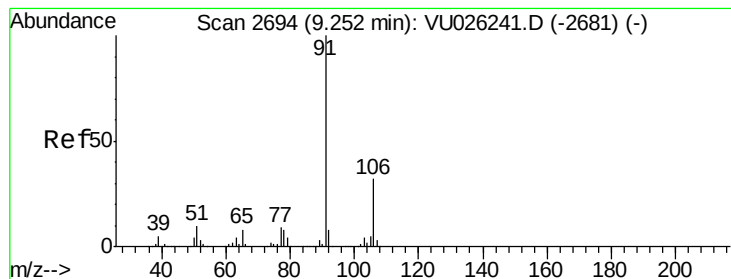
77 56.4 45.4 68.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

9.12





#52

Ethylbenzene

Concen: 105.216 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

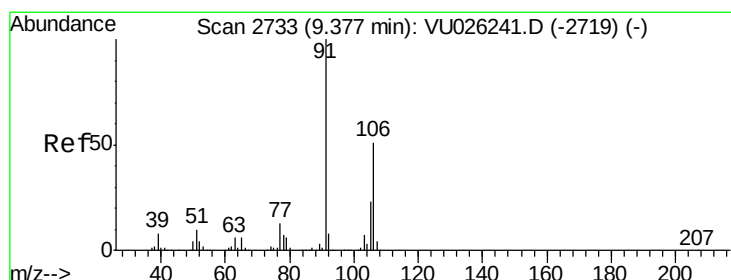
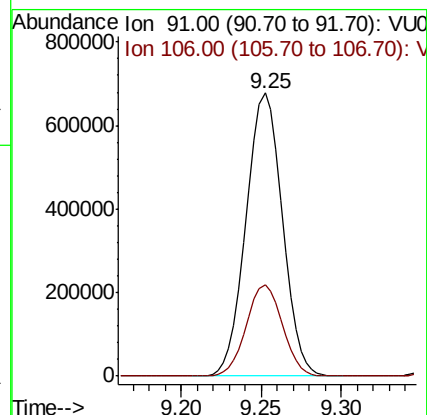
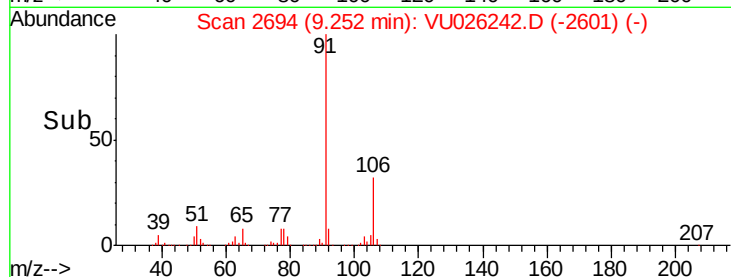
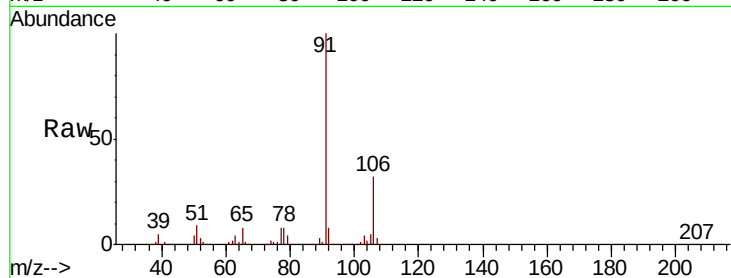
VSTD10043

Tgt Ion: 91 Resp: 1048389

Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.5



#53

m,p-Xylene

Concen: 108.079 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026242.D

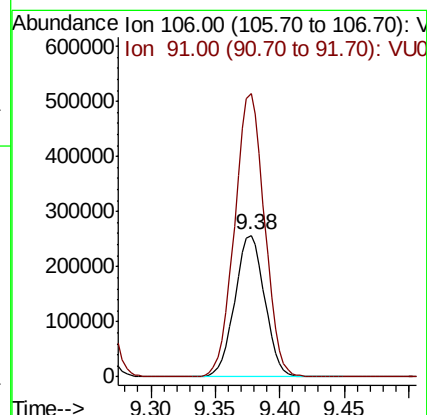
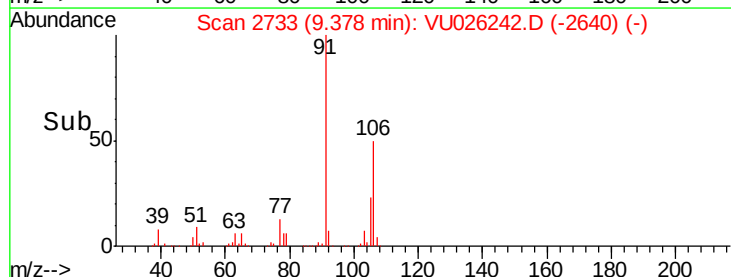
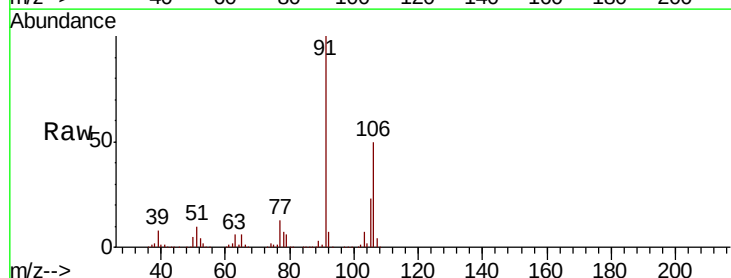
Acq: 22 Aug 2018 12:29

