

Data File : VU027732.D
Acq On : 22 Oct 2018 10:14
Operator : MD/SY
Sample : VSTD20056
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20056

Quant Time: Oct 23 07:22:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 23 07:17:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	120754	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	117522	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	61997	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	182884	194.65	ug/L	0.00
7) Chloroethane-d5	1.67	69	138146	190.98	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	335424	198.22	ug/L	0.00
21) 2-Butanone-d5	4.18	46	326704	408.04	ug/L	0.00
24) Chloroform-d	4.65	84	332606	196.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	224766	192.18	ug/L	0.00
32) Benzene-d6	5.34	84	633181	189.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	226197	189.30	ug/L	0.00
41) Toluene-d8	7.57	98	597545	193.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	117226	202.02	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	250356	409.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	313170	202.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	244179	192.28	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	200689	204.502	ug/L	100
3) Chloromethane	1.33	50	240670	209.351	ug/L	100
5) Vinyl chloride	1.40	62	223337	204.810	ug/L	100
6) Bromomethane	1.61	94	124096	225.698	ug/L	98
8) Chloroethane	1.68	64	120421	204.601	ug/L	100
9) Trichlorofluoromethane	1.88	101	268355	204.247	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	144493	200.831	ug/L	98
12) 1,1-Dichloroethene	2.28	96	137718	204.677	ug/L	96
13) Acetone	2.32	43	209210	375.114	ug/L	99
14) Carbon disulfide	2.48	76	481776	205.632	ug/L	99
15) Methyl Acetate	2.62	43	233030	198.541	ug/L	100
16) Methylene chloride	2.70	84	168169	202.329	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	152021	204.244	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	567760	204.080	ug/L	100
19) 1,1-Dichloroethane	3.45	63	328261	203.234	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	180275	204.757	ug/L	98
22) 2-Butanone	4.26	43	343294	413.670	ug/L	100
23) Bromochloromethane	4.55	128	86398	210.135	ug/L	96
25) Chloroform	4.67	83	324742	207.174	ug/L	99
27) 1,2-Dichloroethane	5.40	62	278956	205.069	ug/L	99
29) Cyclohexane	5.00	56	336215	199.592	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	285972	200.750	ug/L	99
31) Carbon tetrachloride	5.14	117	253115	197.452	ug/L	98
33) Benzene	5.39	78	705472	201.787	ug/L	100
34) Trichloroethene	6.19	95	178566	204.018	ug/L	99
35) Methylcyclohexane	6.42	83	305638	201.918	ug/L	99
37) 1,2-Dichloropropane	6.43	63	206574	199.978	ug/L	100
38) Bromodichloromethane	6.76	83	261116	203.414	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	328794	206.718	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	678100	408.446	ug/L	99

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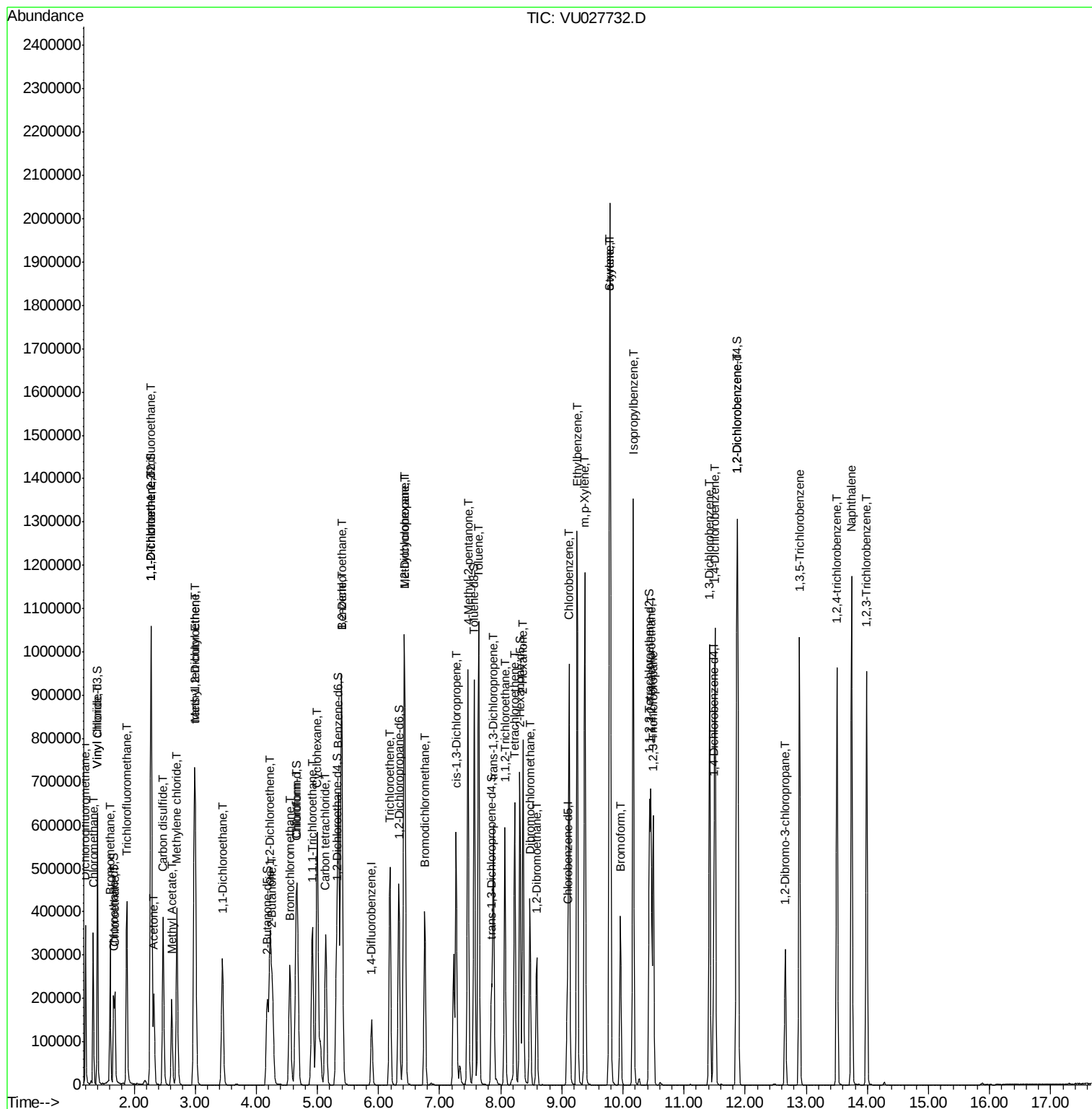
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	744782	203.415	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	314083	208.751	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	173871	203.775	ug/L	98
46) Tetrachloroethene	8.23	164	140653	208.090	ug/L	96
48) 2-Hexanone	8.37	43	532507	413.597	ug/L	97
49) Dibromochloromethane	8.48	129	209449	207.160	ug/L	98
50) 1,2-Dibromoethane	8.59	107	191037	209.771	ug/L	96
51) Chlorobenzene	9.12	112	465330	207.299	ug/L	98
52) Ethylbenzene	9.25	91	866073	209.113	ug/L	100
53) m,p-Xylene	9.38	106	314248	210.035	ug/L	100
54) o-xylene	9.78	106	312258	209.373	ug/L	98
55) Styrene	9.79	104	546219	215.170	ug/L	97
56) Isopropylbenzene	10.17	105	840940	212.912	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	318889	210.168	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	251255	205.810	ug/L	98
61) Bromoform	9.96	173	171650	207.696	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	388905	209.201	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	389833	205.654	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	390410	204.181	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	80364	201.708	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	305110	212.208	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	282786	221.548	ug/L	99
69) Naphthalene	13.74	128	880891	213.674	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	283310	212.373	ug/L	99

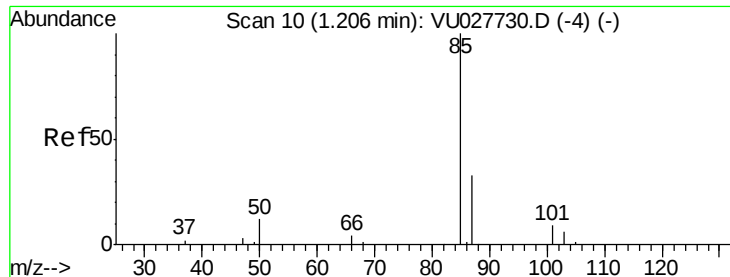
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 204.502 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

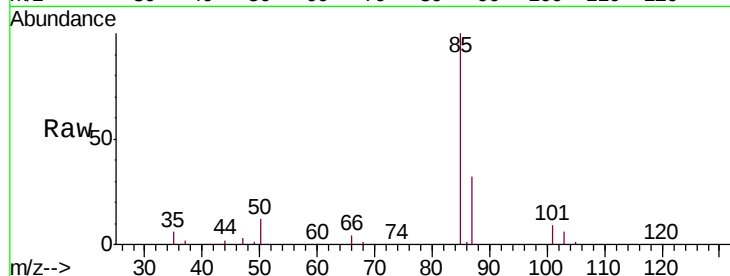
VSTD20056

Tgt Ion: 85 Resp: 200689

Ion Ratio Lower Upper

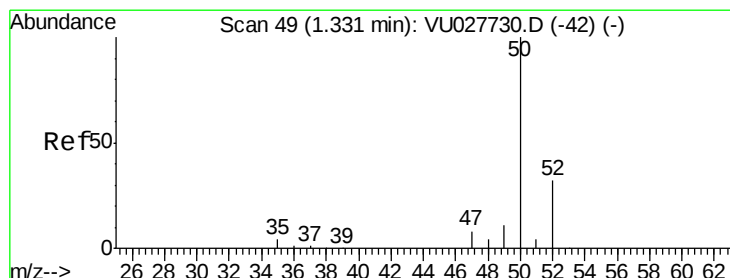
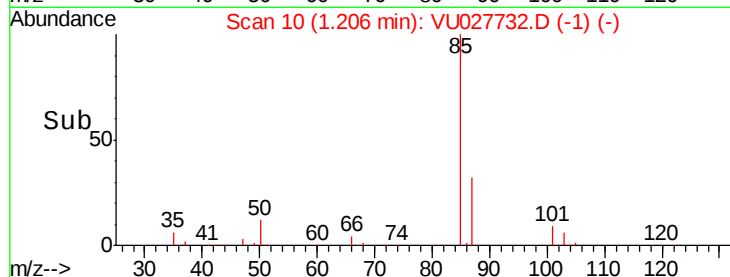
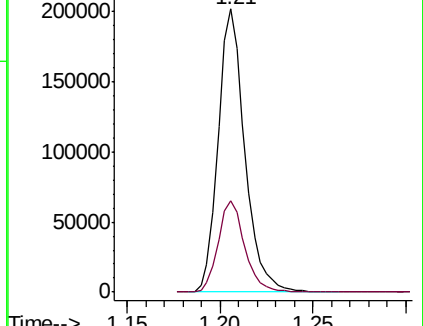
85 100

87 32.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 209.351 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027732.D

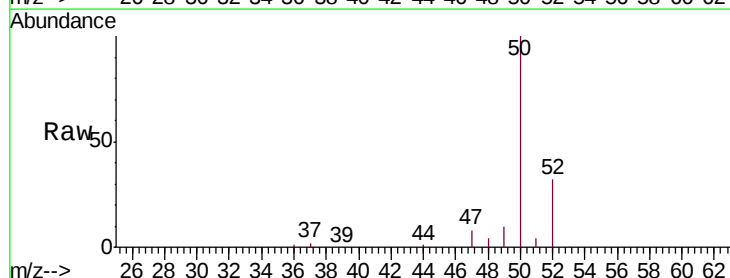
Acq: 22 Oct 2018 10:14

Tgt Ion: 50 Resp: 240670

Ion Ratio Lower Upper

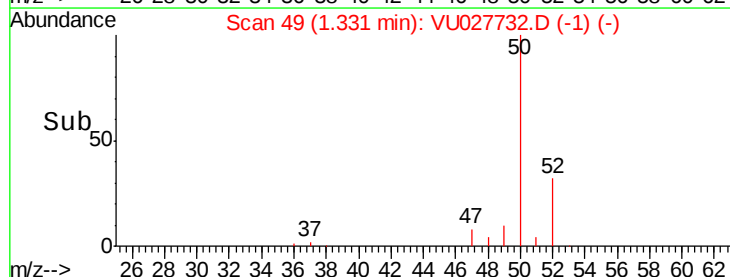
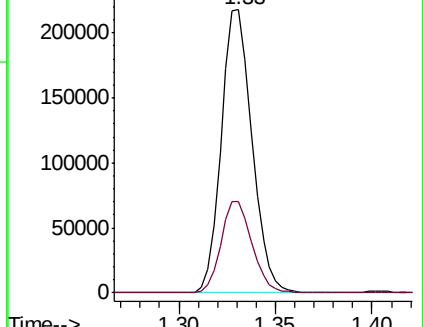
50 100

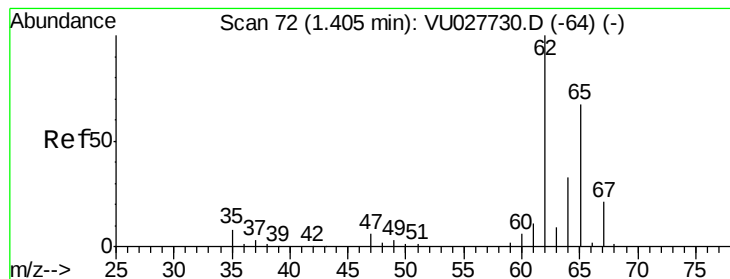
52 32.1 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 204.810 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

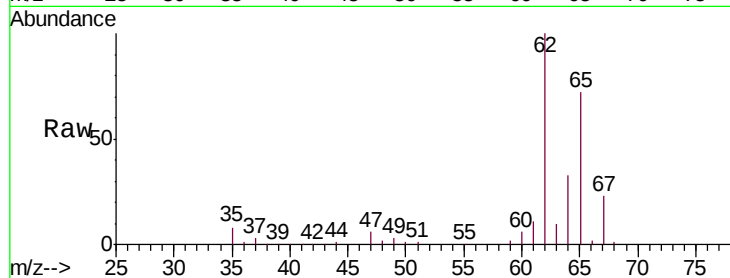
VSTD20056

Tgt Ion: 62 Resp: 223337

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

200000

150000

100000

50000

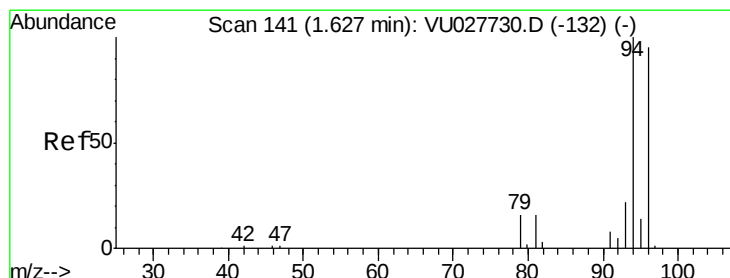
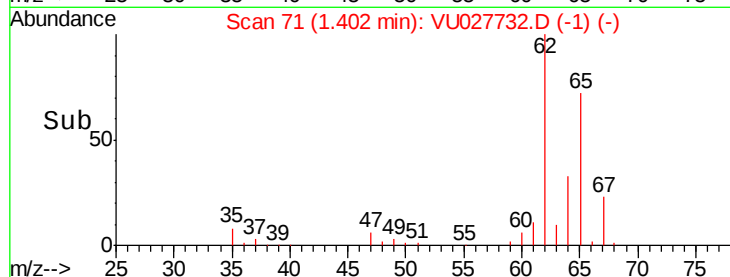
0

Time-->

1.35

1.40

1.45



#6

Bromomethane

Concen: 225.698 ug/L

RT: 1.61 min Scan# 135

Delta R.T. -0.02 min

Lab File: VU027732.D

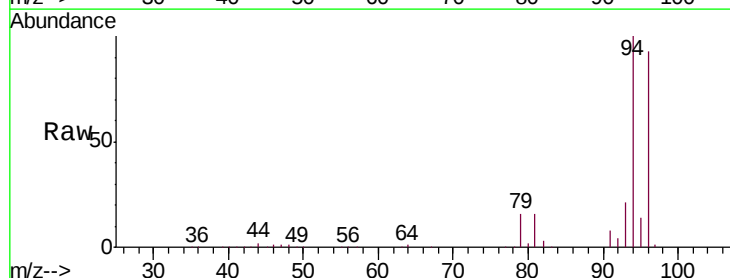
Acq: 22 Oct 2018 10:14

Tgt Ion: 94 Resp: 124096

Ion Ratio Lower Upper

94 100

96 92.7 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

100000

50000

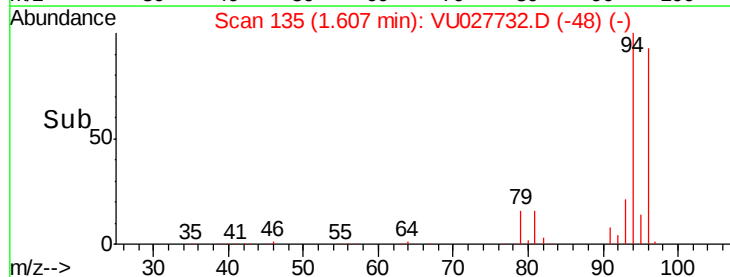
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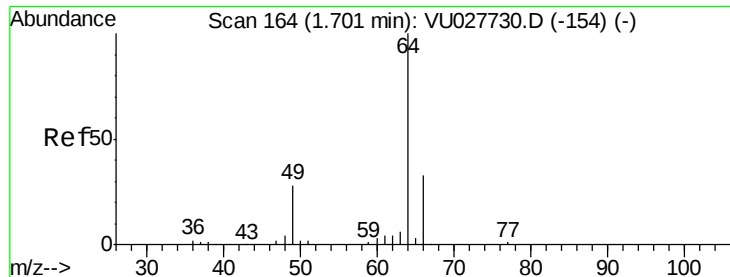
Time-->

