

Data File : VU026821.D
Acq On : 17 Sep 2018 13:37
Operator : MD/SY
Sample : VSTD05051
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Sep 18 00:58:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 00:50:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	259174	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	249710	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	128482	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	96460	50.31	ug/L	0.00
7) Chloroethane-d5	1.68	69	83287	50.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	181817	50.12	ug/L	0.00
21) 2-Butanone-d5	4.18	46	130237	102.36	ug/L	0.00
24) Chloroform-d	4.65	84	182856	51.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	113268	50.58	ug/L	0.00
32) Benzene-d6	5.34	84	370667	52.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	116481	51.66	ug/L	0.00
41) Toluene-d8	7.57	98	344073	54.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	52490	52.14	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	97054	109.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	162394	51.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	135446	50.68	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	120188	49.068	ug/L	100
3) Chloromethane	1.33	50	123252	49.331	ug/L	100
5) Vinyl chloride	1.40	62	120568	49.586	ug/L	100
6) Bromomethane	1.62	94	57960	48.262	ug/L	100
8) Chloroethane	1.70	64	75534	49.572	ug/L	100
9) Trichlorofluoromethane	1.88	101	150085	49.680	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	89129	49.805	ug/L	100
12) 1,1-Dichloroethene	2.28	96	83779	49.847	ug/L	100
13) Acetone	2.32	43	124524	99.578	ug/L	100
14) Carbon disulfide	2.48	76	283088	48.809	ug/L	100
15) Methyl Acetate	2.62	43	106873	49.326	ug/L	100
16) Methylene chloride	2.70	84	105027	49.157	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	90319	48.793	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	272735	50.384	ug/L	100
19) 1,1-Dichloroethane	3.45	63	177227	49.640	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	101771	49.989	ug/L	100
22) 2-Butanone	4.26	43	159329	103.317	ug/L	100
23) Bromochloromethane	4.55	128	53701	48.853	ug/L	100
25) Chloroform	4.67	83	179718	49.699	ug/L	100
27) 1,2-Dichloroethane	5.40	62	141857	50.271	ug/L	100
29) Cyclohexane	5.00	56	152148	52.477	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	149666	50.380	ug/L	100
31) Carbon tetrachloride	5.14	117	133877	50.289	ug/L	100
33) Benzene	5.39	78	399655	51.622	ug/L	100
34) Trichloroethene	6.19	95	91538	49.273	ug/L	100
35) Methylcyclohexane	6.42	83	160520	53.006	ug/L	100
37) 1,2-Dichloropropane	6.43	63	109367	51.425	ug/L	100
38) Bromodichloromethane	6.76	83	133643	50.672	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	154393	51.393	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	268148	106.113	ug/L	100

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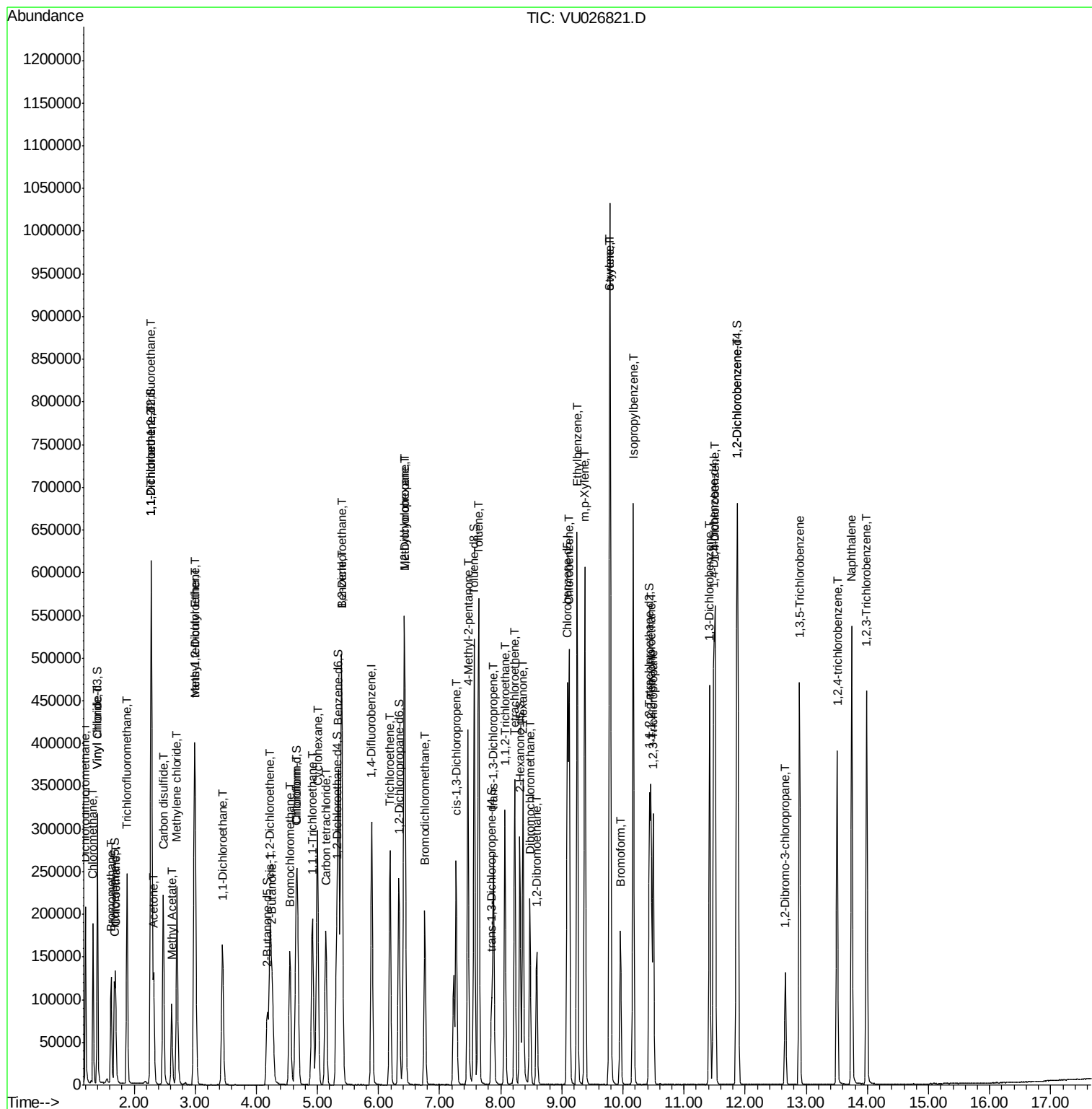
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	412452	52.645	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	144613	51.411	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	98470	50.786	ug/L	100
46) Tetrachloroethene	8.23	164	83372	50.624	ug/L	100
48) 2-Hexanone	8.36	43	219450	107.660	ug/L	100
49) Dibromochloromethane	8.48	129	110200	50.209	ug/L	100
50) 1,2-Dibromoethane	8.59	107	101867	50.395	ug/L	100
51) Chlorobenzene	9.12	112	265915	50.021	ug/L	100
52) Ethylbenzene	9.25	91	432284	52.674	ug/L	100
53) m,p-Xylene	9.38	106	170748	54.121	ug/L	100
54) o-xylene	9.78	106	167194	54.390	ug/L	100
55) Styrene	9.79	104	296798	55.924	ug/L	100
56) Isopropylbenzene	10.17	105	423865	53.981	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	163244	50.056	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	128570	50.470	ug/L	100
61) Bromoform	9.96	173	81621	48.309	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	192961	49.266	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	208023	48.233	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	218669	50.421	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	32072	48.746	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	151741	50.065	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	127035	48.638	ug/L	100
69) Naphthalene	13.74	128	418316	54.365	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	151329	52.614	ug/L	100