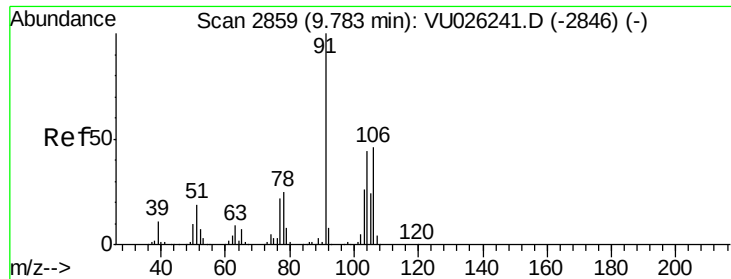
Tgt Ion: 106 Resp: 412725

Ion Ratio Lower Upper

106 100

91 199.9 136.6 253.8

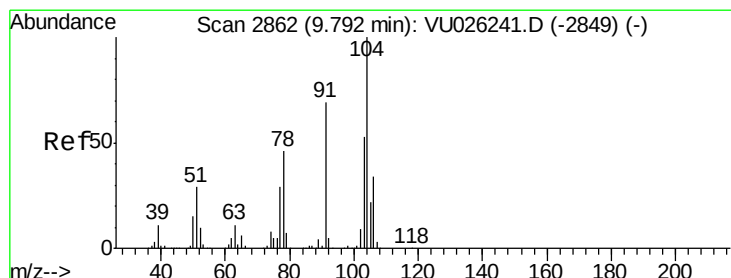
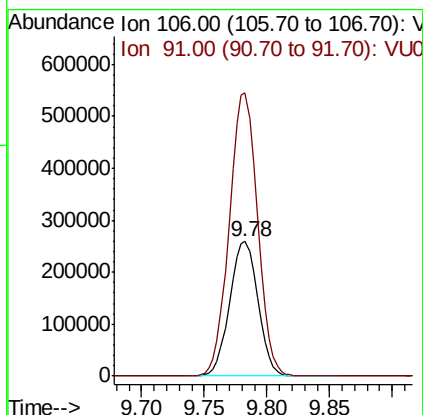
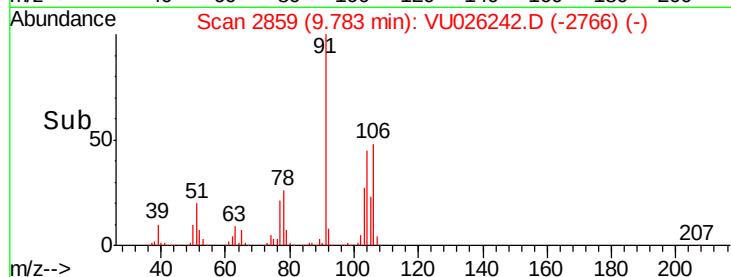
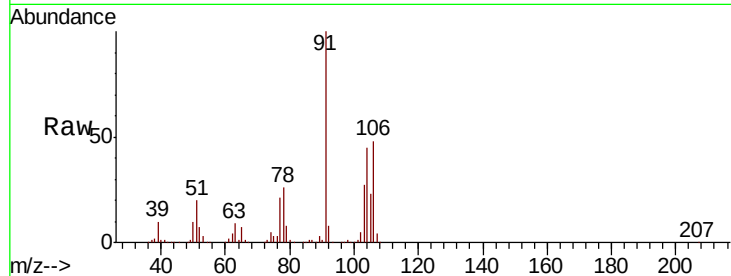




#54
o-xylene
Concen: 107.552 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

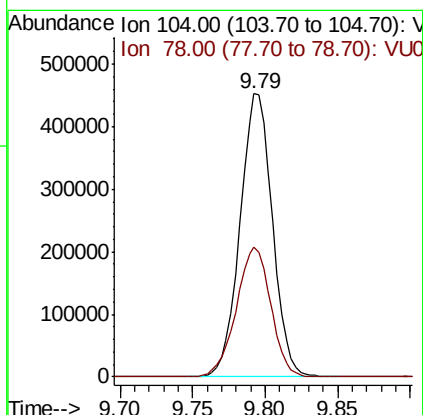
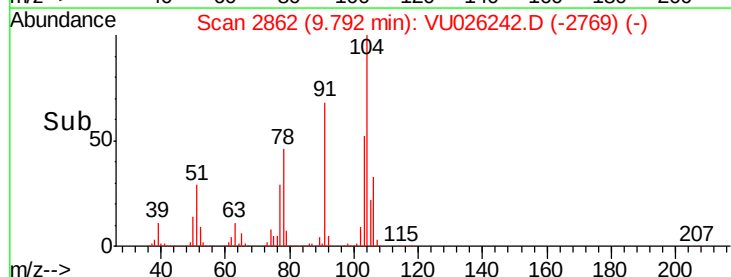
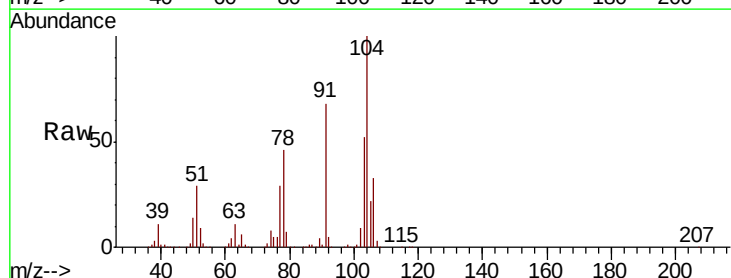
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