1.55

1.60

1.65

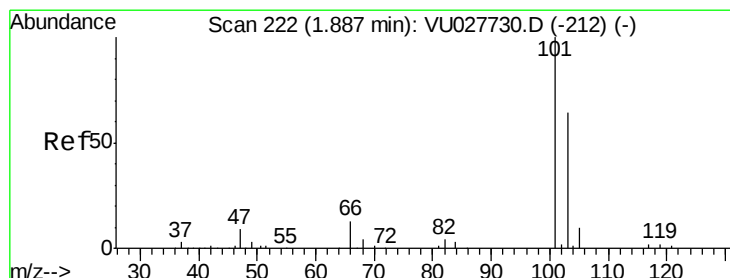
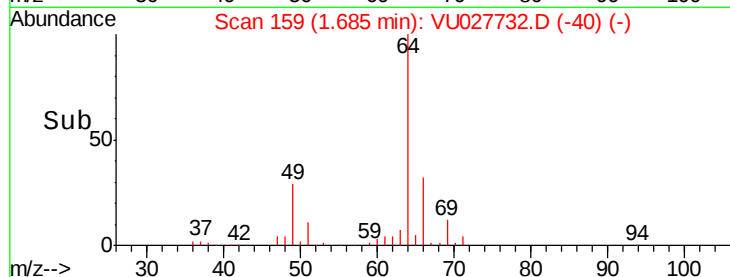
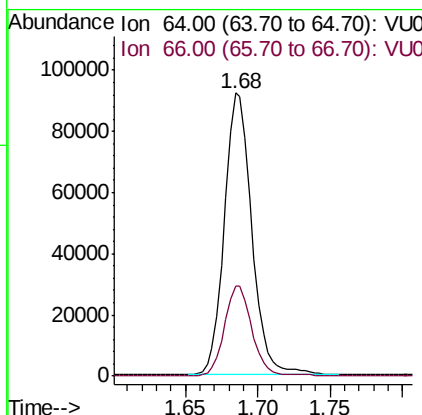
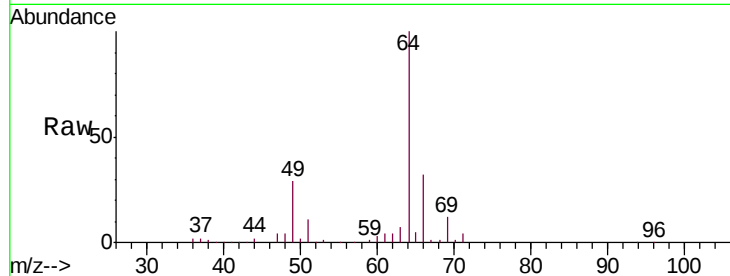




#8
Chloroethane
Concen: 204.601 ug/L
RT: 1.68 min Scan# 159
Delta R.T. -0.02 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

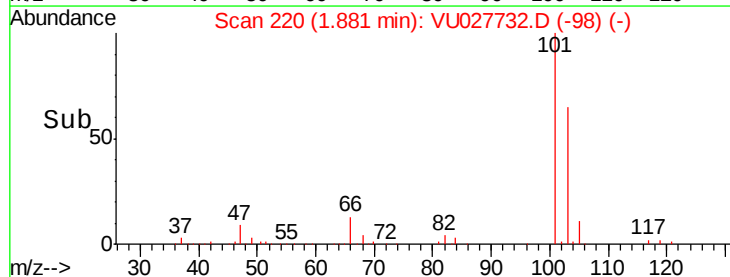
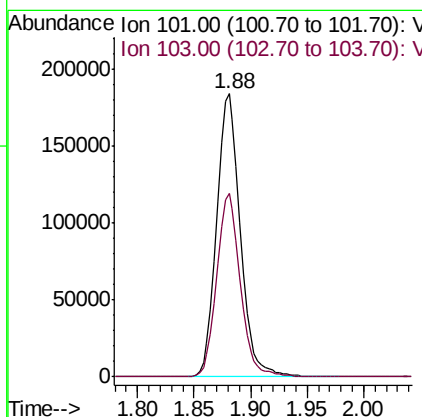
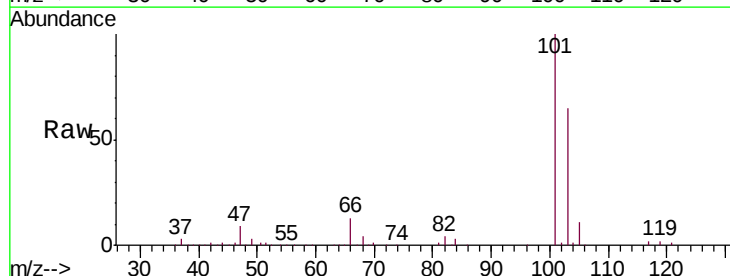
Instrument :
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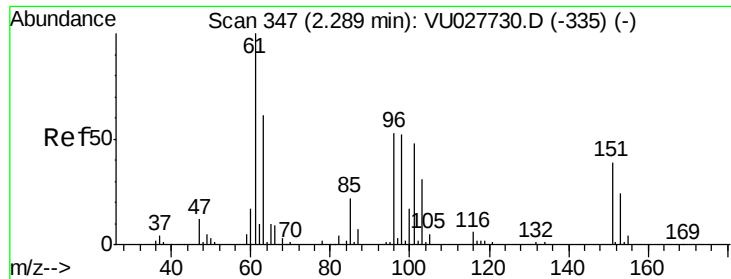
Tgt Ion: 64 Resp: 120421
Ion Ratio Lower Upper
64 100
66 32.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 204.247 ug/L
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

Tgt Ion: 101 Resp: 268355
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4





#10

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

Concen: 200.831 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD20056

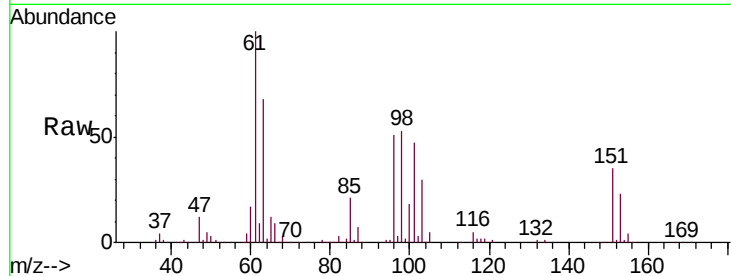
Tgt Ion: 101 Resp: 144493

Ion Ratio Lower Upper

101 100

85 46.2 36.7 55.1

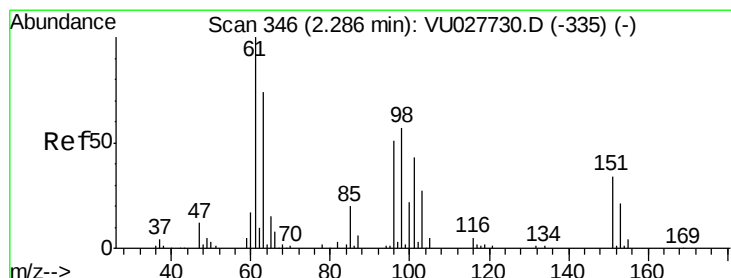
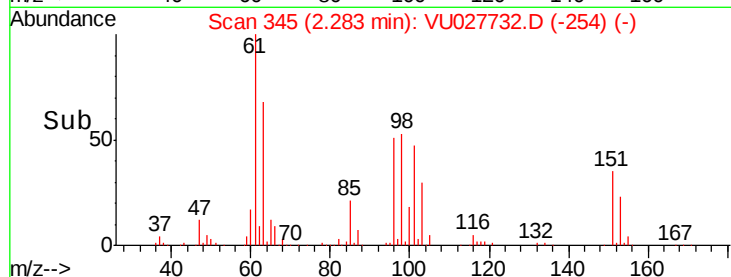
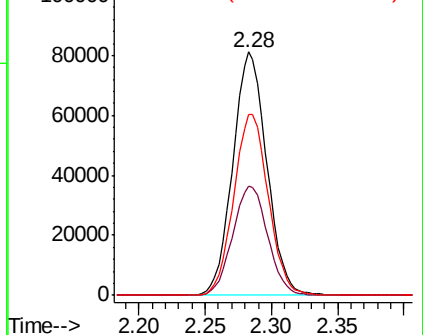
151 75.5 62.0 93.0



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: 204.677 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

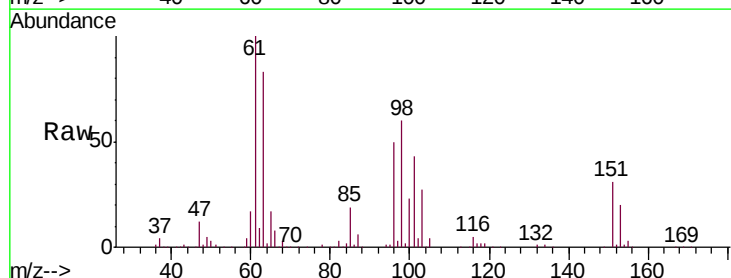
Tgt Ion: 96 Resp: 137718

Ion Ratio Lower Upper

96 100

61 200.1 137.3 255.1

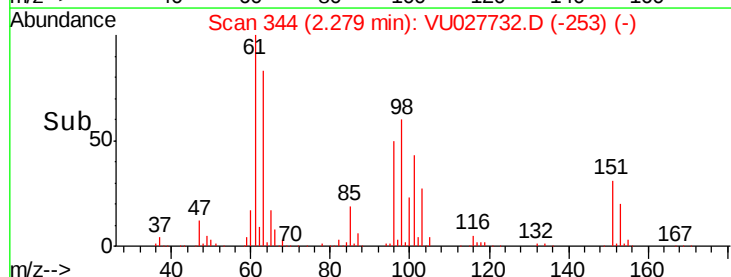
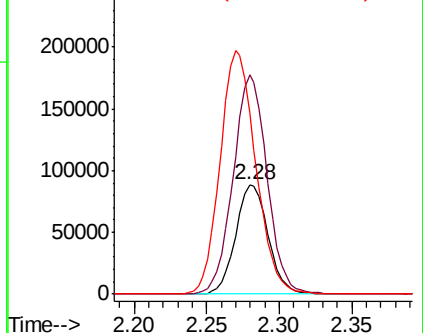
63 165.4 109.8 204.0

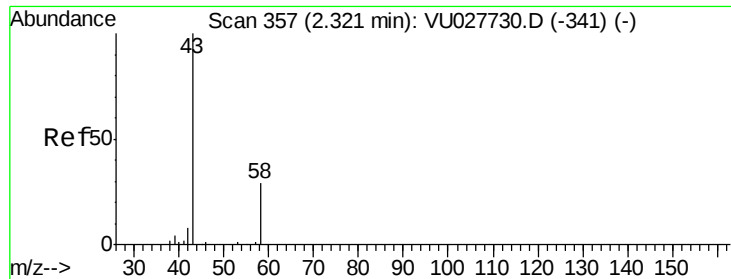


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 375.114 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

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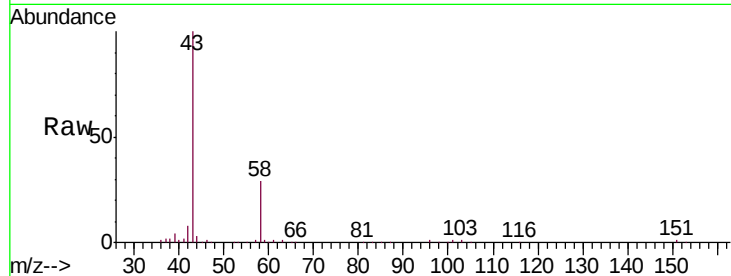
VSTD20056

Tgt Ion: 43 Resp: 209210

Ion Ratio Lower Upper

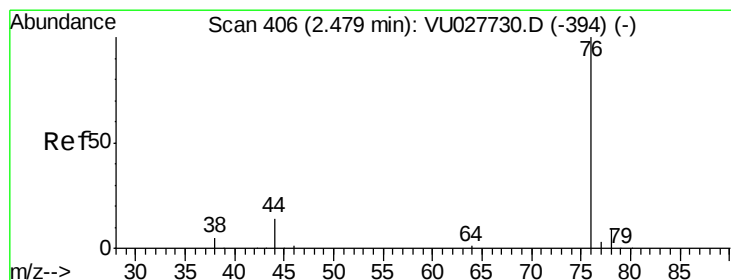
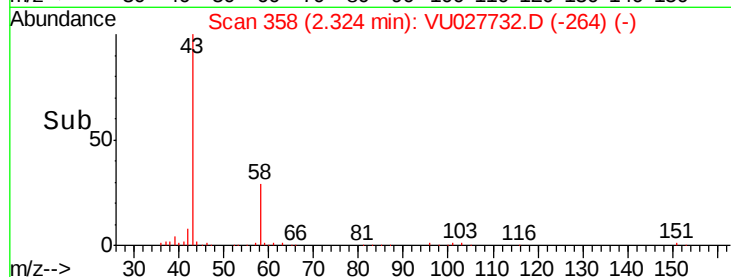
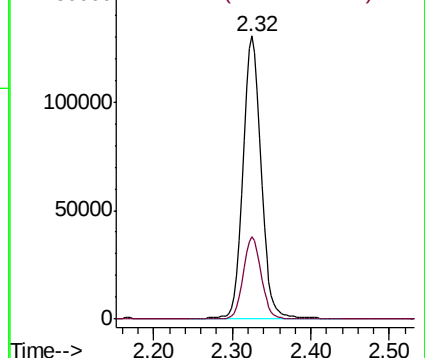
43 100

58 28.2 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU027730.D (-341) (-)

Ion 58.00 (57.70 to 58.70): VU027730.D (-341) (-)



#14

Carbon disulfide

Concen: 205.632 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027732.D

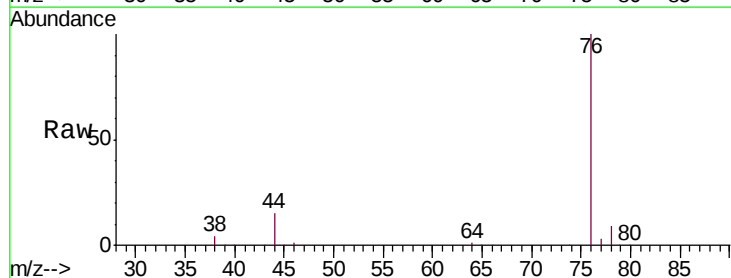
Acq: 22 Oct 2018 10:14

Tgt Ion: 76 Resp: 481776

Ion Ratio Lower Upper

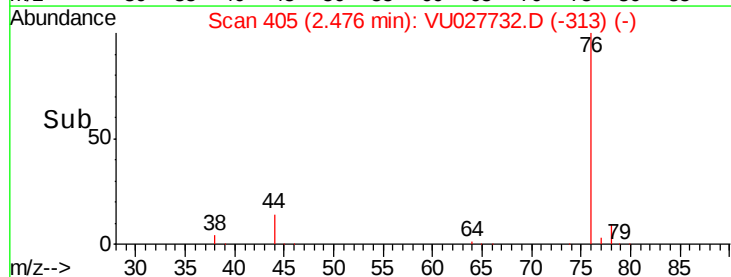
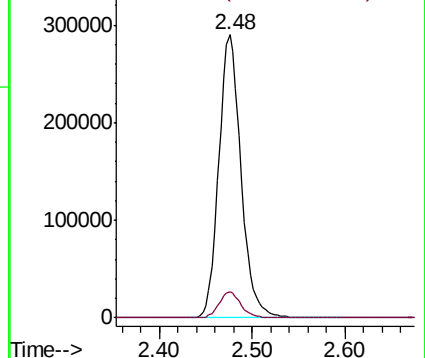
76 100