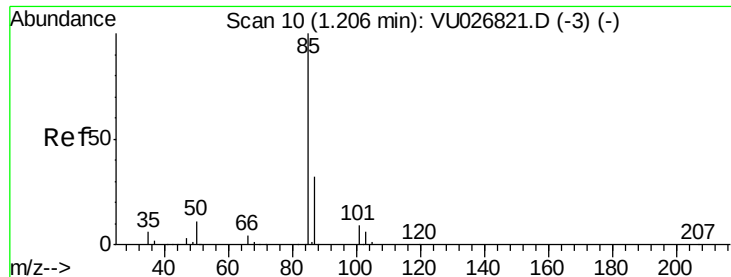
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.068 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

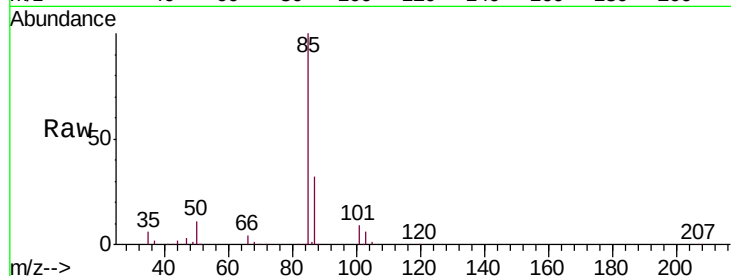
VSTD05051

Tgt Ion: 85 Resp: 120188

Ion Ratio Lower Upper

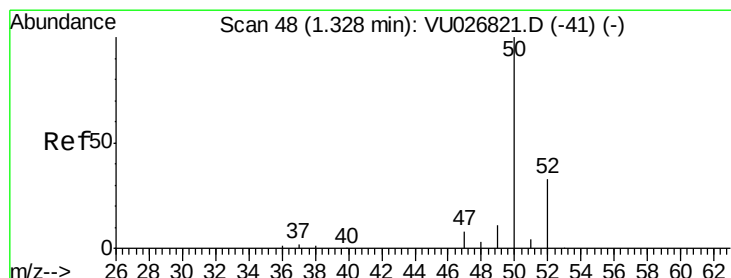
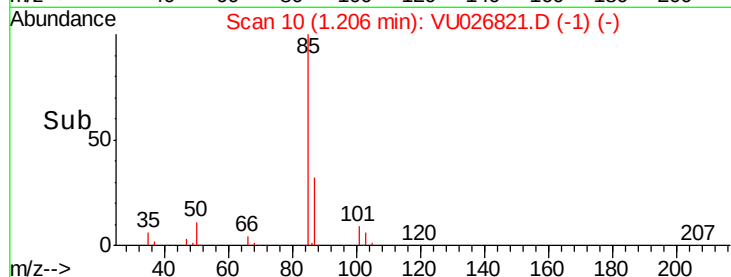
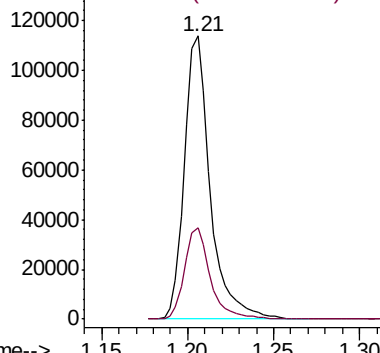
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 49.331 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026821.D