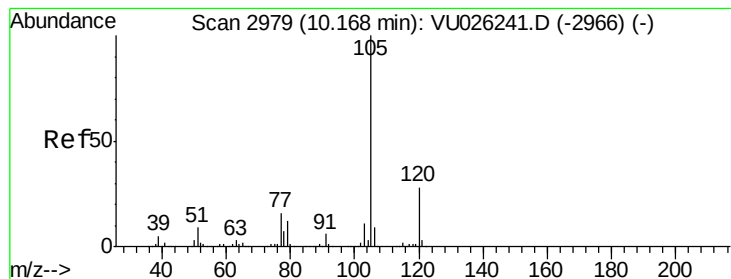
Tgt Ion:106 Resp: 406185
Ion Ratio Lower Upper
106 100
91 210.0 151.2 280.8



#55
Styrene
Concen: 111.081 ug/L
RT: 9.79 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU026242.D
Acq: 22 Aug 2018 12:29

Tgt Ion:104 Resp: 702179
Ion Ratio Lower Upper
104 100
78 45.9 32.3 60.1





#56

Isopropylbenzene

Concen: 109.452 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

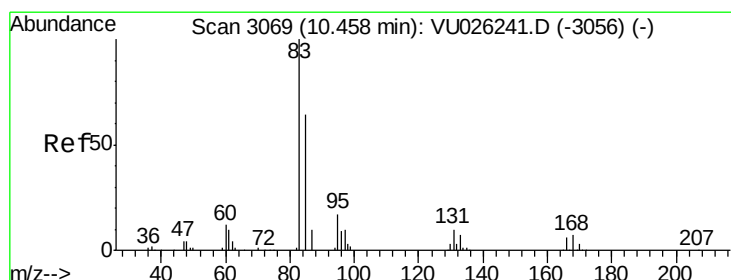
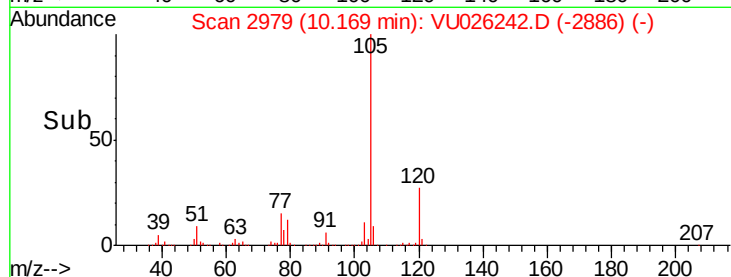
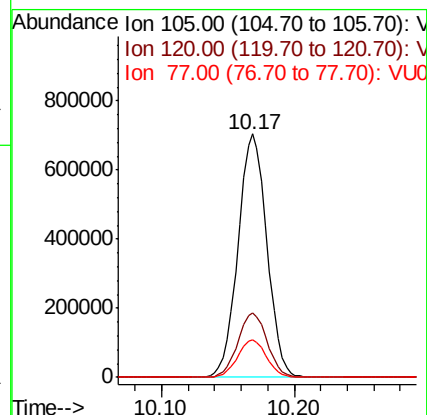
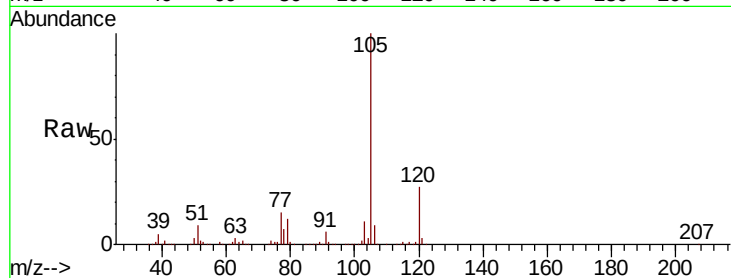
Tgt Ion:105 Resp: 1062207

Ion Ratio Lower Upper

105 100

120 26.8 21.9 32.9

77 15.4 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 98.909 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

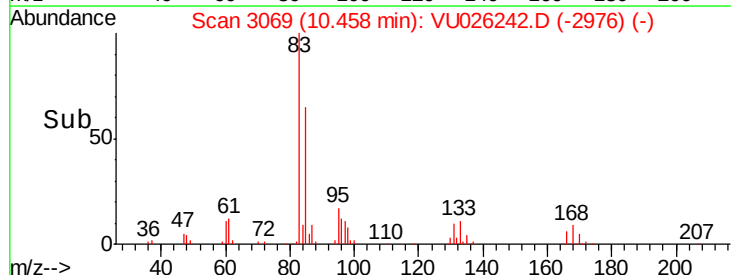
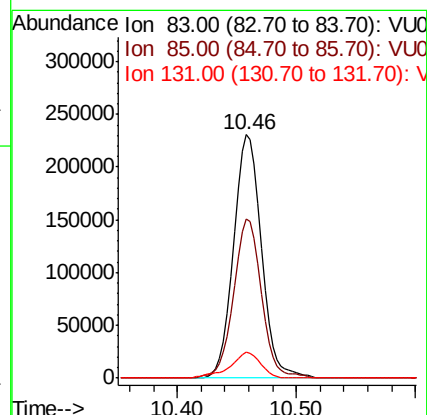
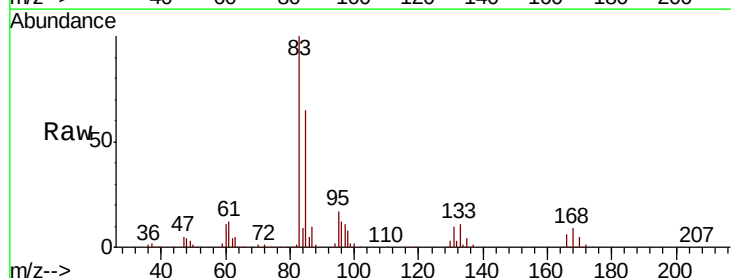
Tgt Ion: 83 Resp: 374855