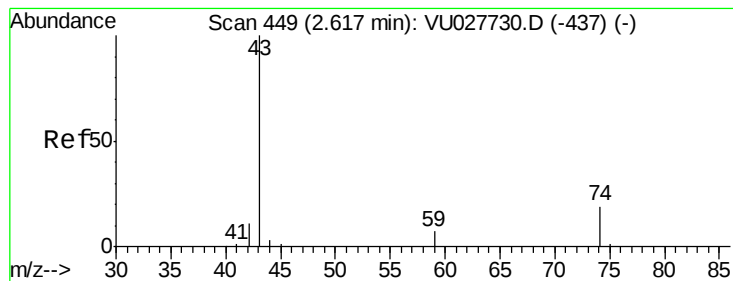
78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VU027730.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027730.D (-394) (-)





#15

Methyl Acetate

Concen: 198.541 ug/L

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

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Acq: 22 Oct 2018 10:14

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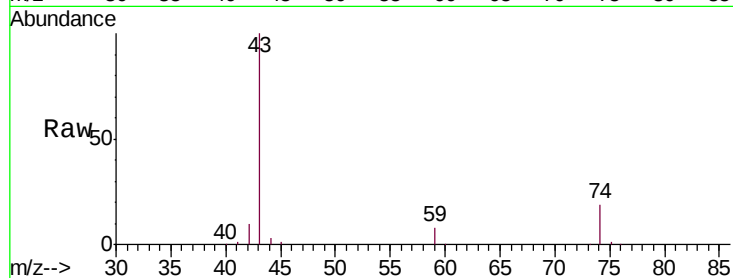
VSTD20056

Tgt Ion: 43 Resp: 233030

Ion Ratio Lower Upper

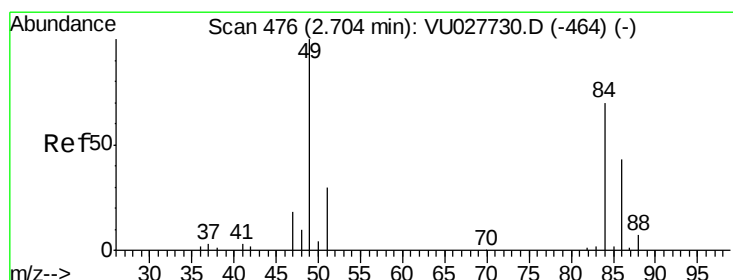
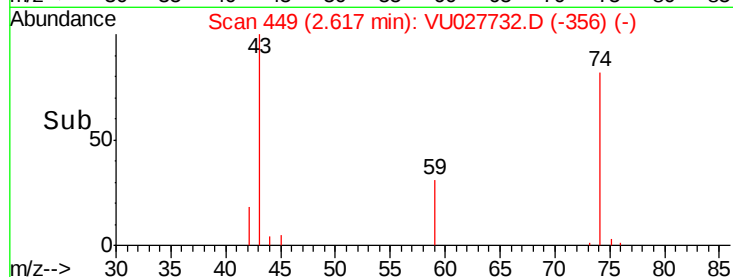
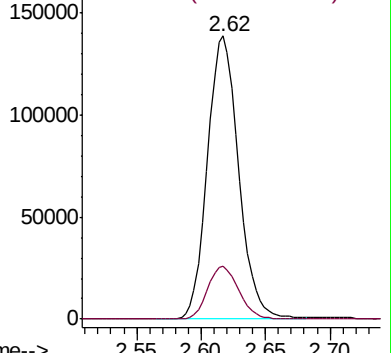
43 100

74 18.9 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 202.329 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

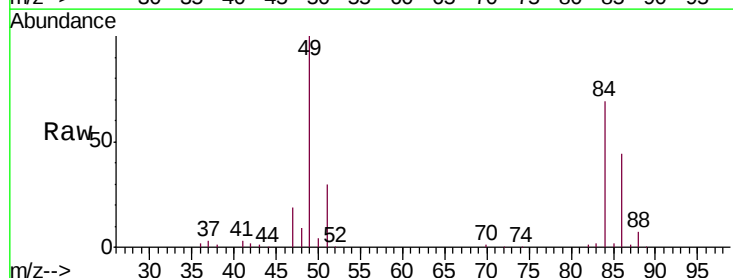
Tgt Ion: 84 Resp: 168169

Ion Ratio Lower Upper

84 100

86 63.5 42.8 79.6

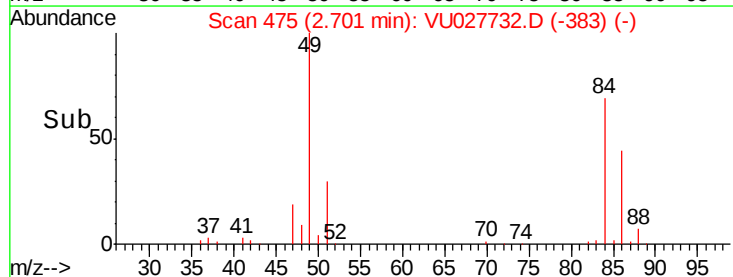
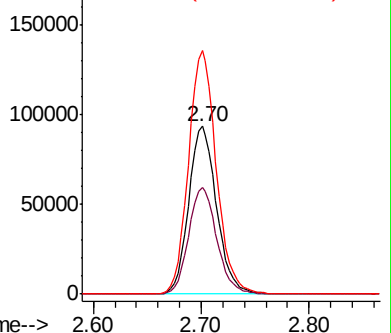
49 145.2 100.0 185.6

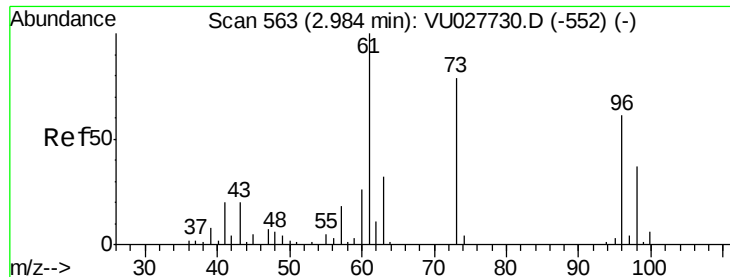


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 204.244 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD20056

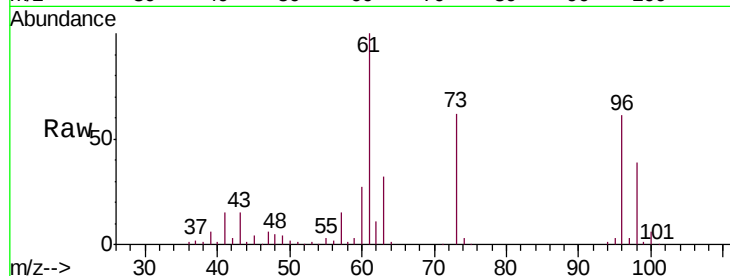
Tgt Ion: 96 Resp: 152021

Ion Ratio Lower Upper

96 100

61 162.6 114.7 212.9

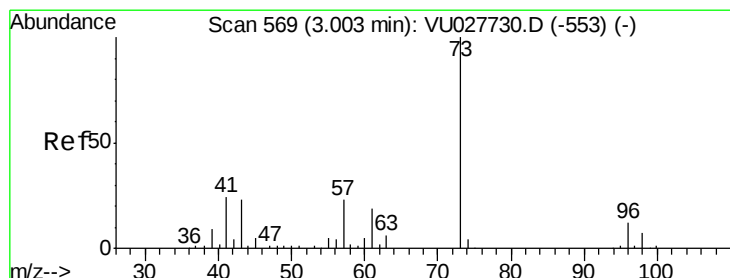
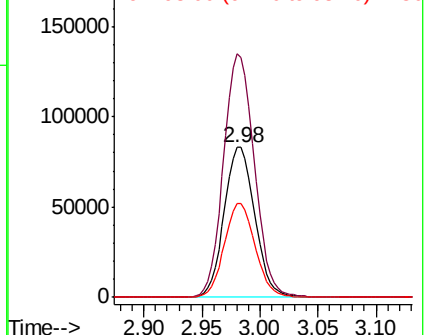
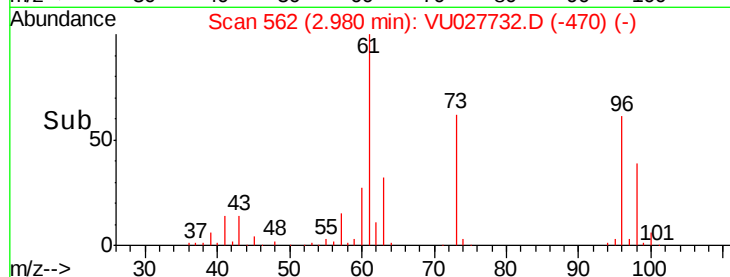
98 62.6 42.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VU027732.D (-470) (-)

Ion 61.00 (60.70 to 61.70): VU027732.D (-470) (-)

Ion 98.00 (97.70 to 98.70): VU027732.D (-470) (-)



#18

Methyl tert-butyl Ether

Concen: 204.080 ug/L

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

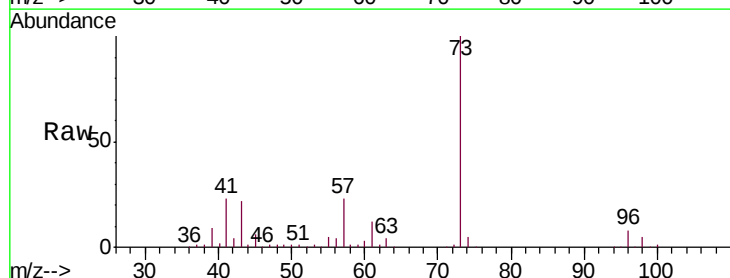
Tgt Ion: 73 Resp: 567760

Ion Ratio Lower Upper

73 100

43 22.6 18.3 27.5

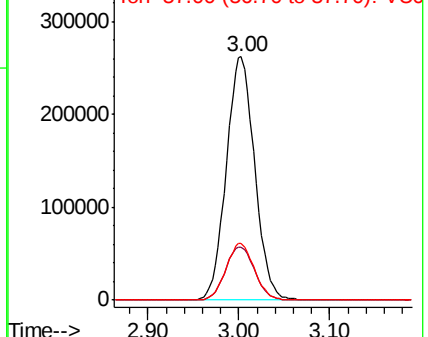
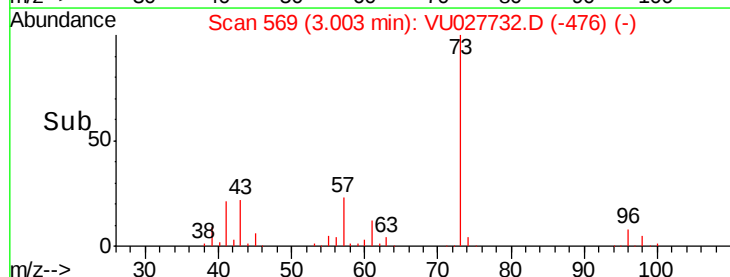
57 23.3 18.6 28.0

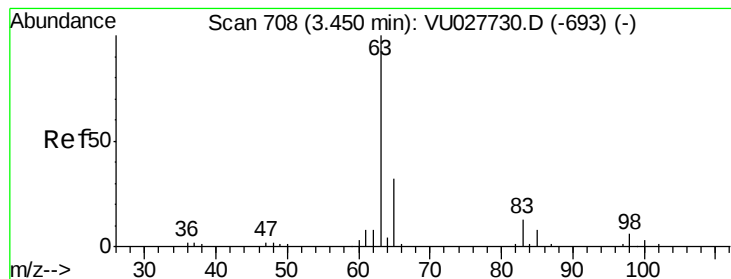


Abundance Ion 73.00 (72.70 to 73.70): VU027732.D (-476) (-)

Ion 43.00 (42.70 to 43.70): VU027732.D (-476) (-)

Ion 57.00 (56.70 to 57.70): VU027732.D (-476) (-)





#19

1,1-Dichloroethane

Concen: 203.234 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD20056

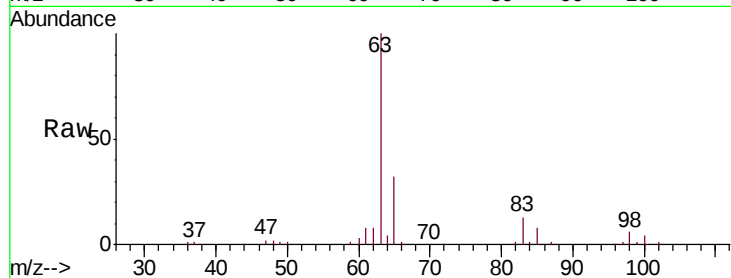
Tgt Ion: 63 Resp: 328261

Ion Ratio Lower Upper

63 100

65 31.6 22.2 41.2

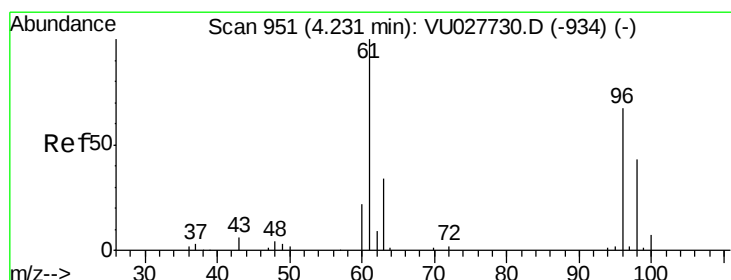
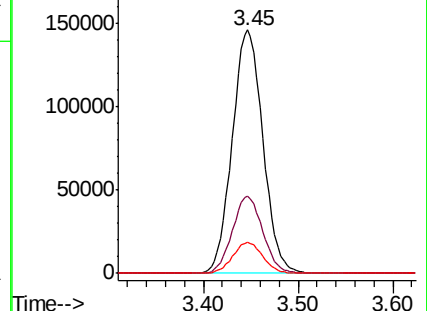
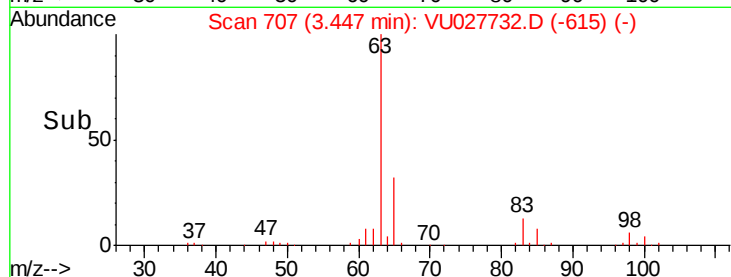
83 12.7 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU027732.D (-615) (-)

Ion 65.00 (64.70 to 65.70): VU027732.D (-615) (-)

Ion 83.00 (82.70 to 83.70): VU027732.D (-615) (-)



#20

cis-1,2-Dichloroethene

Concen: 204.757 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

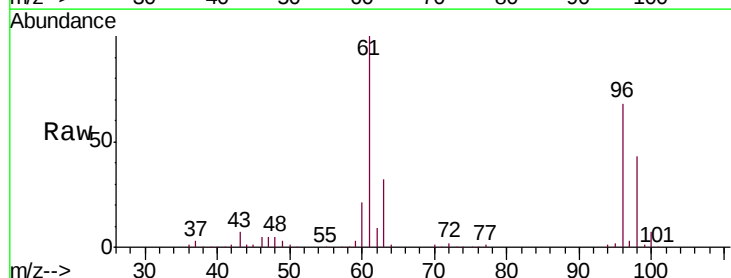
Tgt Ion: 96 Resp: 180275

Ion Ratio Lower Upper

96 100

61 146.4 104.2 193.4

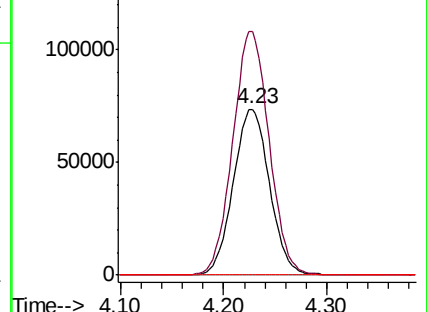
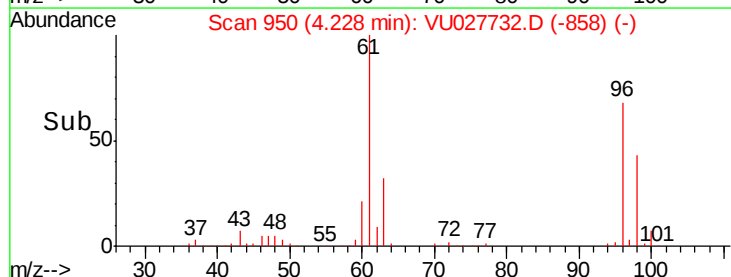
68 0.0 0.0 0.0