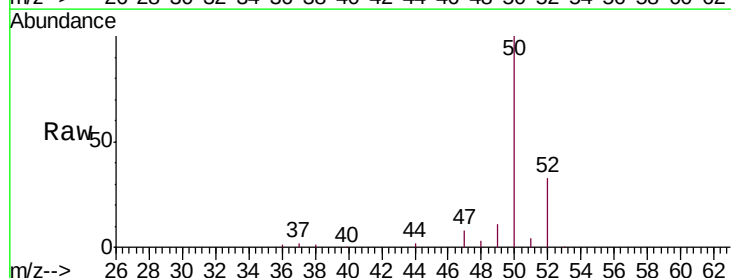
Acq: 17 Sep 2018 13:37

Tgt Ion: 50 Resp: 123252

Ion Ratio Lower Upper

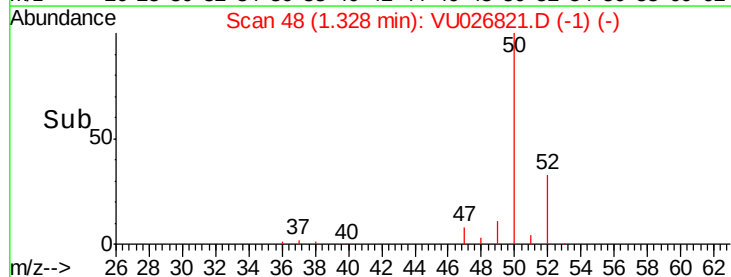
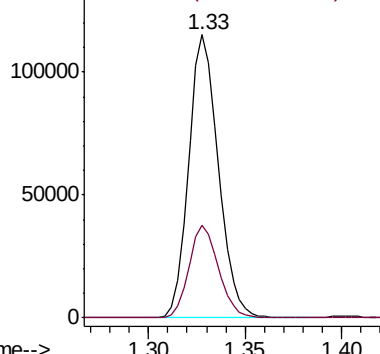
50 100

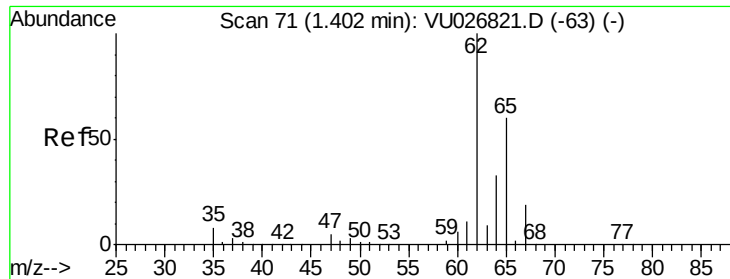
52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.586 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

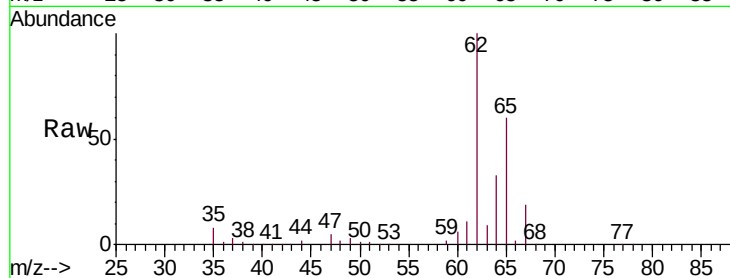
VSTD05051

Tgt Ion: 62 Resp: 120568

Ion Ratio Lower Upper

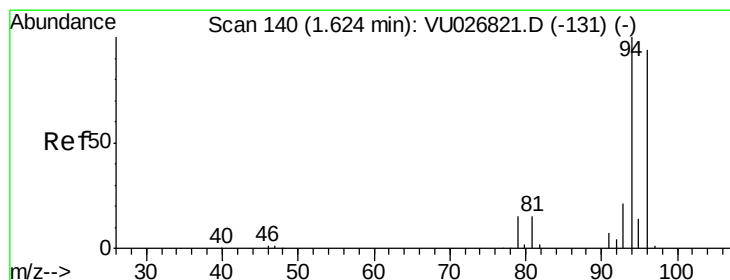
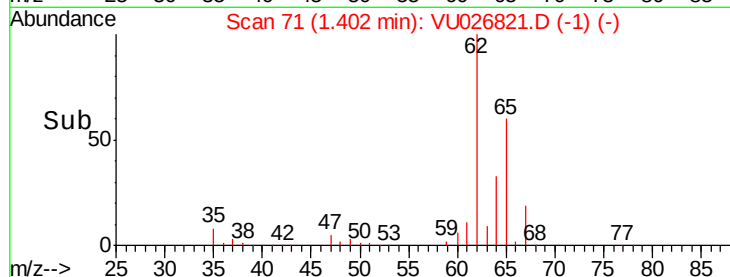
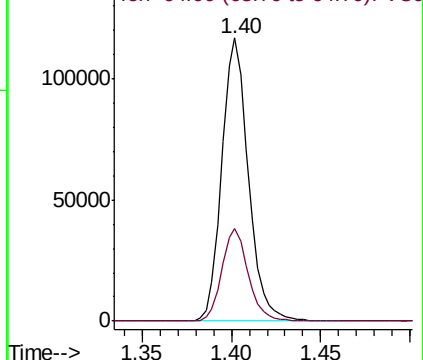
62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 48.262 ug/L