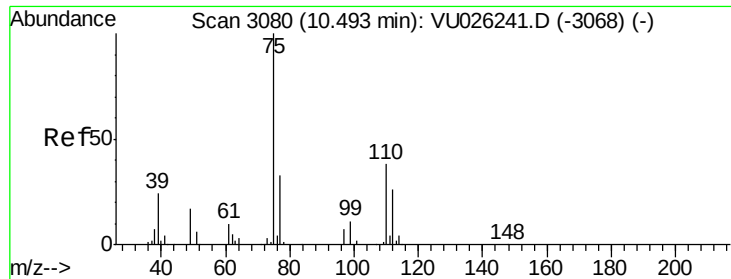
Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.3

131 10.4 8.2 12.2

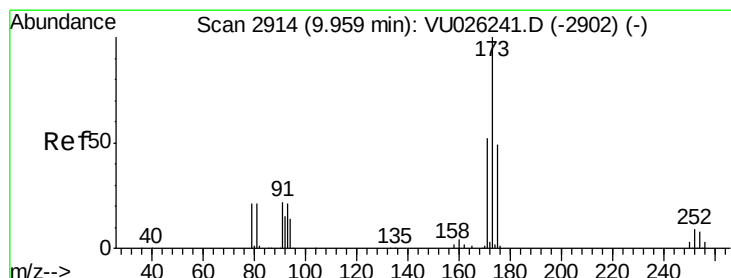
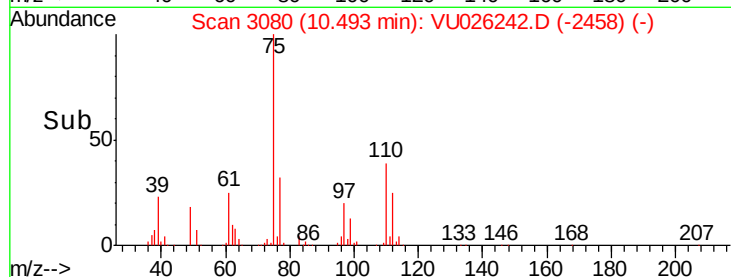
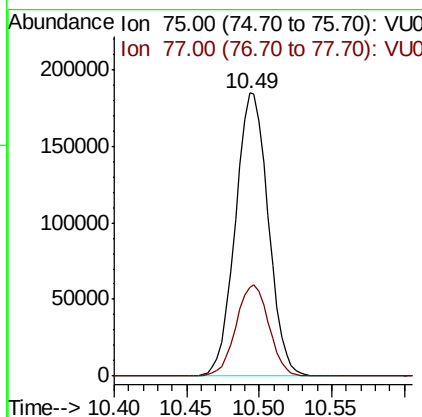
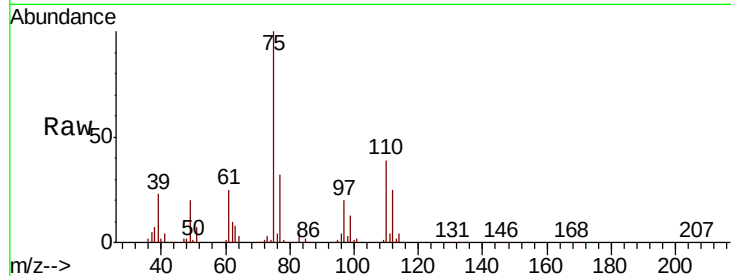




#59
 1,2,3-Trichloropropane
 Concen: 96.895 ug/L
 RT: 10.49 min Scan# 3080
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

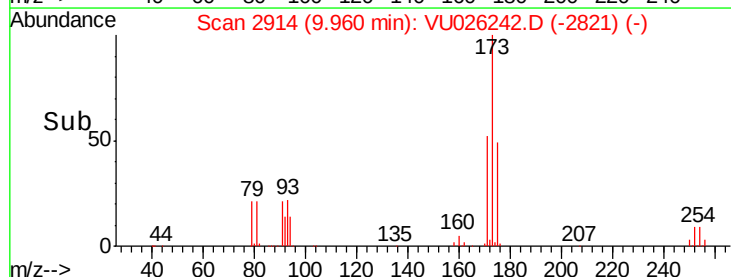
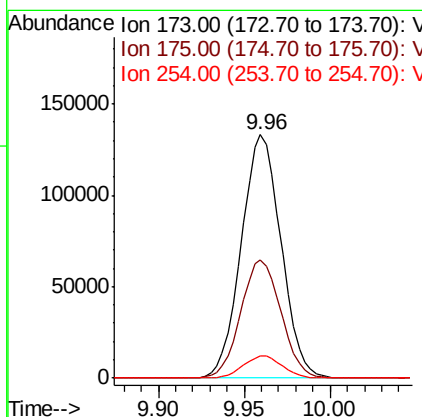
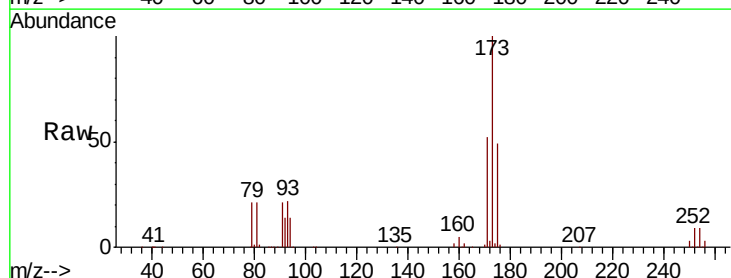
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