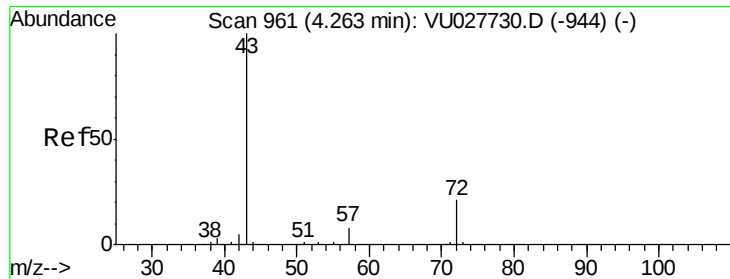


Abundance Ion 96.00 (95.70 to 96.70): VU027732.D (-858) (-)

Ion 61.00 (60.70 to 61.70): VU027732.D (-858) (-)

Ion 68.00 (67.70 to 68.70): VU027732.D (-858) (-)





#22

2-Butanone

Concen: 413.670 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

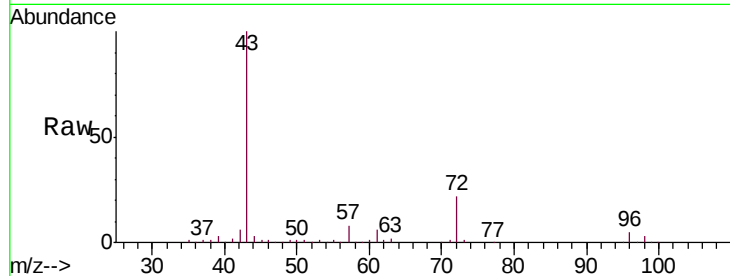
VSTD20056

Tgt Ion: 43 Resp: 343294

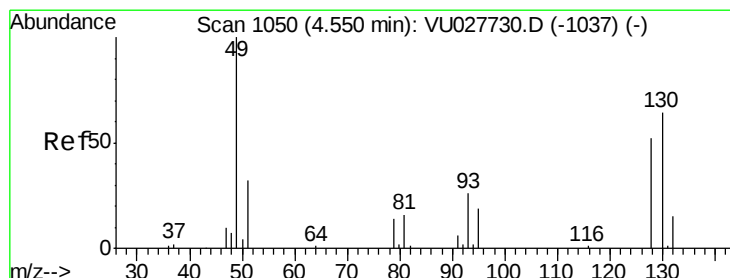
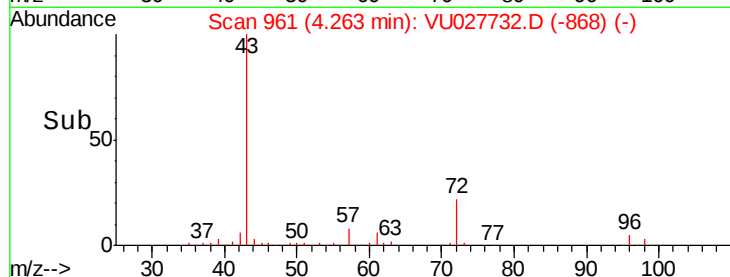
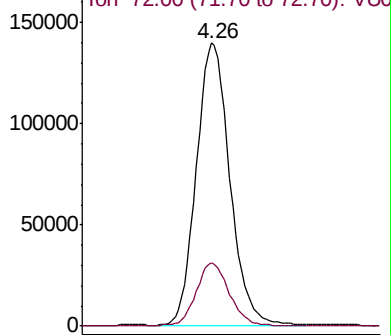
Ion Ratio Lower Upper

43 100

72 22.4 11.2 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU027732.D (-944) (-)



#23

Bromochloromethane

Concen: 210.135 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Tgt Ion: 128 Resp: 86398

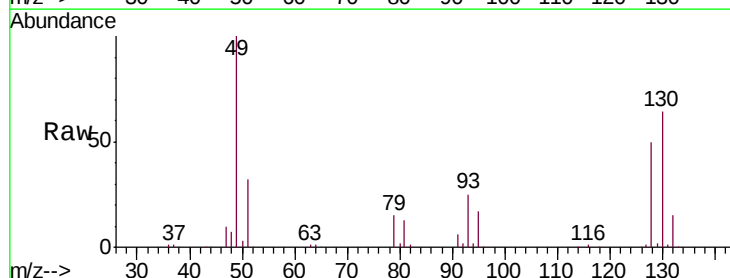
Ion Ratio Lower Upper

128 100

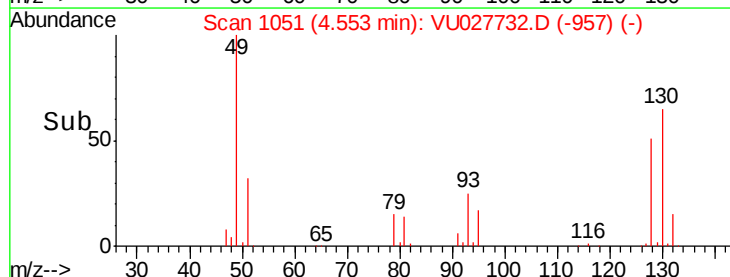
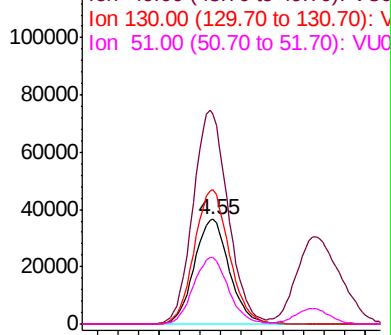
49 200.2 136.2 253.0

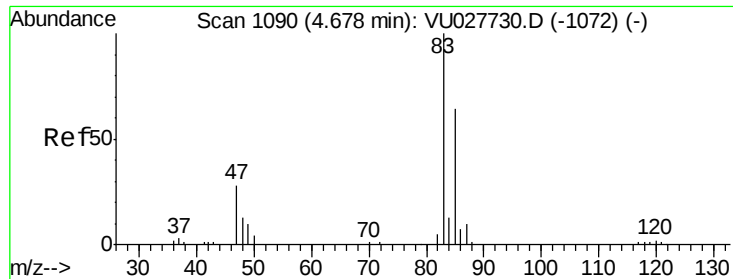
130 128.1 86.0 159.6

51 63.6 48.8 73.2



Abundance Ion 128.00 (127.70 to 128.70): VU027732.D (-957) (-)

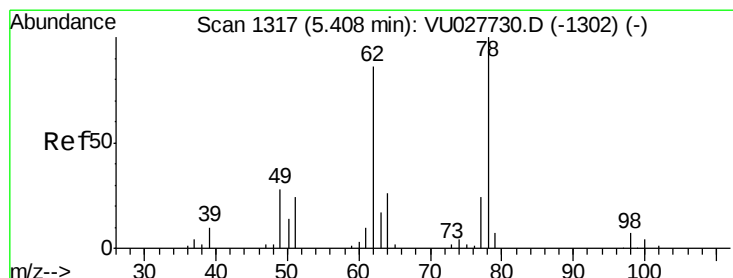
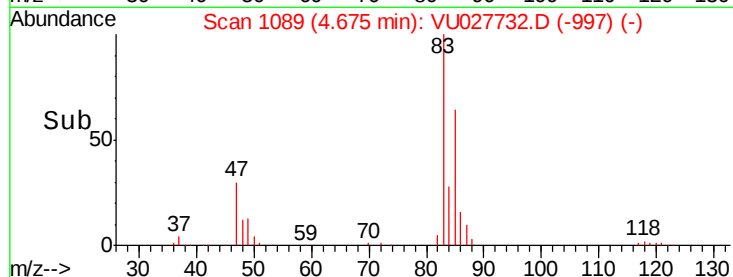
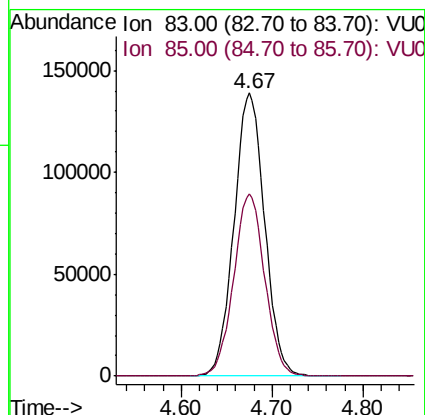
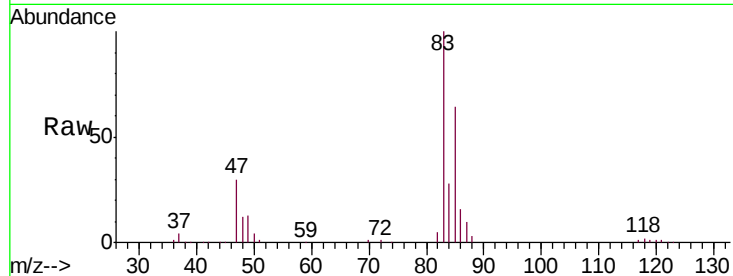




#25
Chloroform
Concen: 207.174 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

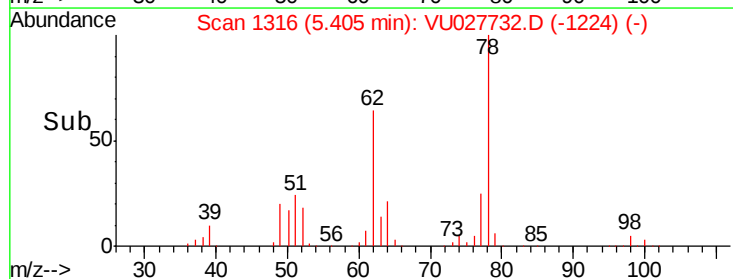
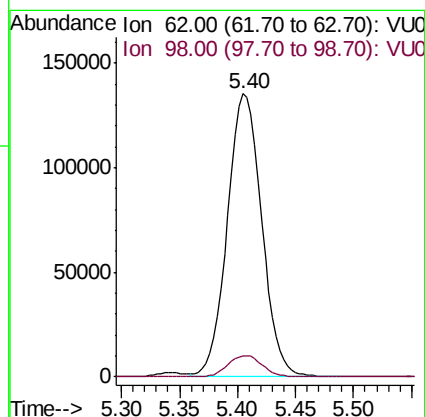
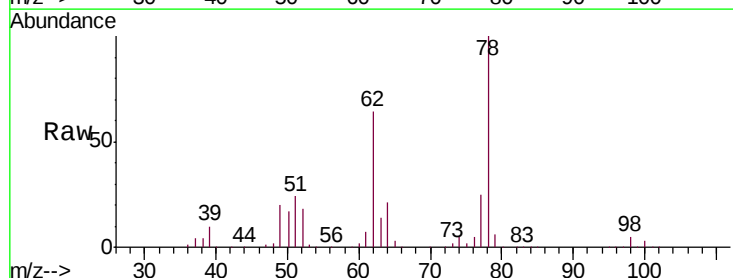
Instrument :
MSVOA_U
ClientSampleId :
VSTD20056

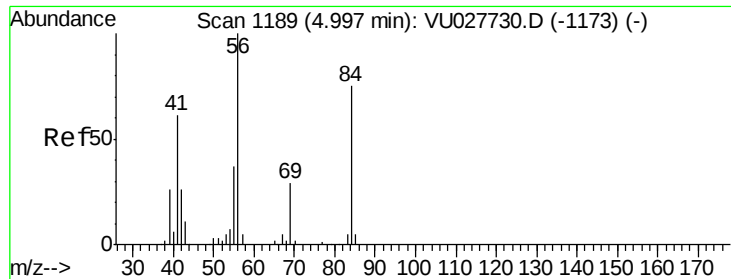
Tgt Ion: 83 Resp: 324742
Ion Ratio Lower Upper
83 100
85 64.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 205.069 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

Tgt Ion: 62 Resp: 278956
Ion Ratio Lower Upper
62 100
98 7.5 6.3 9.5

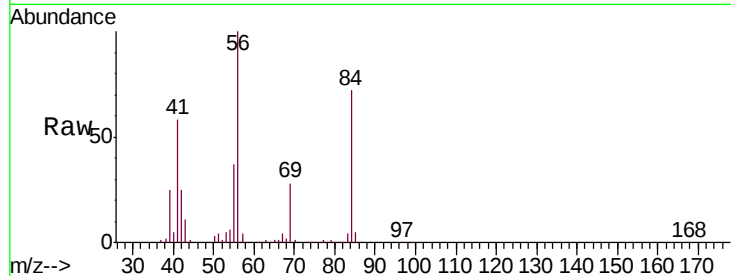




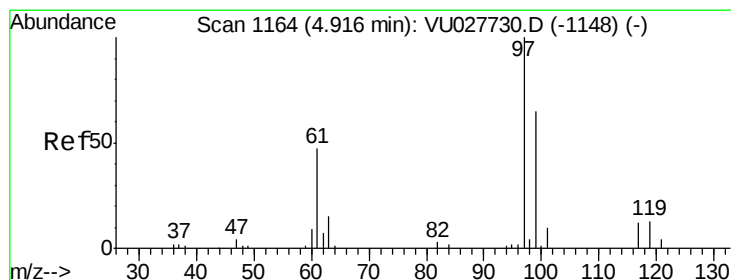
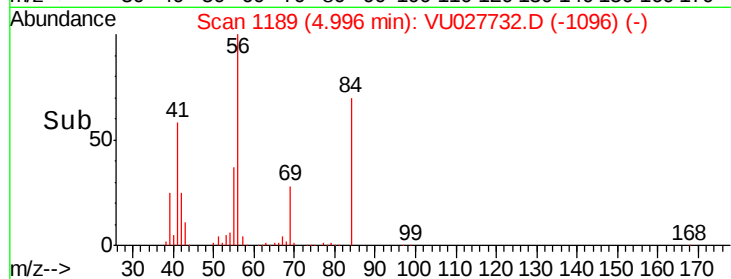
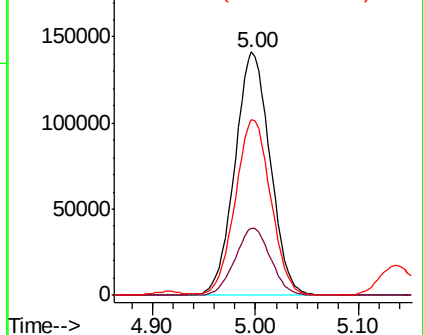
#29
Cyclohexane
Concen: 199.592 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD20056

Tgt Ion: 56 Resp: 336215
Ion Ratio Lower Upper
56 100
69 27.8 22.5 33.7
84 72.8 58.5 87.7

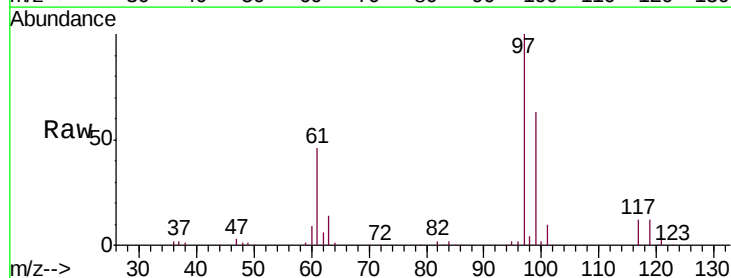


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

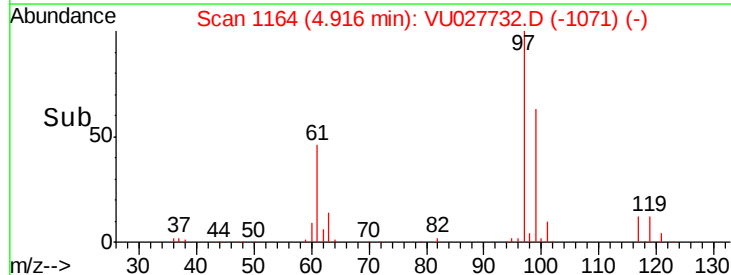
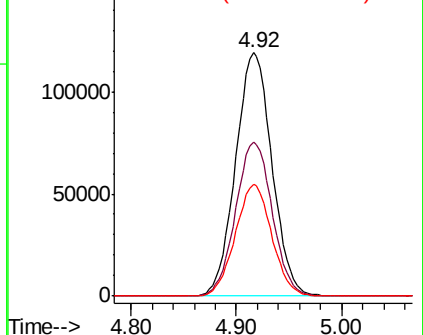


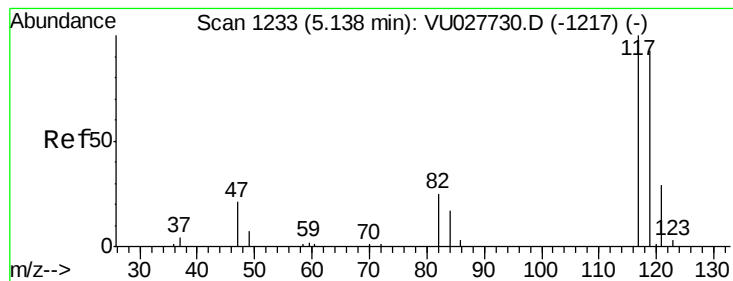
#30
1,1,1-Trichloroethane
Concen: 200.750 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