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU026821.D

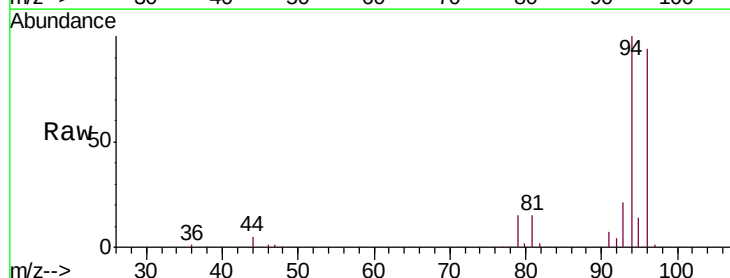
Acq: 17 Sep 2018 13:37

Tgt Ion: 94 Resp: 57960

Ion Ratio Lower Upper

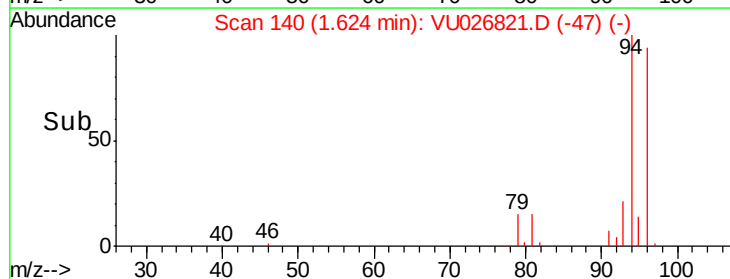
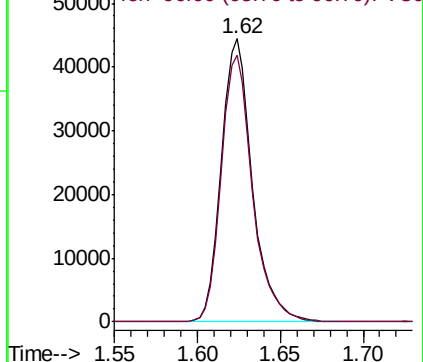
94 100

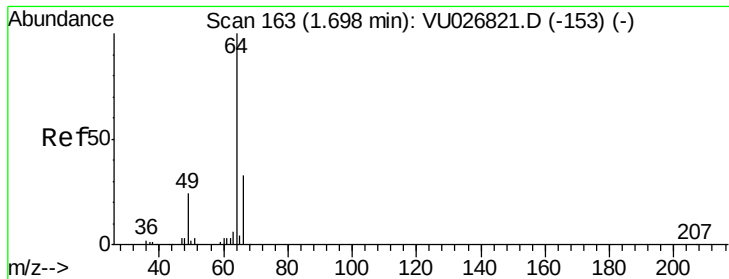
96 94.3 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 49.572 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

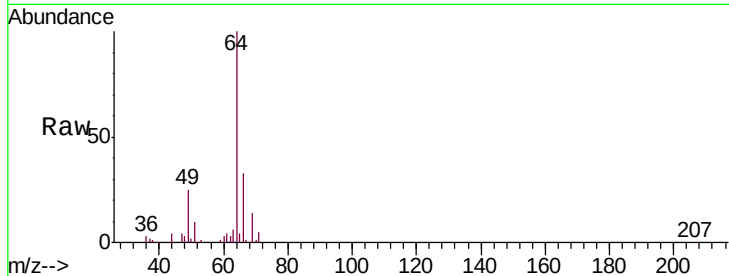
VSTD05051

Tgt Ion: 64 Resp: 75534

Ion Ratio Lower Upper

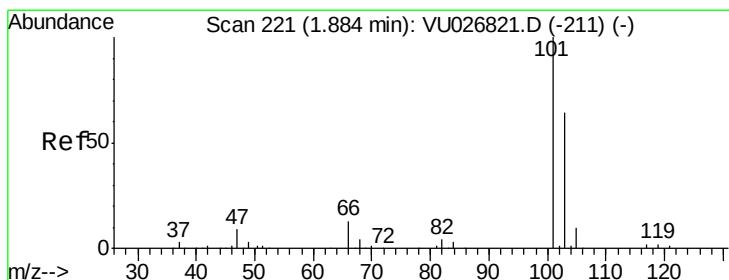
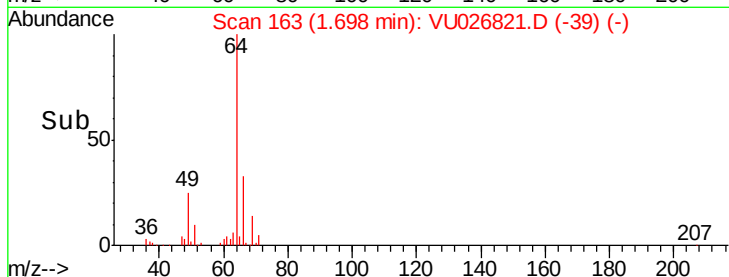
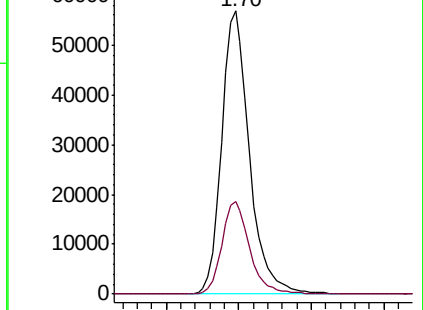
64 100

66 32.9 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU026821.D (-153) (-)

Ion 66.00 (65.70 to 66.70): VU026821.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 49.680 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU026821.D