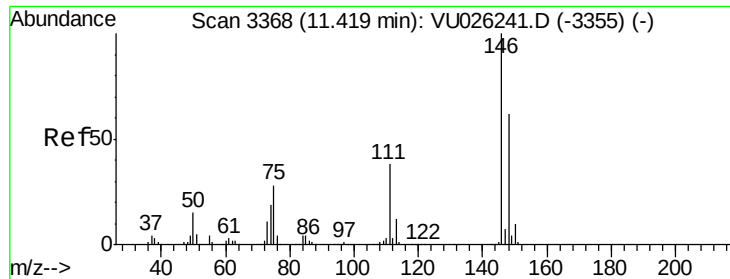
Tgt Ion: 75 Resp: 291029
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 93.260 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

Tgt Ion: 173 Resp: 213588
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.4 59.2
 254 8.9 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 97.018 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

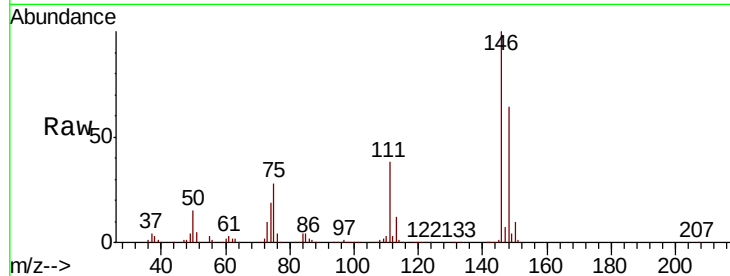
Tgt Ion:146 Resp: 512773

Ion Ratio Lower Upper

146 100

111 38.3 26.9 50.1

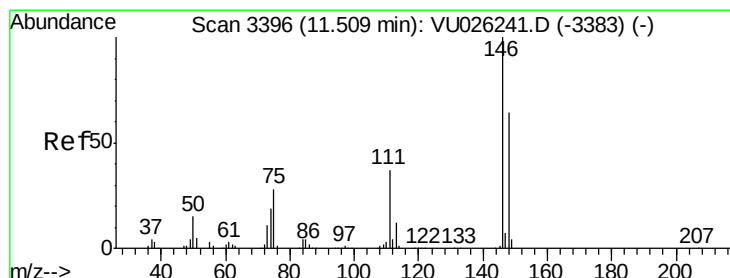
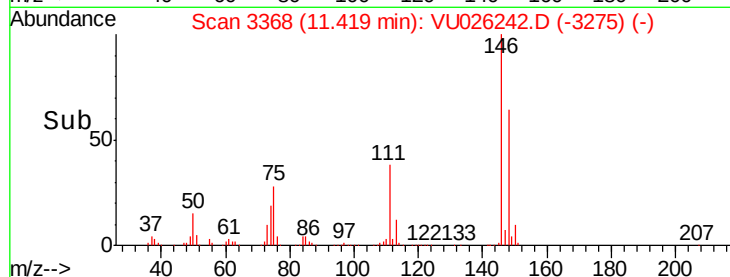
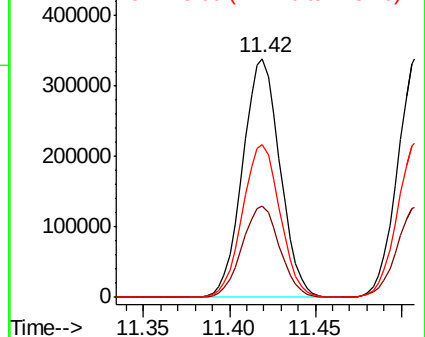
148 64.2 43.7 81.1



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: 95.328 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