Tgt Ion: 97 Resp: 285972
Ion Ratio Lower Upper
97 100
99 63.7 51.7 77.5
61 45.9 37.5 56.3



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 197.452 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

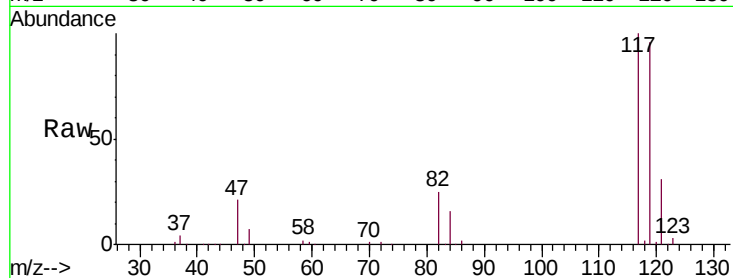
VSTD20056

Tgt Ion:117 Resp: 253115

Ion Ratio Lower Upper

117 100

119 96.1 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.14

120000

100000

80000

60000

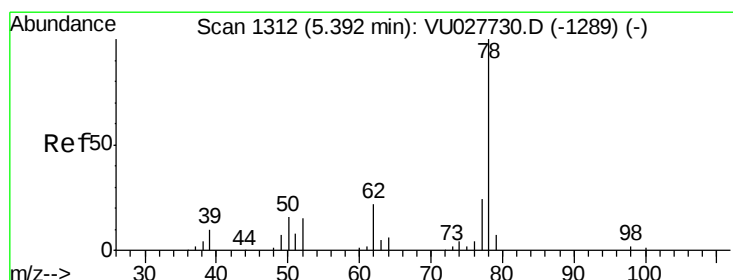
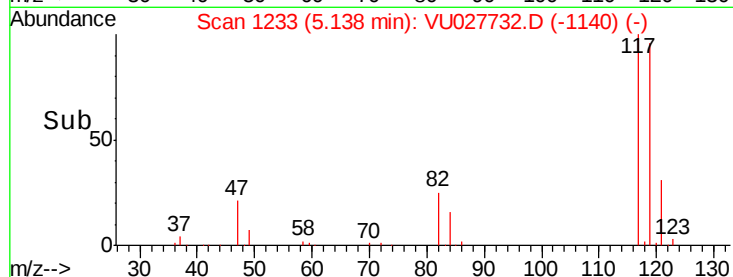
40000

20000

0

Time-->

5.10 5.20



#33

Benzene

Concen: 201.787 ug/L

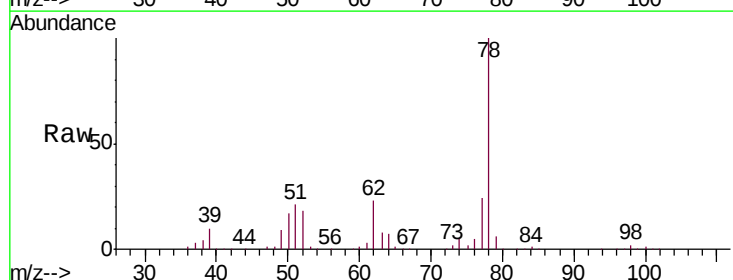
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Tgt Ion: 78 Resp: 705472



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

300000

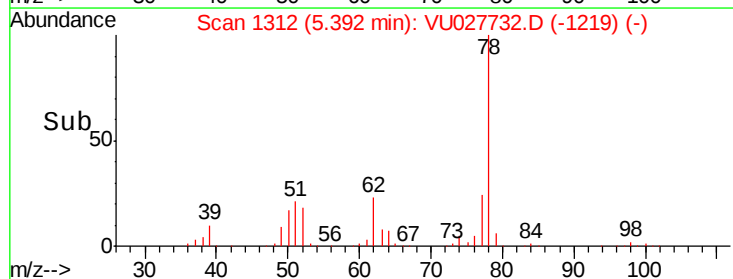
200000

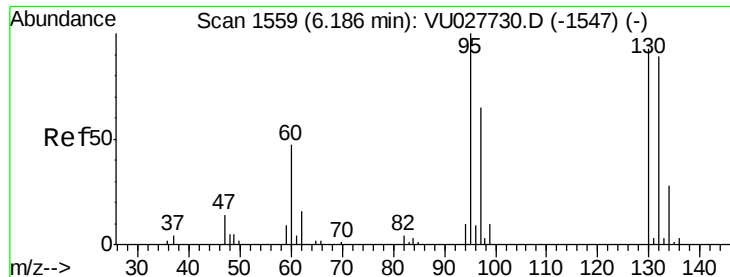
100000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 204.018 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD20056

Tgt Ion: 95 Resp: 178566

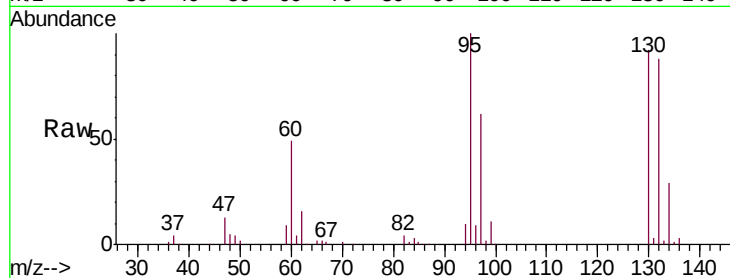
Ion Ratio Lower Upper

95 100

97 62.5 45.8 85.2

132 88.2 62.1 115.3

130 92.4 65.0 120.6

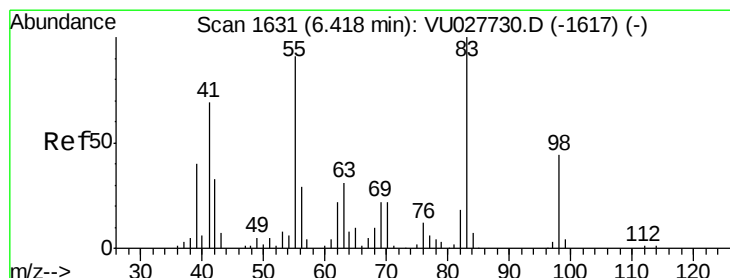
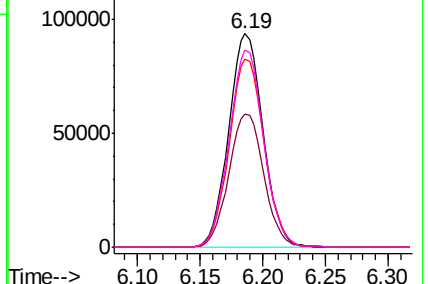
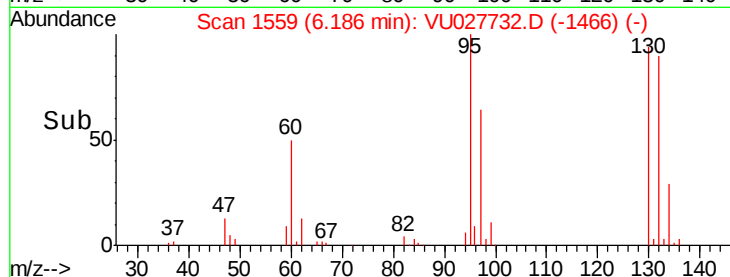


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 201.918 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

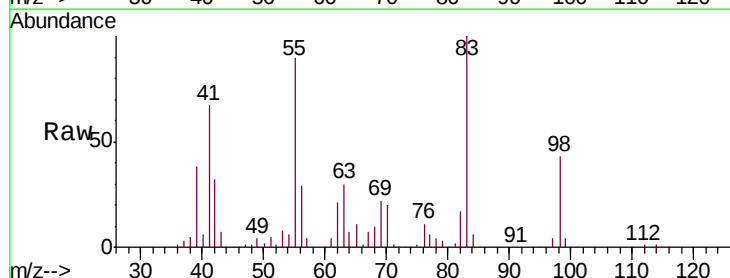
Tgt Ion: 83 Resp: 305638

Ion Ratio Lower Upper

83 100

55 89.0 71.9 107.9

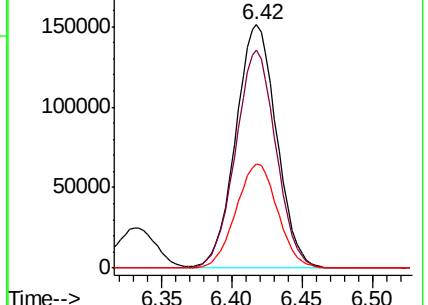
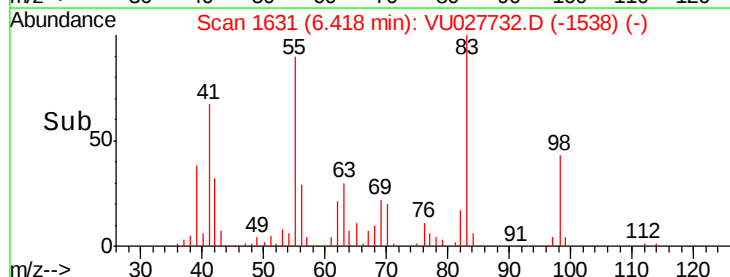
98 43.6 34.6 52.0

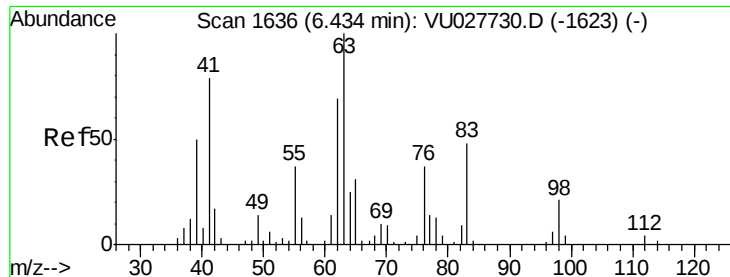


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

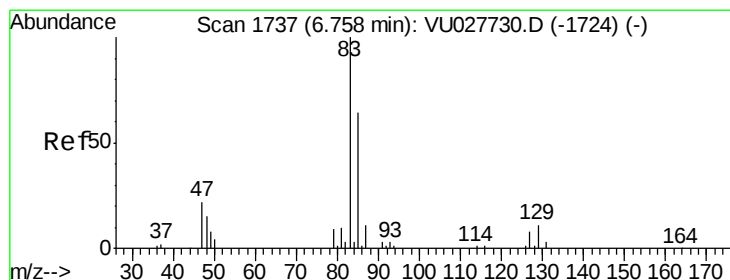
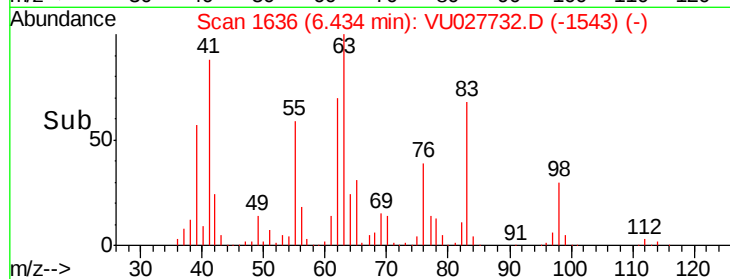
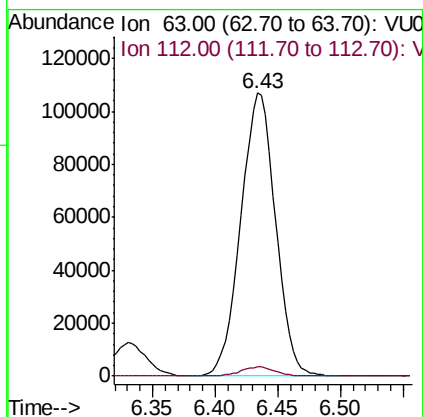
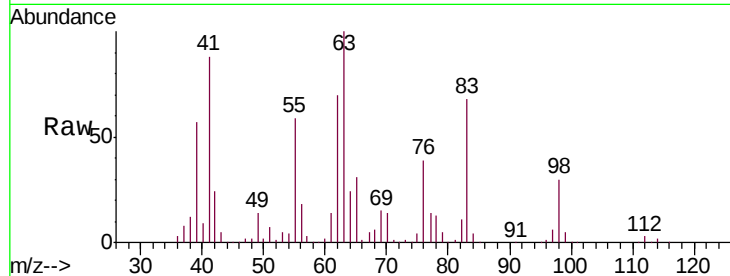




#37
 1,2-Dichloropropane
 Concen: 199.978 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027732.D
 Acq: 22 Oct 2018 10:14

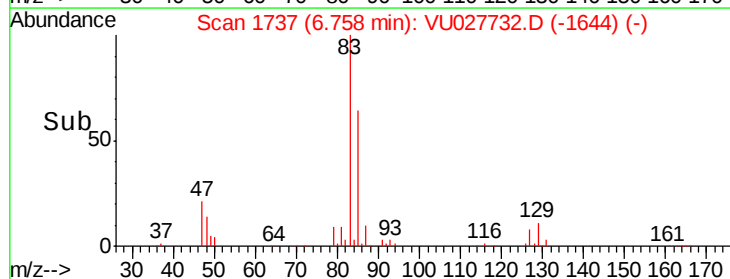
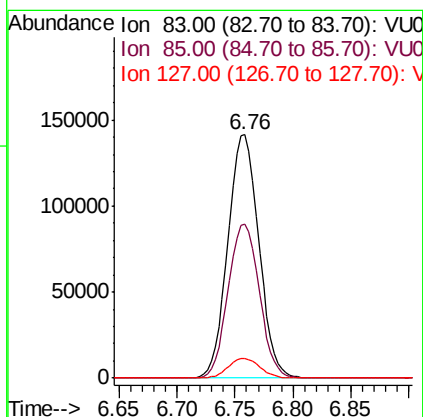
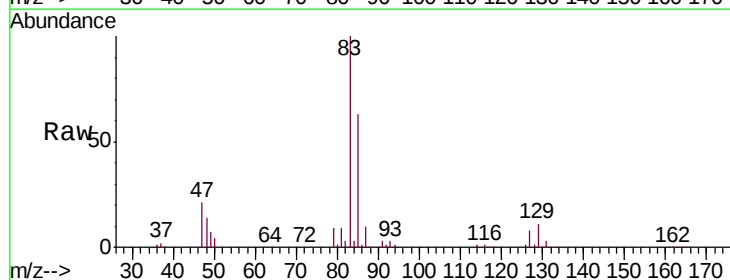
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20056

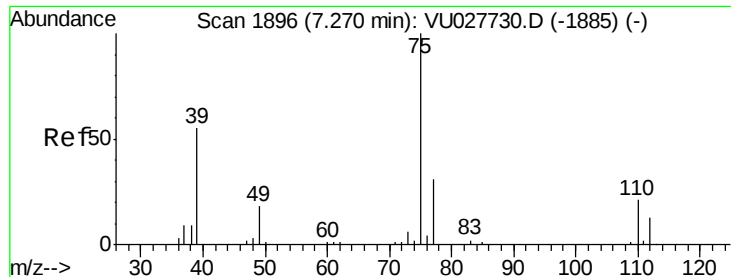
Tgt Ion: 63 Resp: 206574
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 3.8



#38
 Bromodichloromethane
 Concen: 203.414 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027732.D
 Acq: 22 Oct 2018 10:14

Tgt Ion: 83 Resp: 261116
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.5 82.7
 127 8.1 6.2 9.2

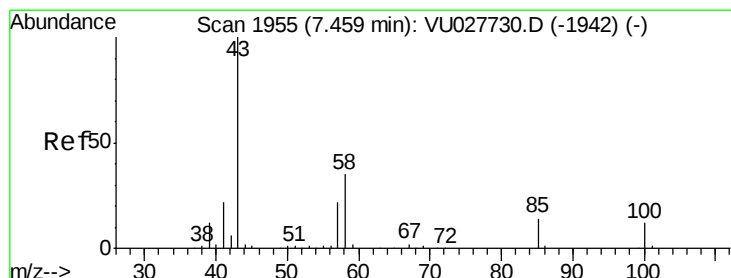
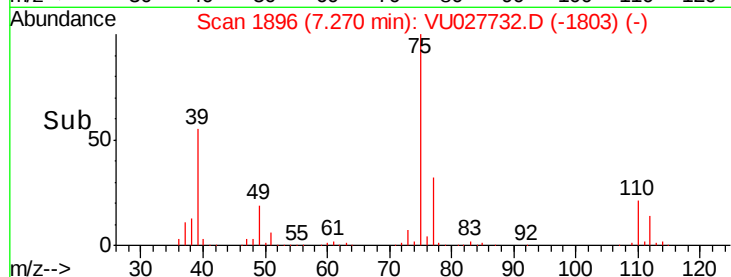
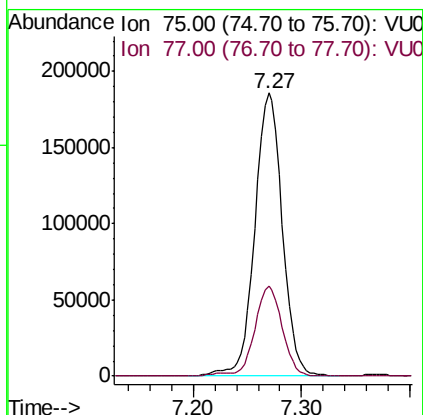
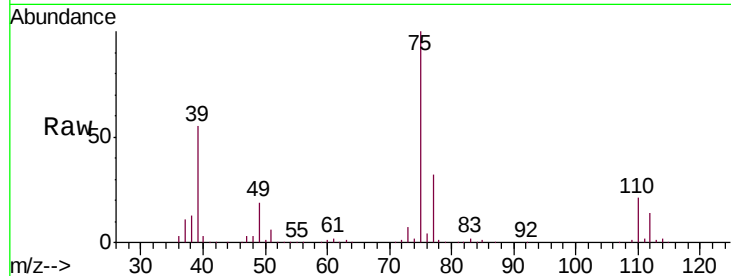