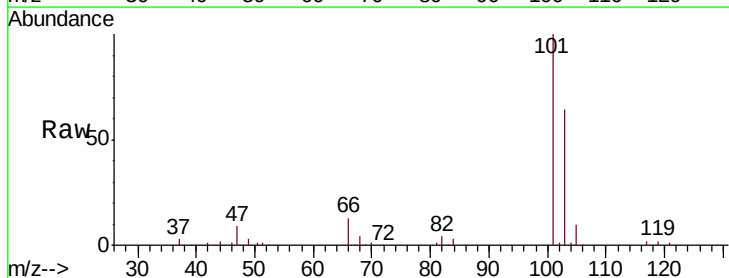
Acq: 17 Sep 2018 13:37

Tgt Ion: 101 Resp: 150085

Ion Ratio Lower Upper

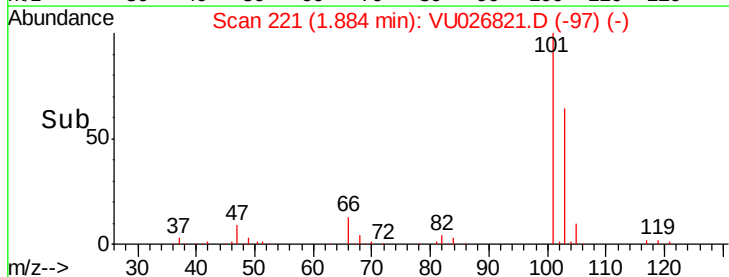
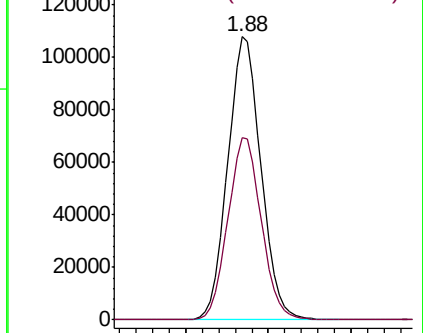
101 100

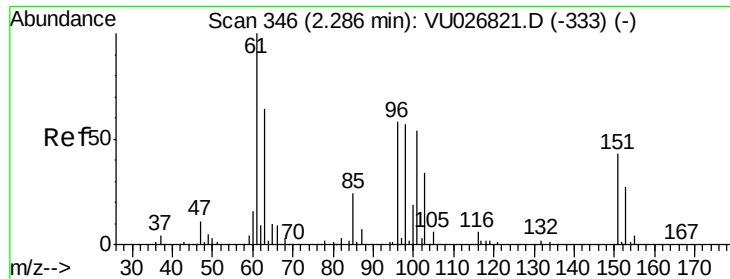
103 64.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU026821.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026821.D (-211) (-)





#10

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

Concen: 49.805 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026821.D

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Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

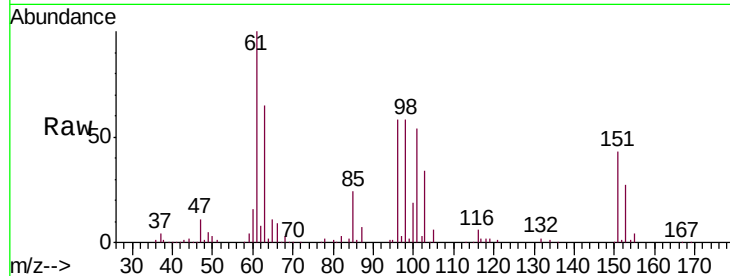
Tgt Ion:101 Resp: 89129

Ion Ratio Lower Upper

101 100

85 43.3 34.6 52.0

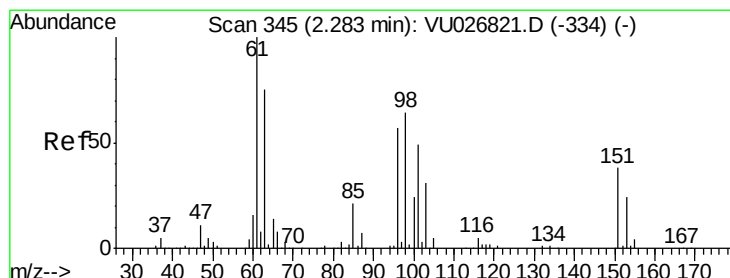
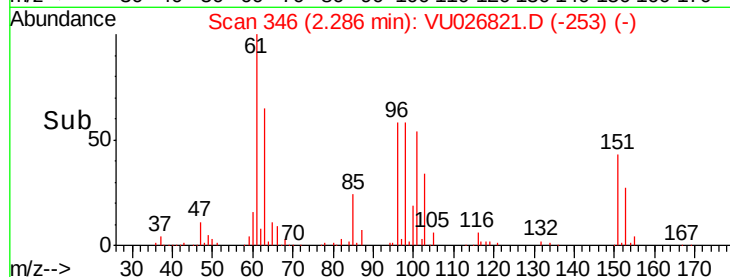
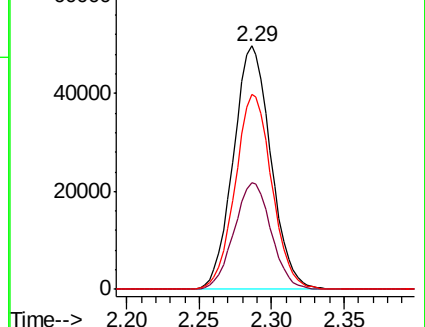
151 78.7 63.0 94.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.847 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