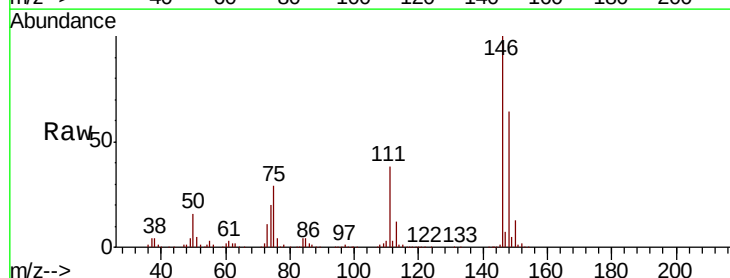
Tgt Ion:146 Resp: 527926

Ion Ratio Lower Upper

146 100

111 37.6 25.9 48.1

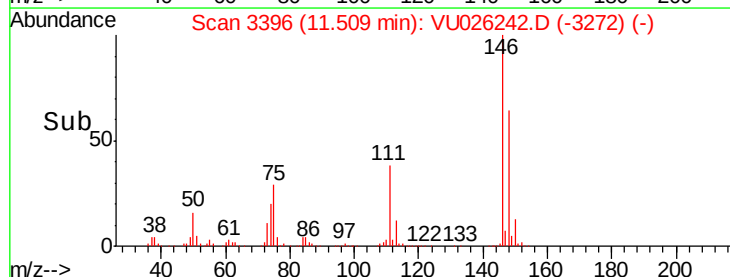
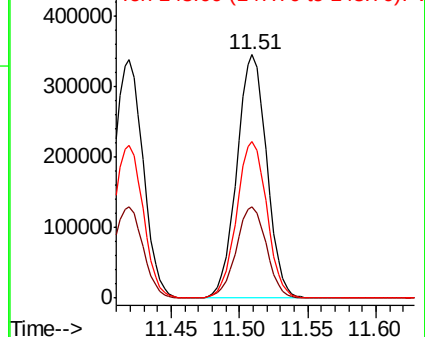
148 64.3 44.5 82.7

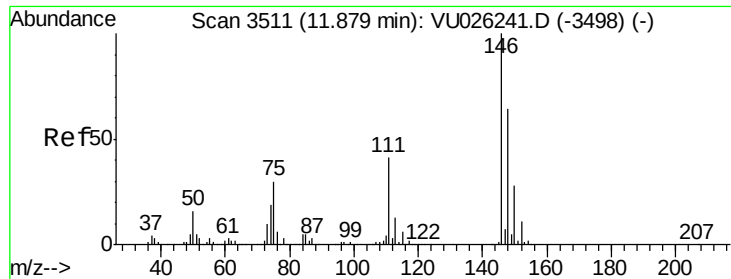


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

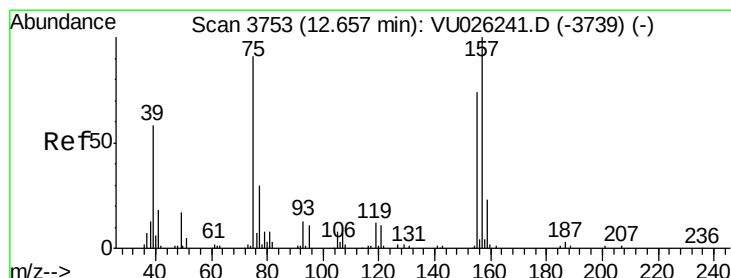
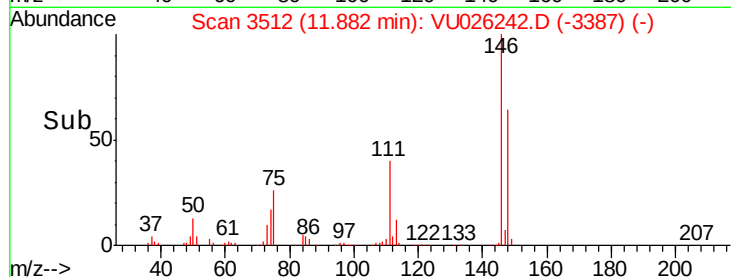
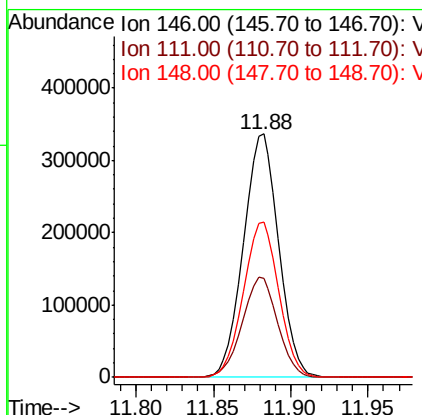
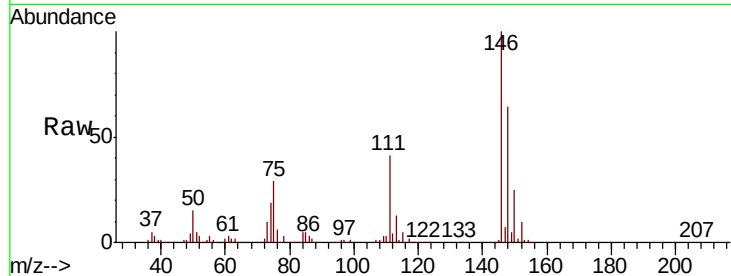




#65
 1,2-Dichlorobenzene
 Concen: 95.034 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

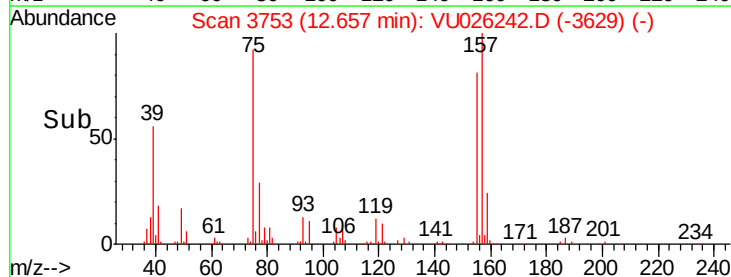
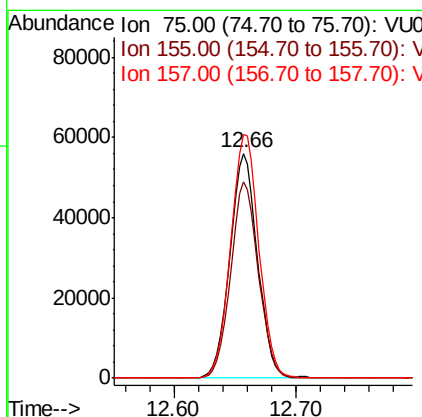
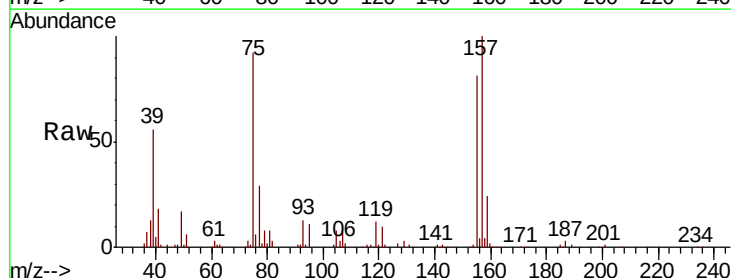
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