#39
 cis-1,3-Dichloropropene
 Concen: 206.718 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027732.D
 Acq: 22 Oct 2018 10:14

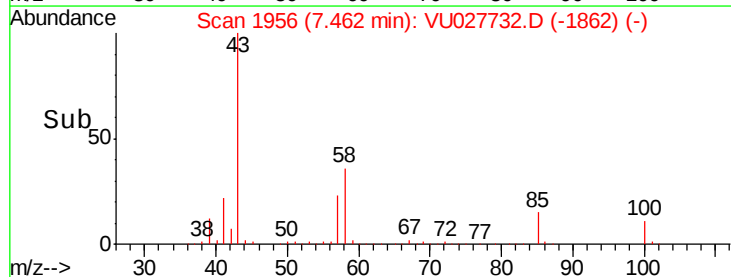
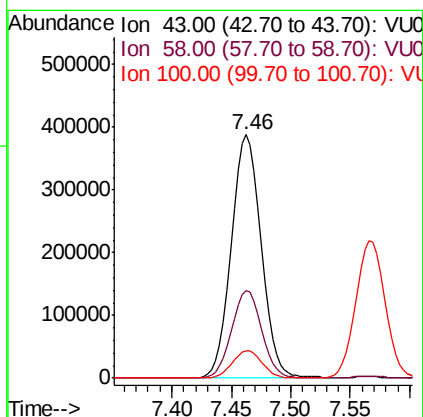
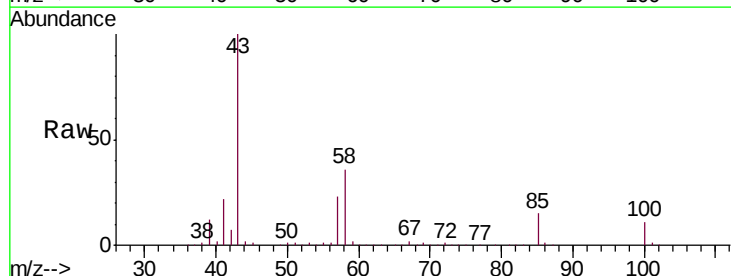
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20056

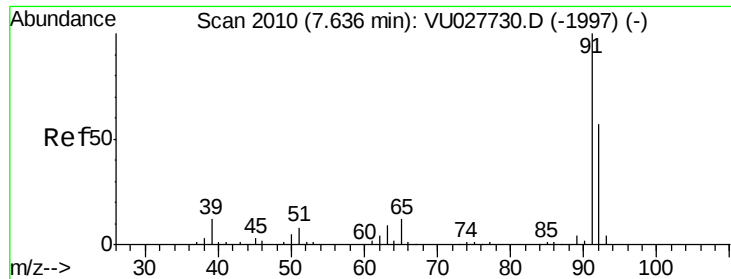
Tgt Ion: 75 Resp: 328794
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 408.446 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU027732.D
 Acq: 22 Oct 2018 10:14

Tgt Ion: 43 Resp: 678100
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.3 42.5
 100 11.3 9.1 13.7





#42

Toluene

Concen: 203.415 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

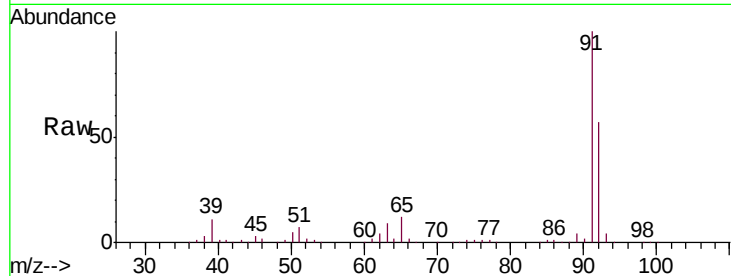
VSTD20056

Tgt Ion: 91 Resp: 744782

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

400000

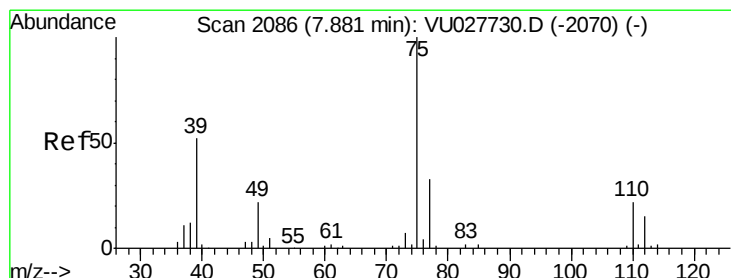
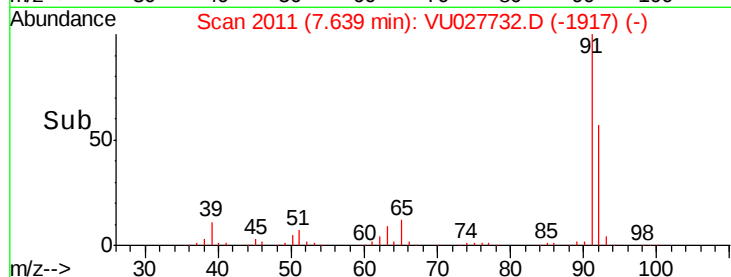
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 208.751 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027732.D

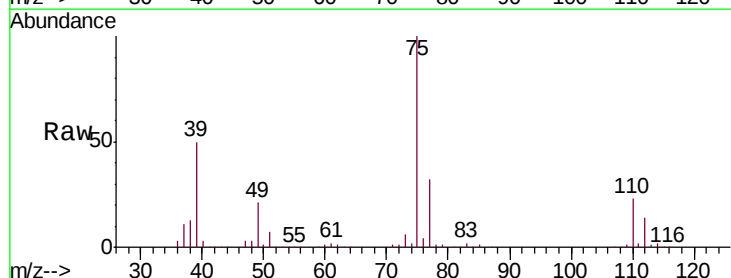
Acq: 22 Oct 2018 10:14

Tgt Ion: 75 Resp: 314083

Ion Ratio Lower Upper

75 100

77 31.7 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

200000

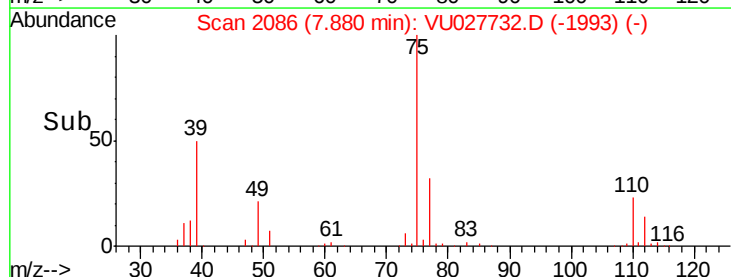
150000

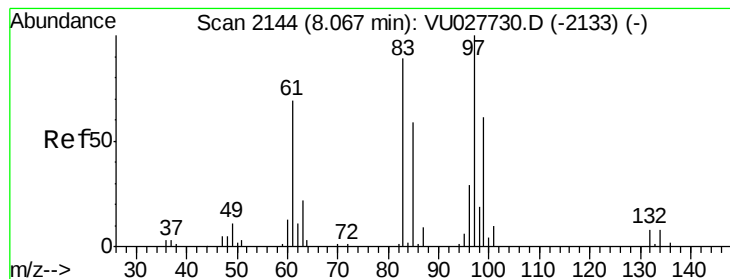
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 203.775 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD20056

Tgt Ion: 97 Resp: 173871

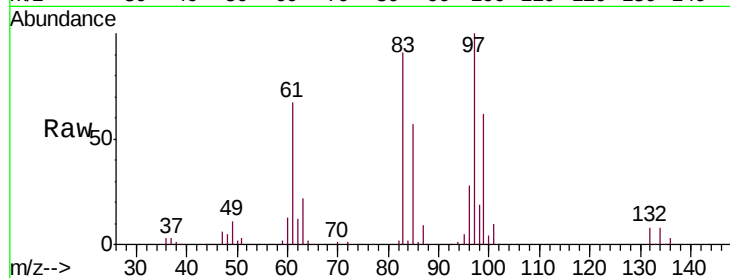
Ion Ratio Lower Upper

97 100

99 61.7 42.6 79.2

83 91.1 62.4 115.8

85 57.4 41.6 77.2

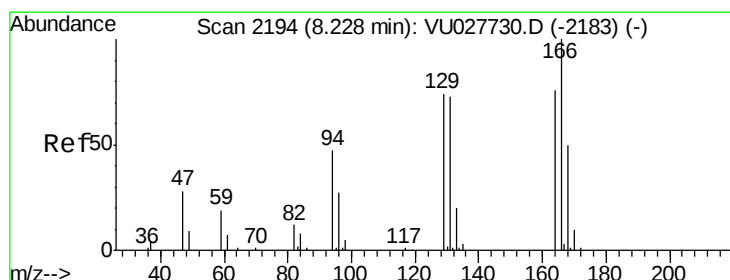
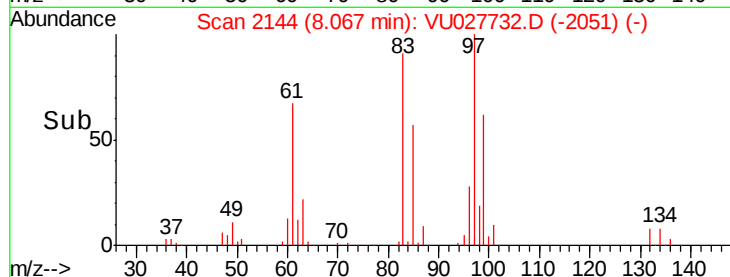
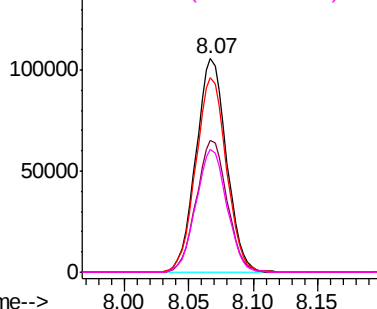


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 208.090 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Tgt Ion: 164 Resp: 140653

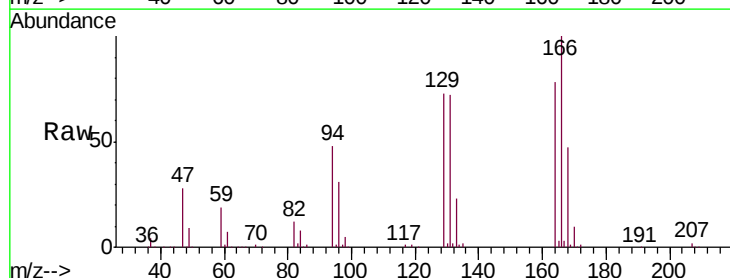
Ion Ratio Lower Upper

164 100

129 93.4 68.5 127.3

131 91.9 67.1 124.5

166 127.9 92.2 171.2

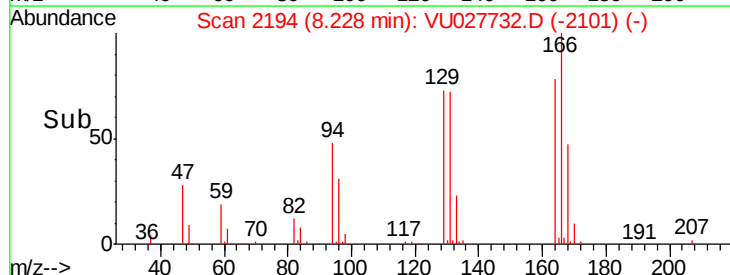
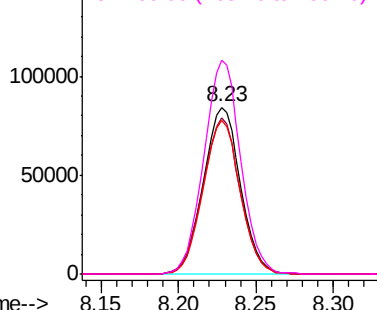


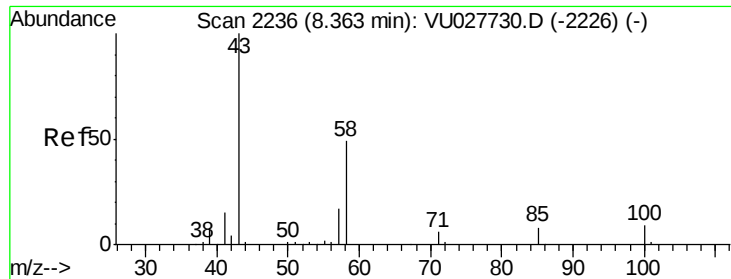
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

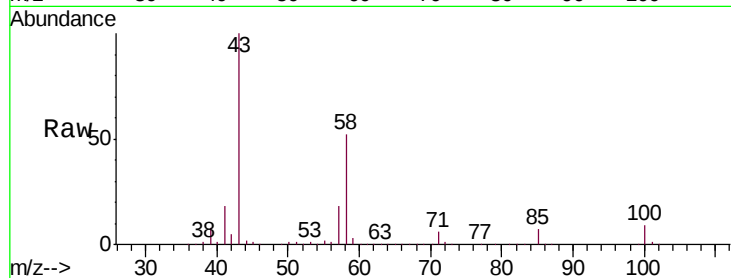




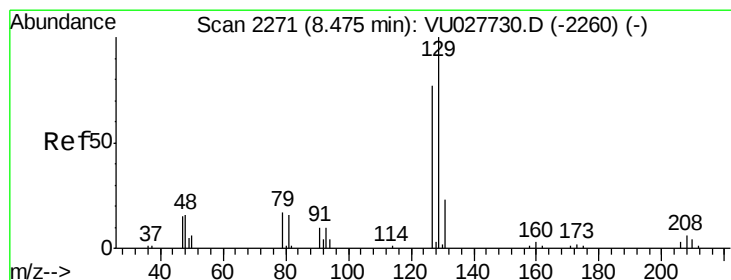
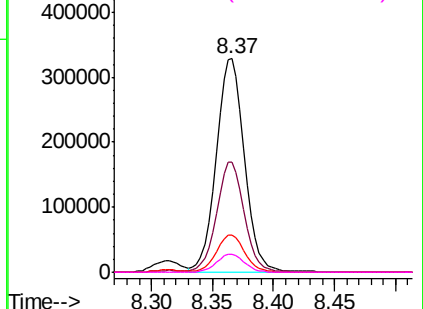
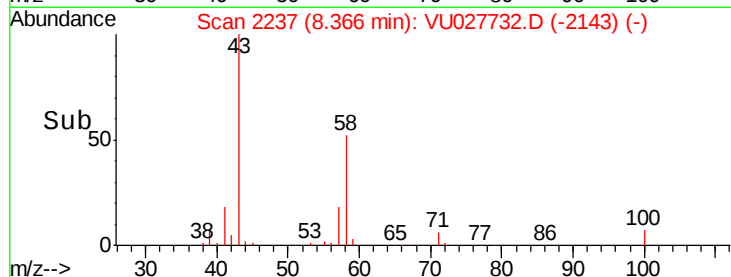
#48
2-Hexanone
Concen: 413.597 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD20056

Tgt Ion:	43	Resp:	532507
Ion	Ratio	Lower	Upper
43	100		
58	50.9	38.8	58.2
57	17.5	13.1	19.7
100	8.6	6.8	10.2