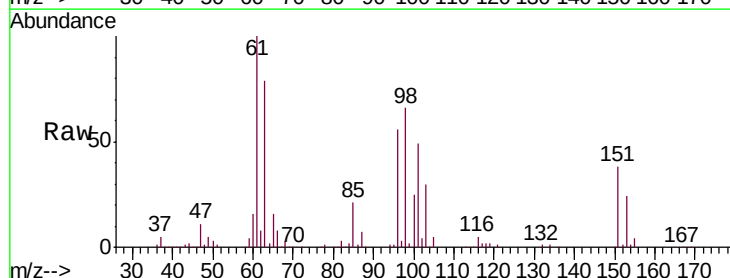
Tgt Ion: 96 Resp: 83779

Ion Ratio Lower Upper

96 100

61 177.2 124.0 230.4

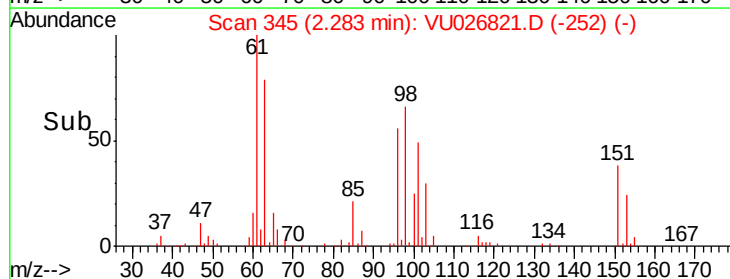
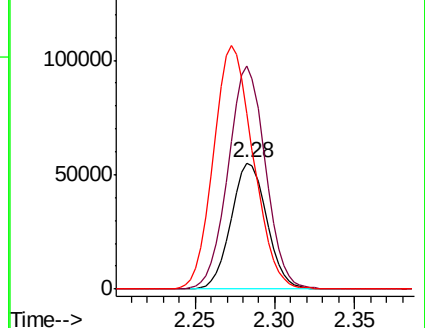
63 139.6 97.7 181.5

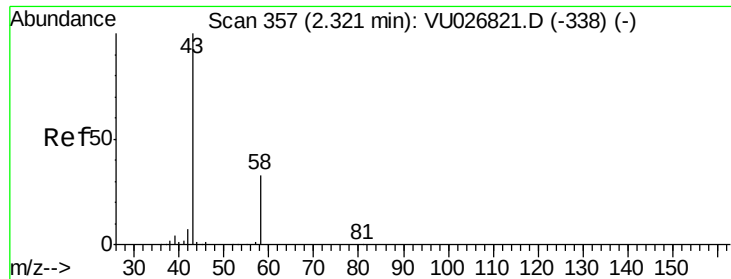


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 99.578 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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ClientSampleId :

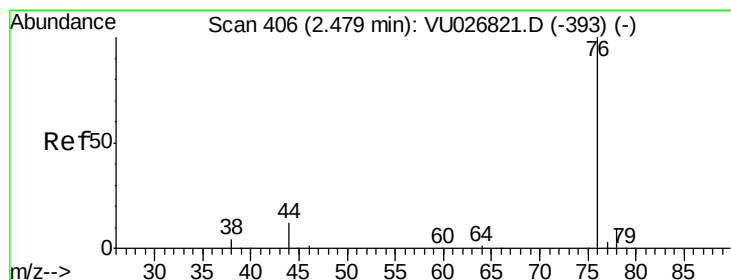
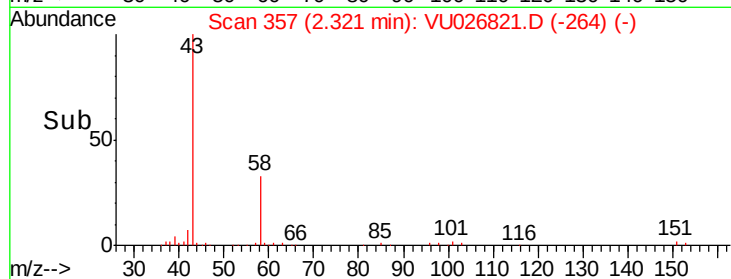
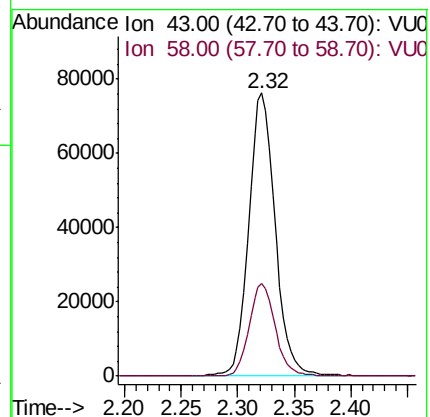
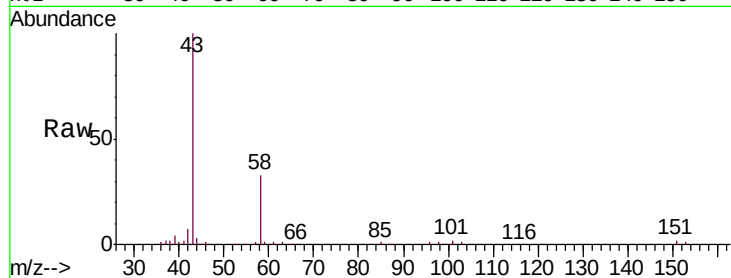
VSTD05051