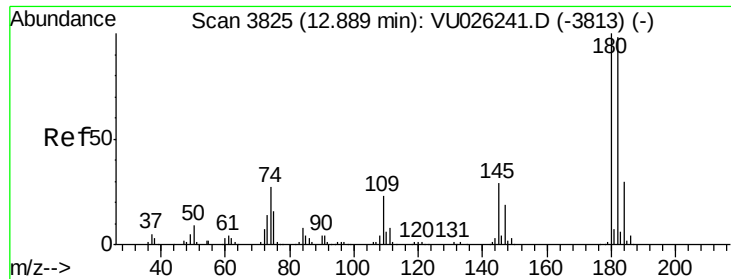
Tgt Ion: 146 Resp: 533494
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.6 48.8
 148 63.9 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 90.349 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

Tgt Ion: 75 Resp: 88480
 Ion Ratio Lower Upper
 75 100
 155 87.3 65.0 97.6
 157 108.3 87.5 131.3

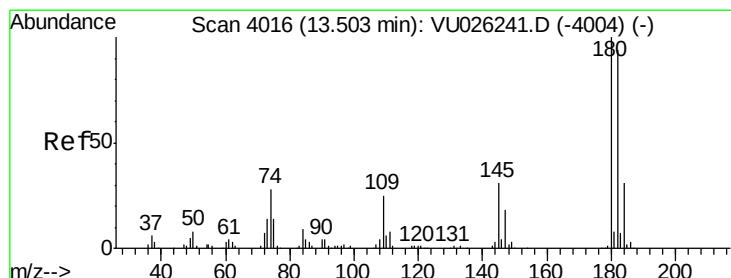
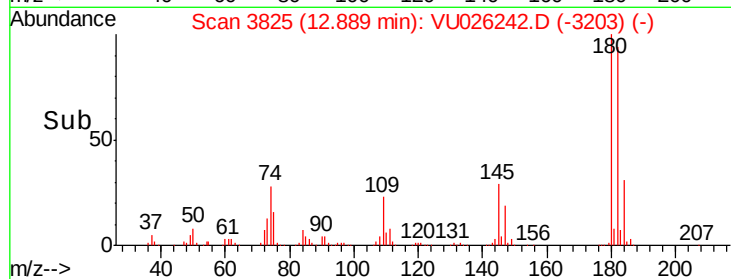
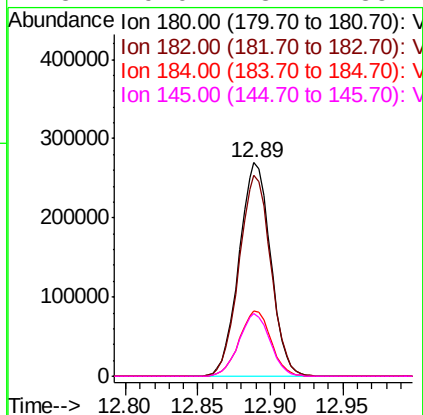
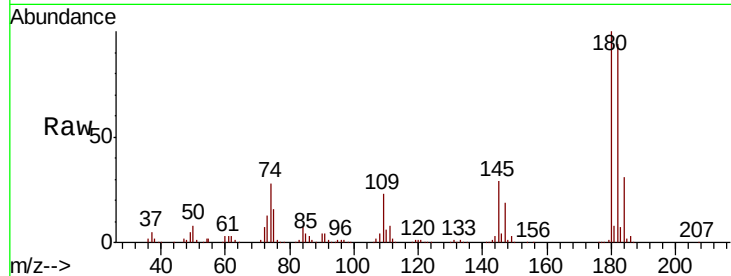




#67
 1,3,5-Trichlorobenzene
 Concen: 102.873 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

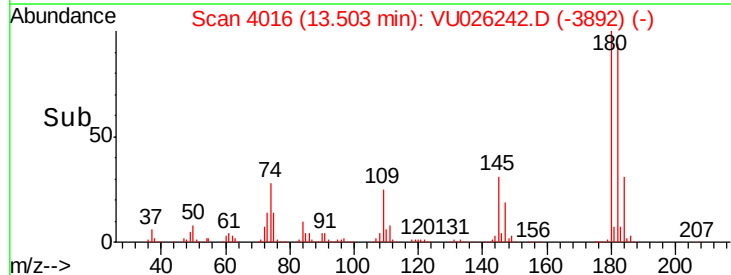
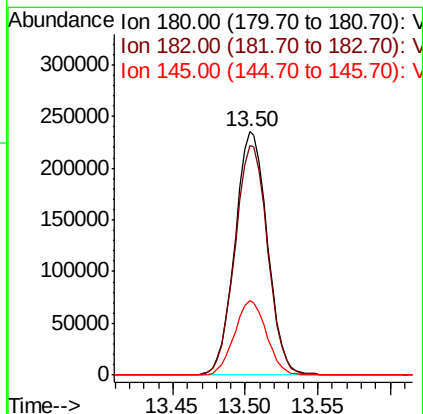
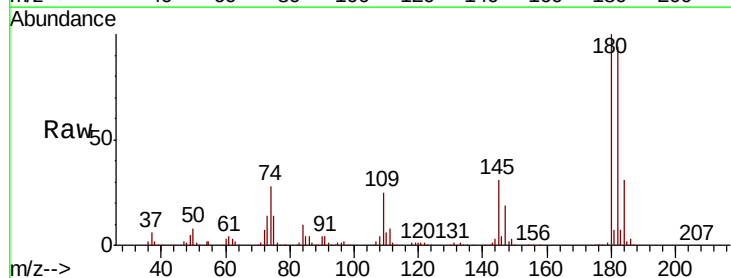
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