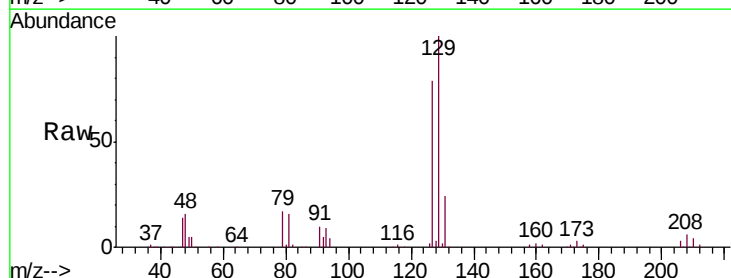


Abundance Ion 43.00 (42.70 to 43.70): VU027732.D (-2143) (-)
Ion 58.00 (57.70 to 58.70): VU027732.D (-2143) (-)
Ion 57.00 (56.70 to 57.70): VU027732.D (-2143) (-)
Ion 100.00 (99.70 to 100.70): VU027732.D (-2143) (-)

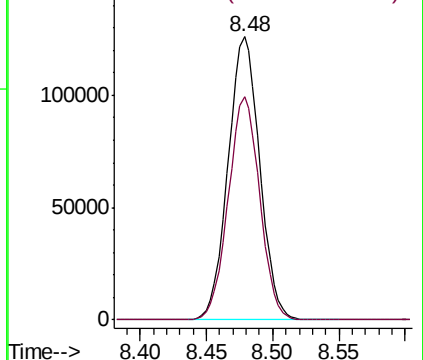
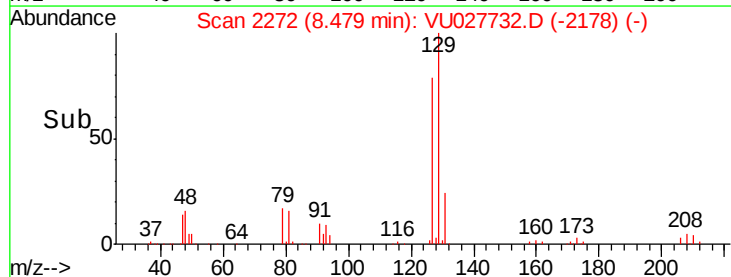


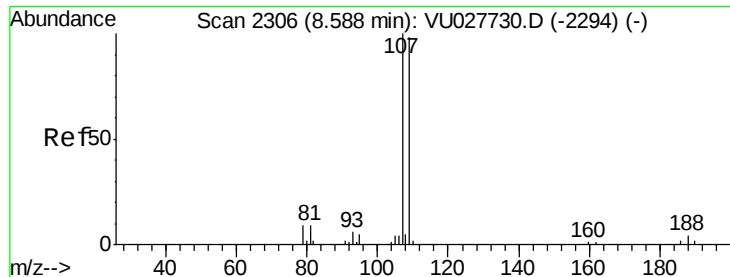
#49
Dibromochloromethane
Concen: 207.160 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

Tgt Ion:	129	Resp:	209449
Ion	Ratio	Lower	Upper
129	100		
127	78.7	54.1	100.5



Abundance Ion 129.00 (128.70 to 129.70): VU027732.D (-2178) (-)
Ion 127.00 (126.70 to 127.70): VU027732.D (-2178) (-)

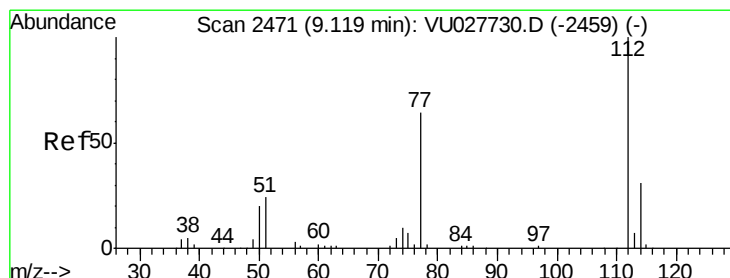
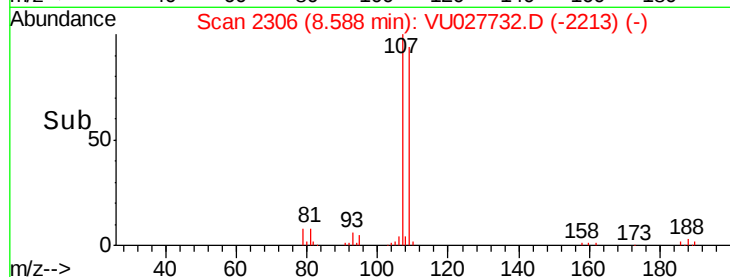
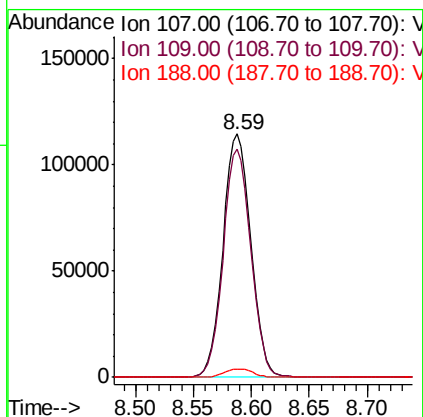
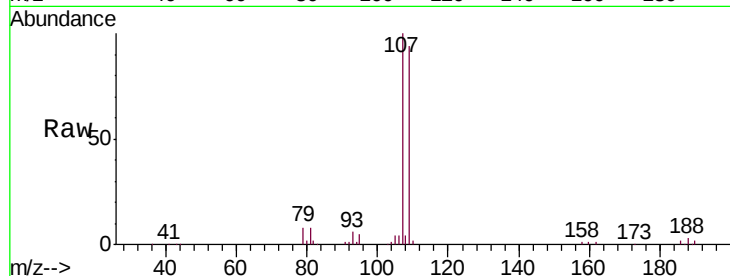




#50
1,2-Dibromoethane
Concen: 209.771 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

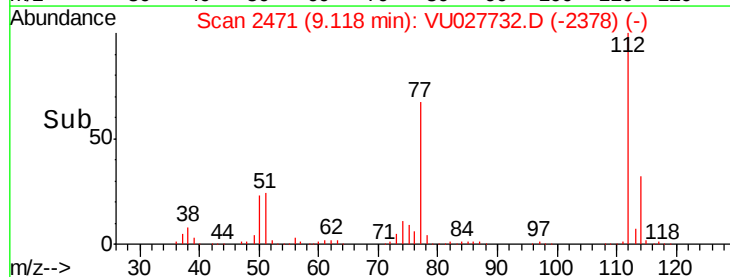
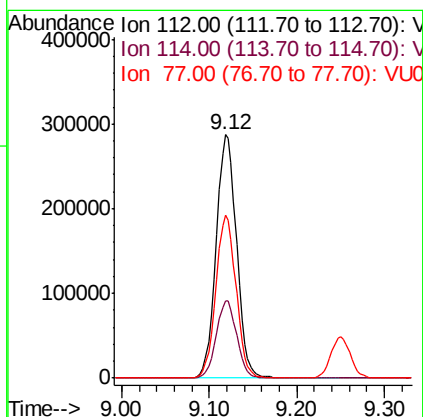
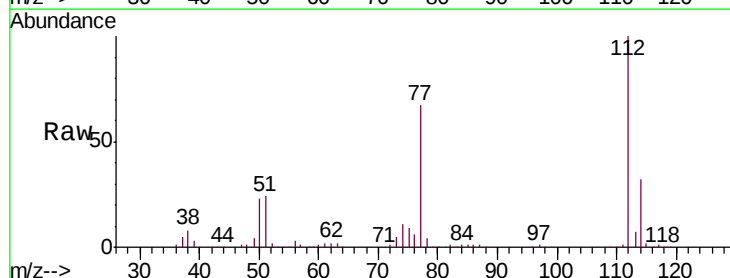
Instrument :
MSVOA_U
ClientSampleId :
VSTD20056

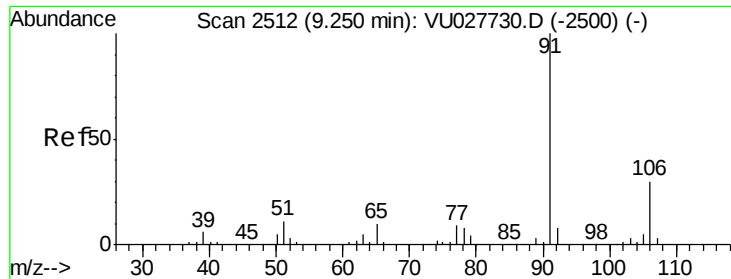
Tgt Ion:107 Resp: 191037
Ion Ratio Lower Upper
107 100
109 94.0 68.4 127.0
188 3.5 3.3 4.9



#51
Chlorobenzene
Concen: 207.299 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

Tgt Ion:112 Resp: 465330
Ion Ratio Lower Upper
112 100
114 31.9 21.9 40.7
77 67.0 52.2 78.2





#52

Ethylbenzene

Concen: 209.113 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

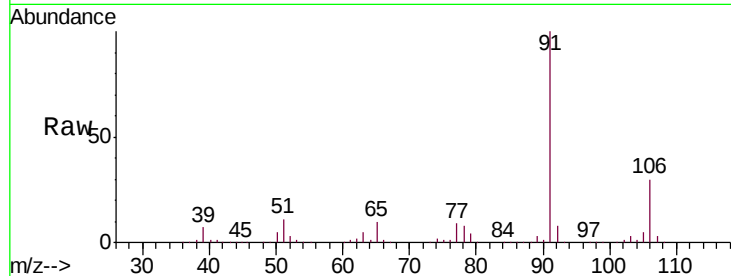
VSTD20056

Tgt Ion: 91 Resp: 866073

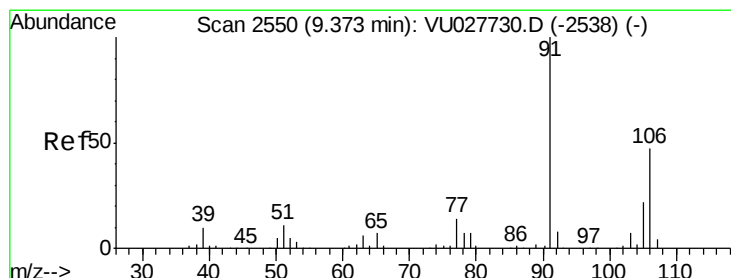
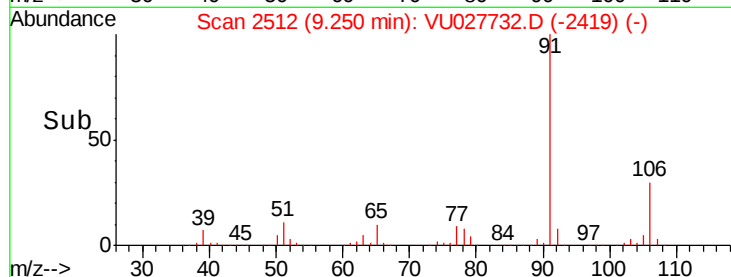
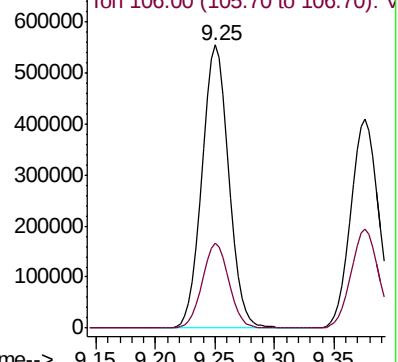
Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU027730.D (-2500) (-)



#53

m,p-Xylene

Concen: 210.035 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027732.D

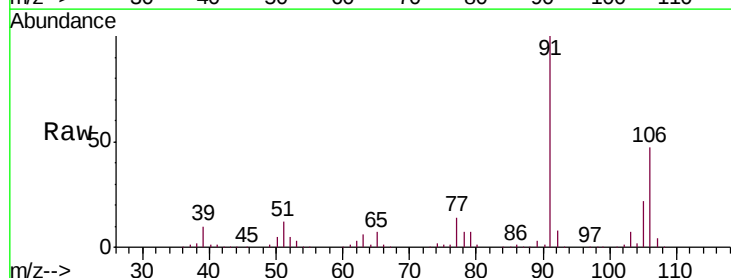
Acq: 22 Oct 2018 10:14

Tgt Ion: 106 Resp: 314248

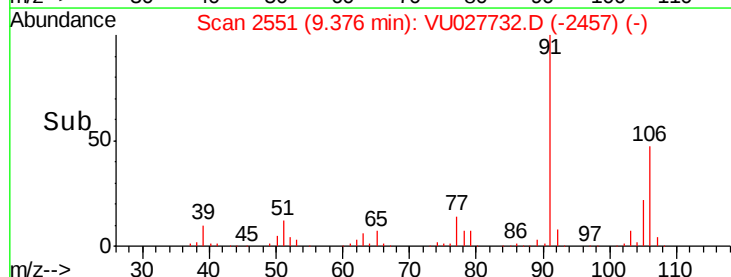
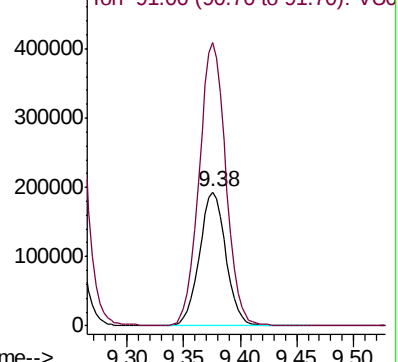
Ion Ratio Lower Upper

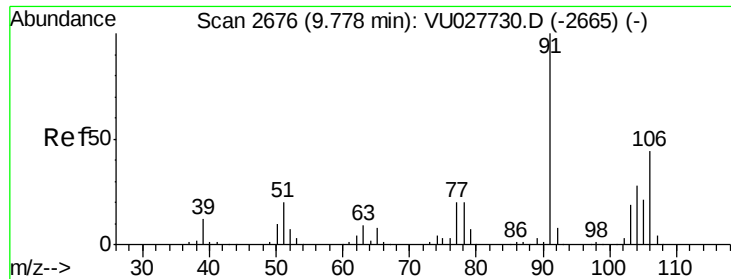
106 100

91 211.1 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VU027730.D (-2538) (-)

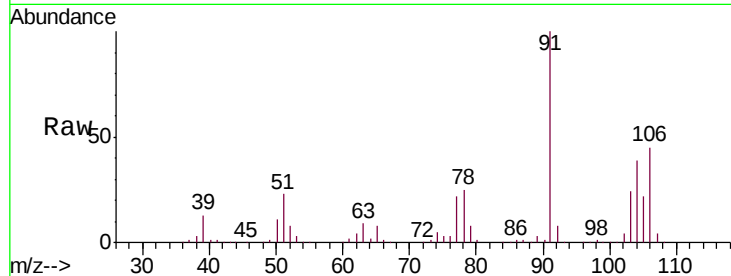




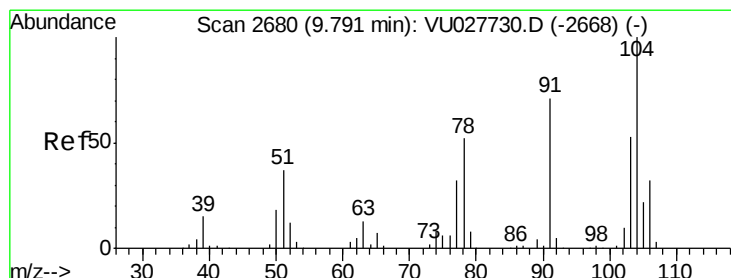
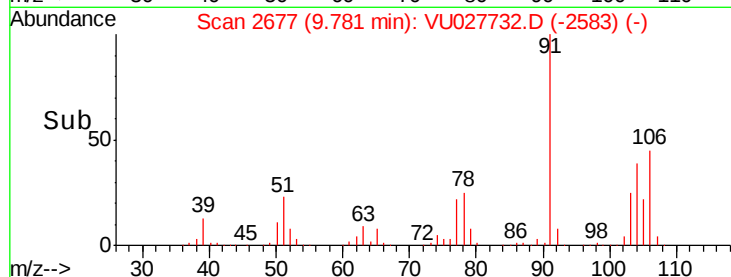
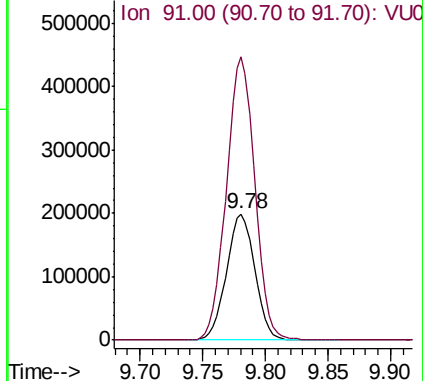
#54
o-xylene
Concen: 209.373 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD20056