Tgt Ion: 43 Resp: 124524

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.6



#14

Carbon disulfide

Concen: 48.809 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026821.D

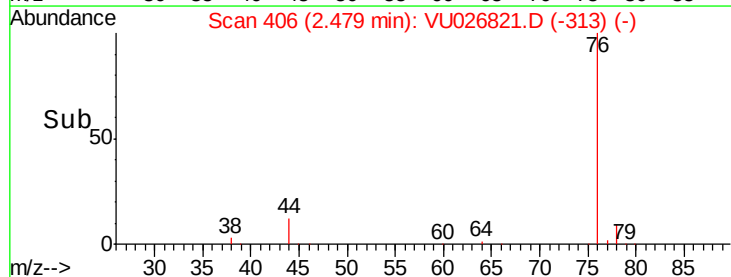
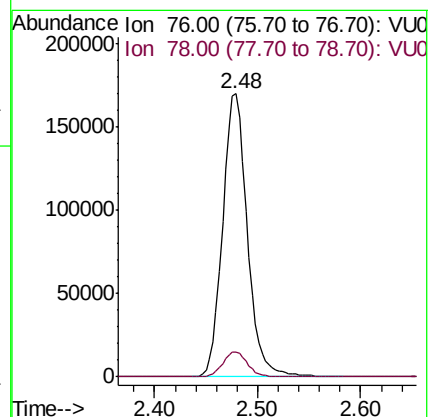
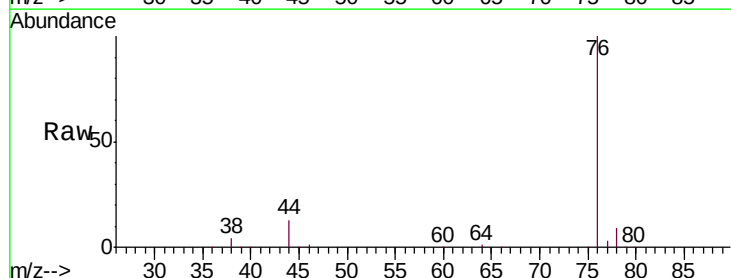
Acq: 17 Sep 2018 13:37

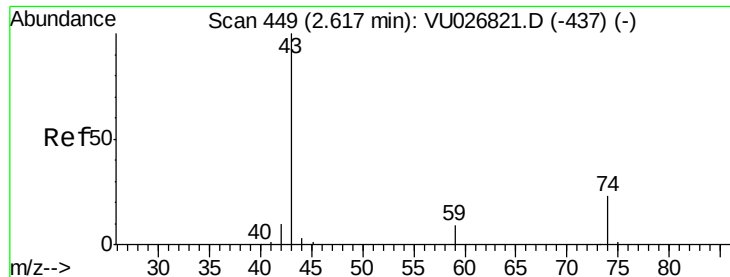
Tgt Ion: 76 Resp: 283088

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

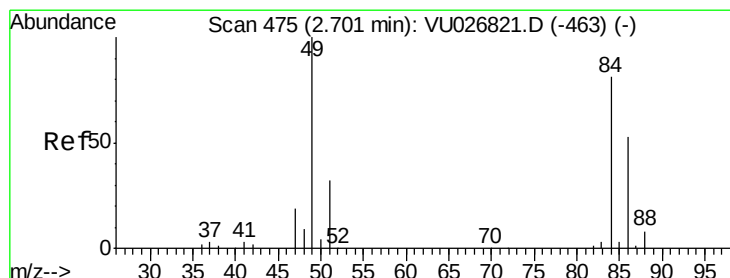
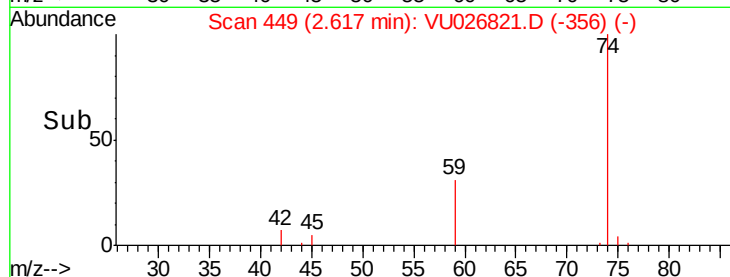
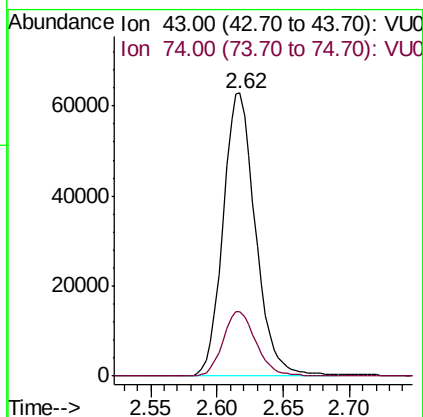
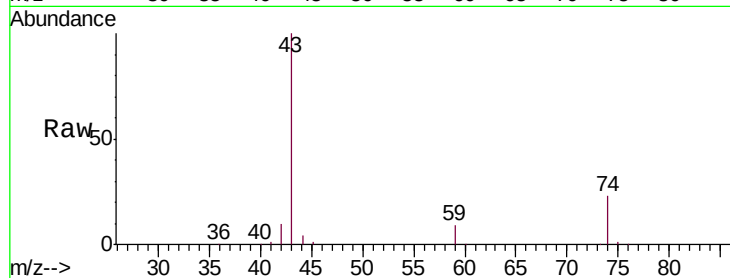




#15
Methyl Acetate
Concen: 49.326 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026821.D
Acq: 17 Sep 2018 13:37