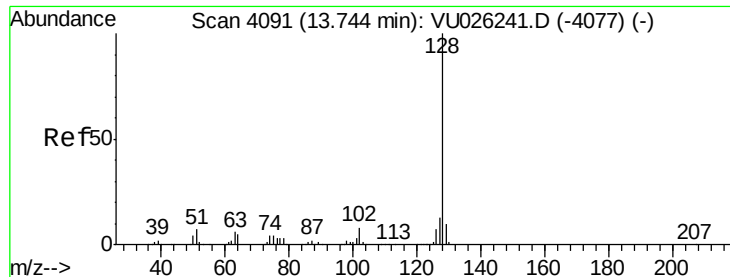
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.9	116.9
184	30.5	24.2	36.4
145	29.0	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 108.171 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. 0.00 min
 Lab File: VU026242.D
 Acq: 22 Aug 2018 12:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.6
145	30.4	23.8	35.8





#69

Naphthalene

Concen: 108.587 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

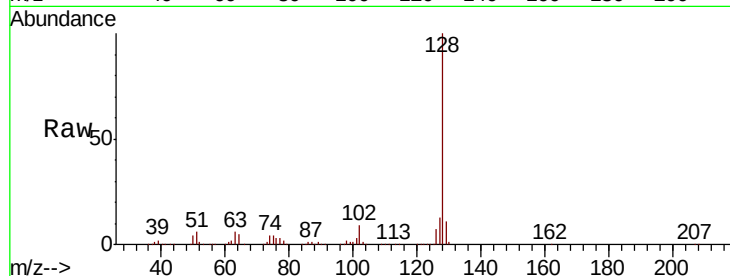
Tgt Ion:128 Resp: 1170450

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

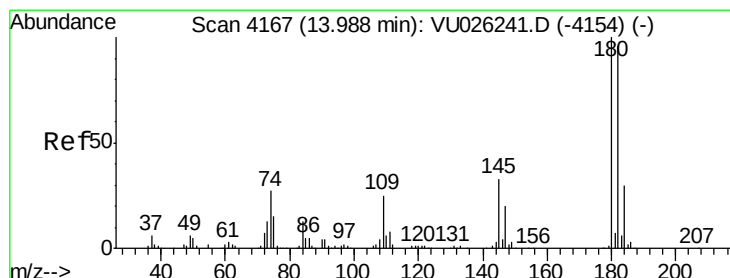
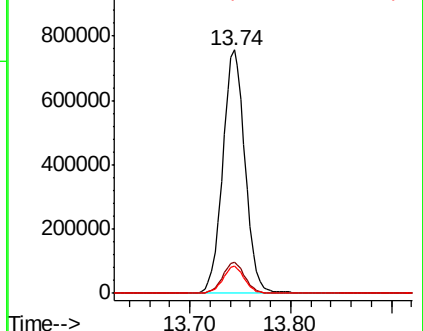
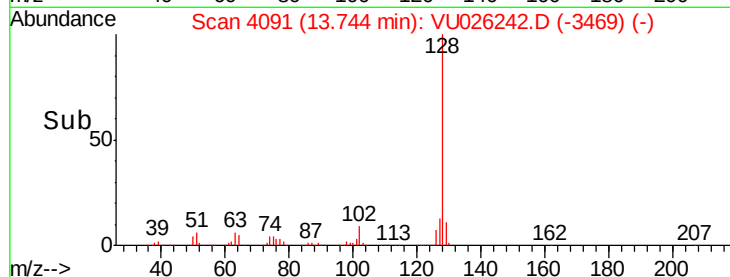
129 10.8 8.4 12.6



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: 106.611 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026242.D

Acq: 22 Aug 2018 12:29

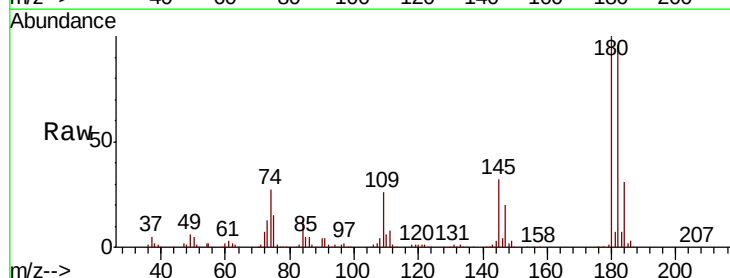
Tgt Ion:180 Resp: 386141

Ion Ratio Lower Upper

180 100

182 95.4 77.6 116.4

145 31.8 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