Tgt Ion:106 Resp: 312258
Ion Ratio Lower Upper
106 100
91 224.6 159.4 296.0

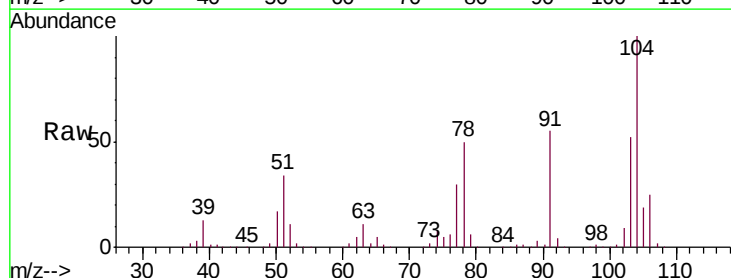


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

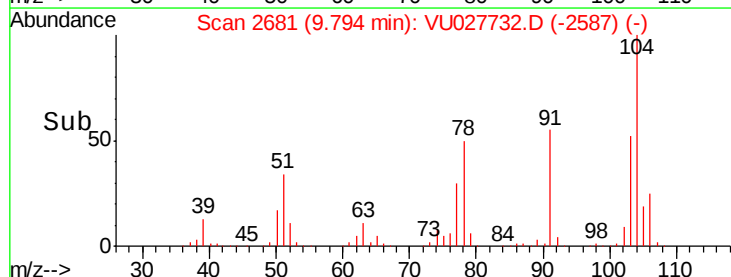
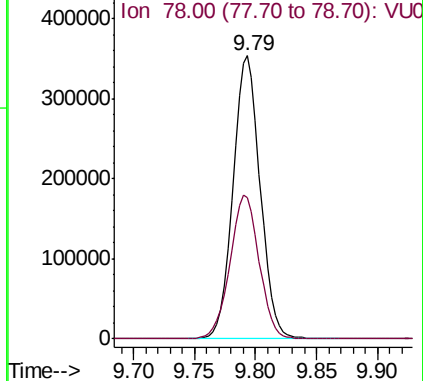


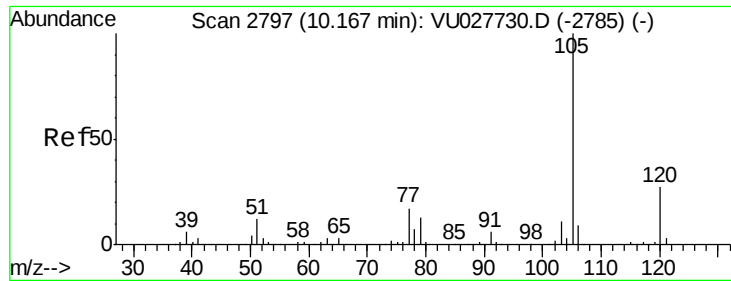
#55
Styrene
Concen: 215.170 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027732.D
Acq: 22 Oct 2018 10:14

Tgt Ion:104 Resp: 546219
Ion Ratio Lower Upper
104 100
78 50.1 36.5 67.9



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





#56

Isopropylbenzene

Concen: 212.912 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD20056

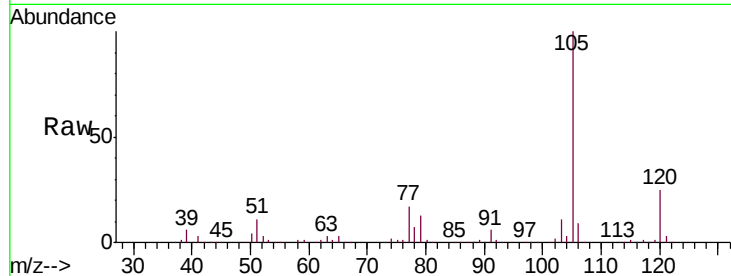
Tgt Ion:105 Resp: 840940

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.6

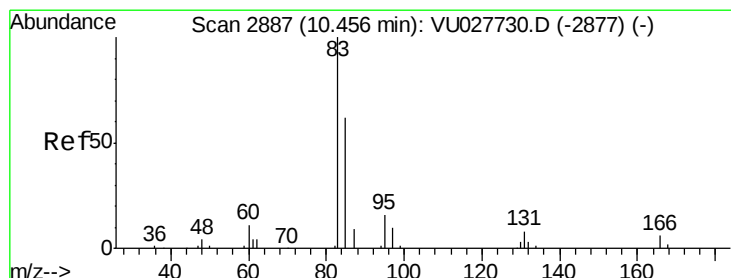
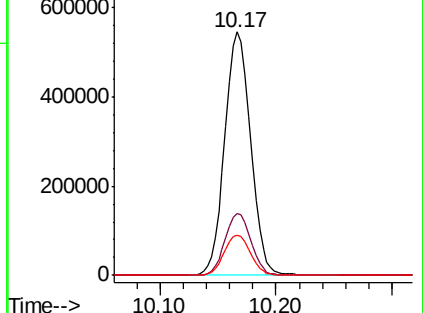
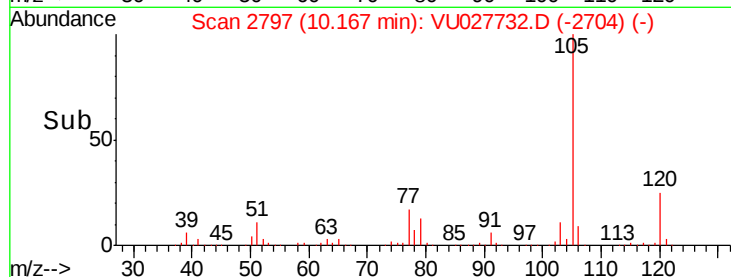
77 16.8 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 210.168 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

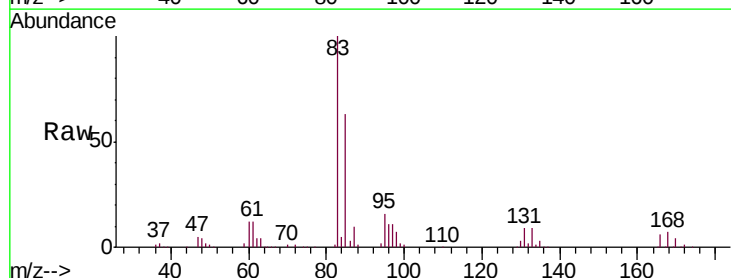
Tgt Ion: 83 Resp: 318889

Ion Ratio Lower Upper

83 100

85 63.5 44.6 82.8

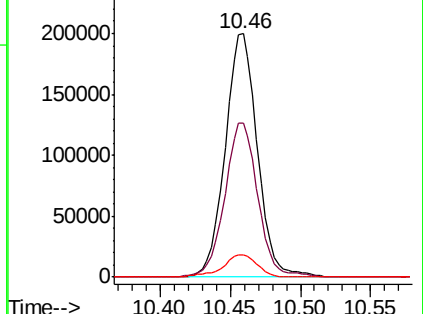
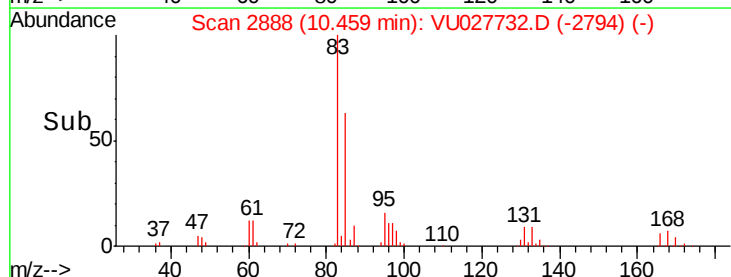
131 9.3 6.9 10.3

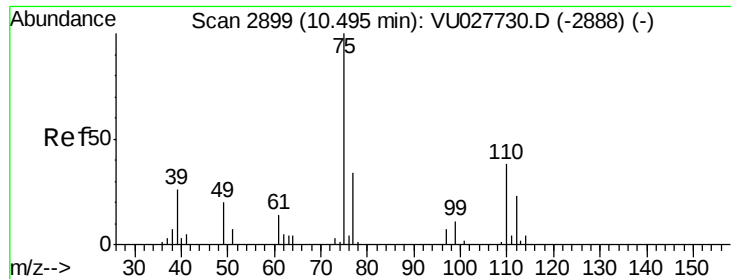


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

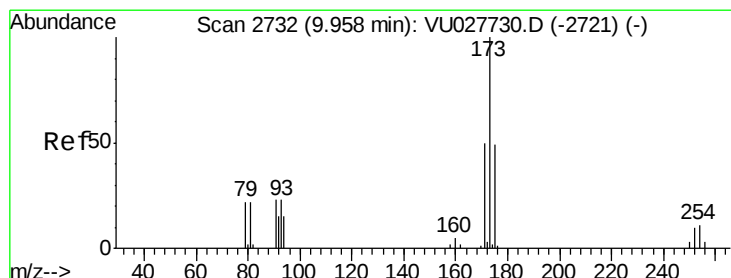
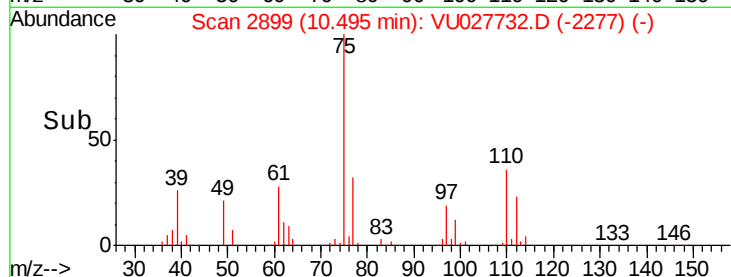
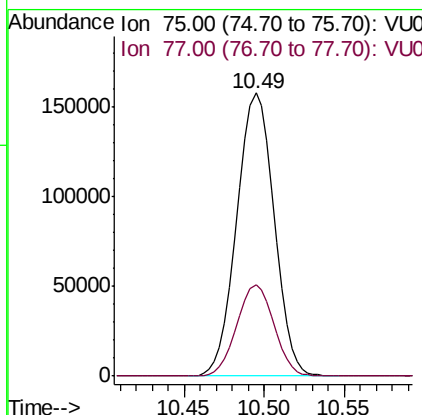
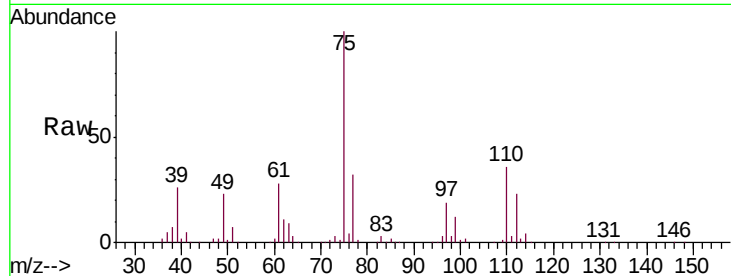




#59
 1,2,3-Trichloropropane
 Concen: 205.810 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027732.D
 Acq: 22 Oct 2018 10:14

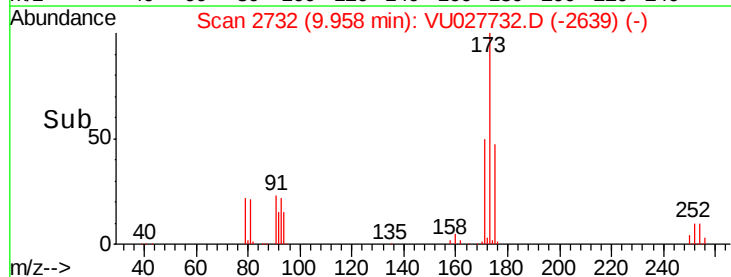
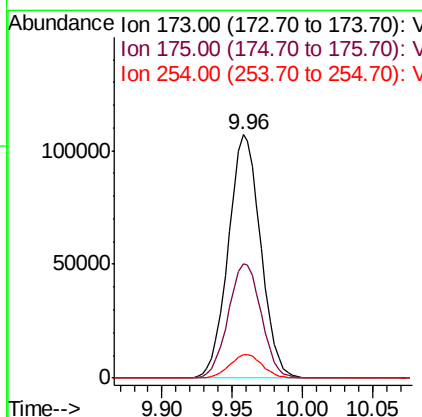
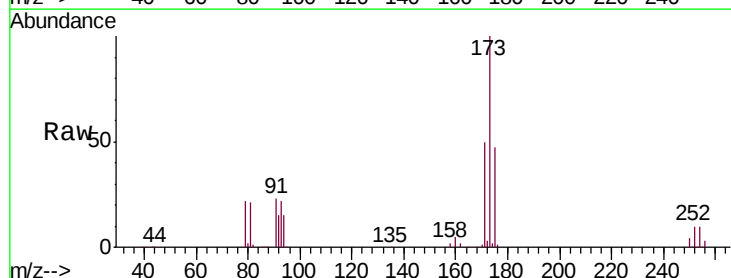
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20056

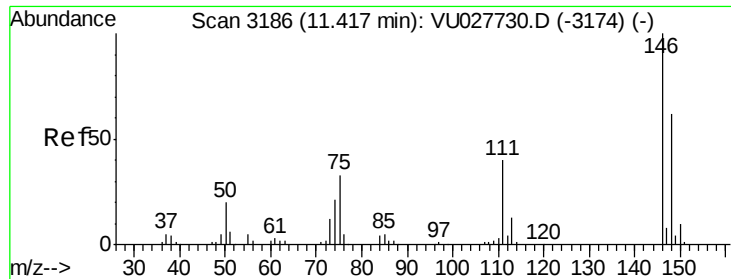
Tgt Ion: 75 Resp: 251255
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.5 39.7



#61
 Bromoform
 Concen: 207.696 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU027732.D
 Acq: 22 Oct 2018 10:14

Tgt Ion: 173 Resp: 171650
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.6 58.0
 254 9.8 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 209.201 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD20056

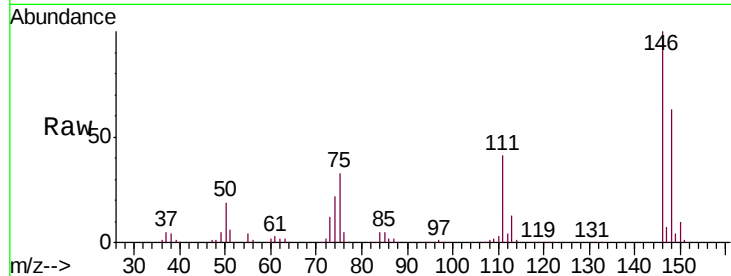
Tgt Ion:146 Resp: 388905

Ion Ratio Lower Upper

146 100

111 41.0 28.1 52.3

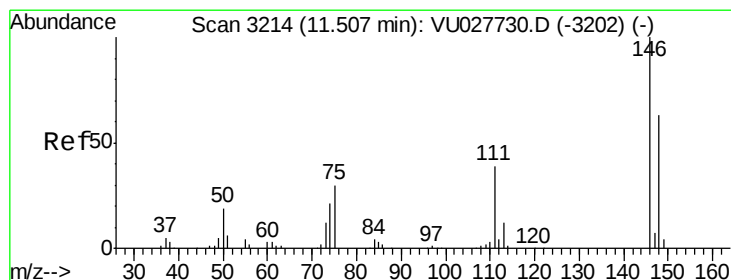
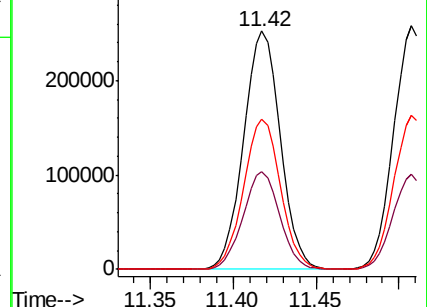
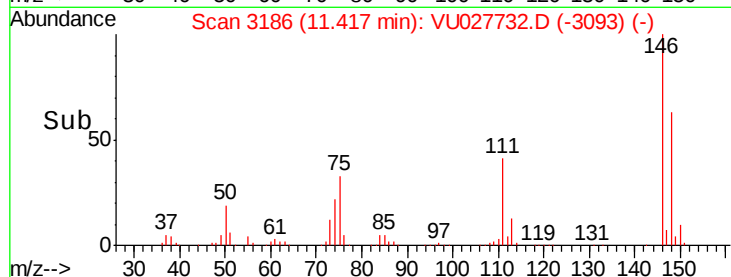
148 63.4 43.7 81.1



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: 205.654 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027732.D

Acq: 22 Oct 2018 10:14

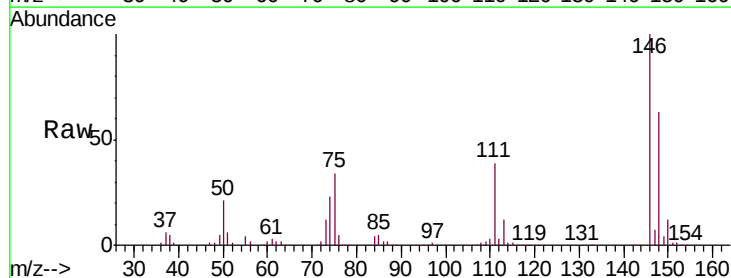
Tgt Ion:146 Resp: 389833

Ion Ratio Lower Upper

146 100

111 38.8 27.5 51.1

148 63.2 44.1 81.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