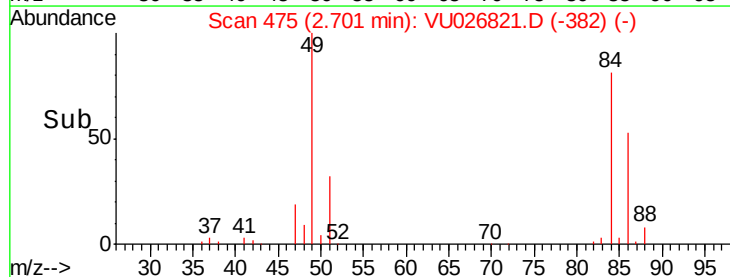
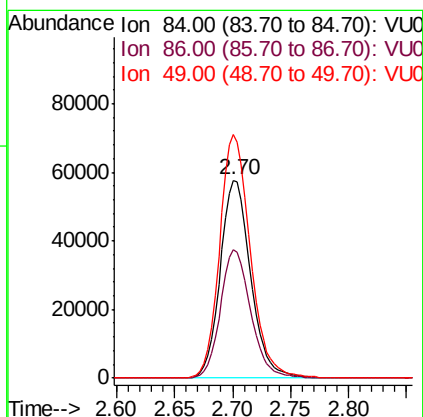
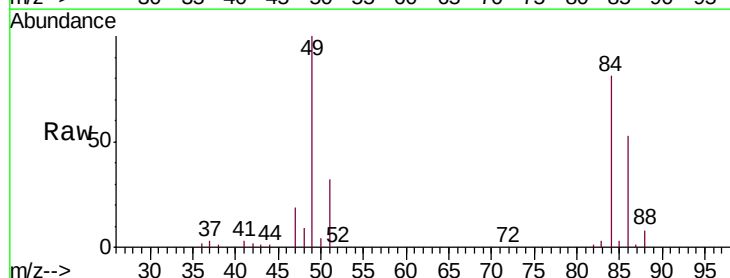
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

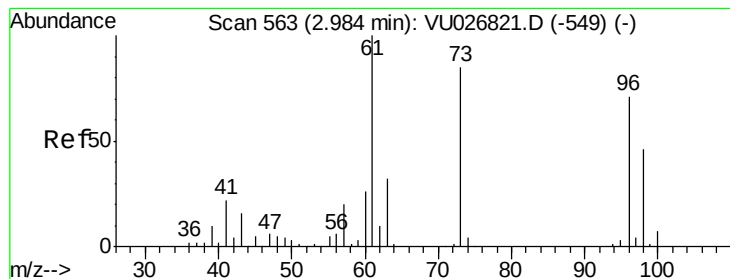
Tgt Ion: 43 Resp: 106873
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1



#16
Methylene chloride
Concen: 49.157 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026821.D
Acq: 17 Sep 2018 13:37

Tgt Ion: 84 Resp: 105027
Ion Ratio Lower Upper
84 100
86 64.7 45.3 84.1
49 123.2 86.2 160.2





#17

trans-1,2-Dichloroethene

Concen: 48.793 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

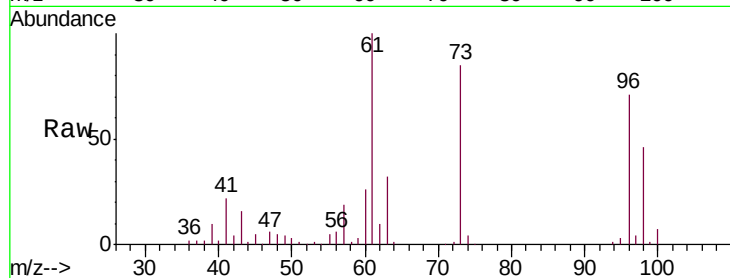
Tgt Ion: 96 Resp: 90319

Ion Ratio Lower Upper

96 100

61 141.0 98.7 183.3

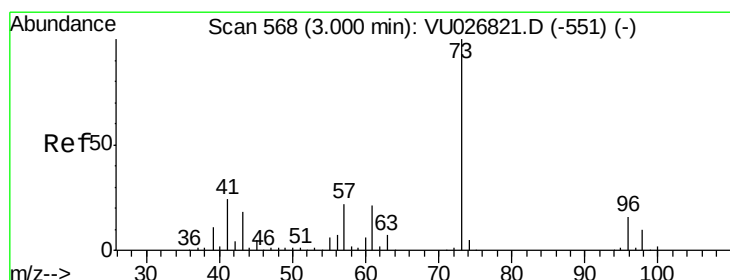
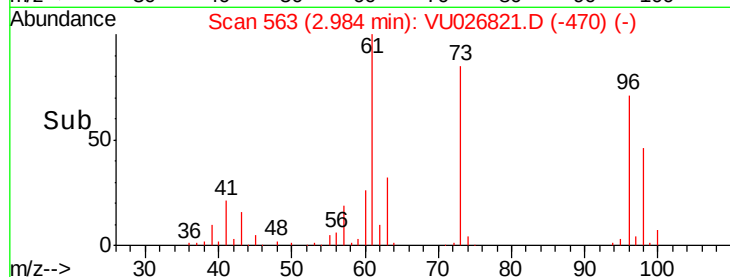
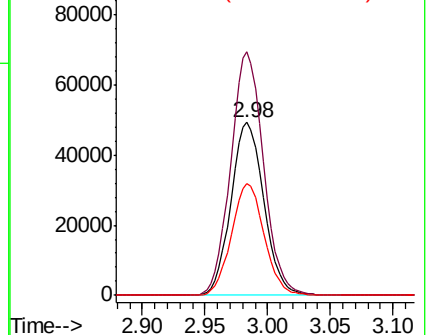
98 64.6 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 50.384 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

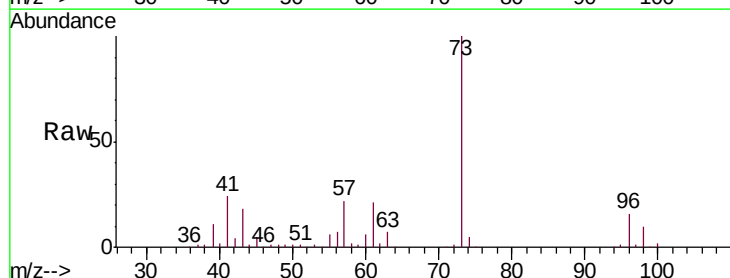
Tgt Ion: 73 Resp: 272735

Ion Ratio Lower Upper

73 100

43 19.1 15.3 22.9

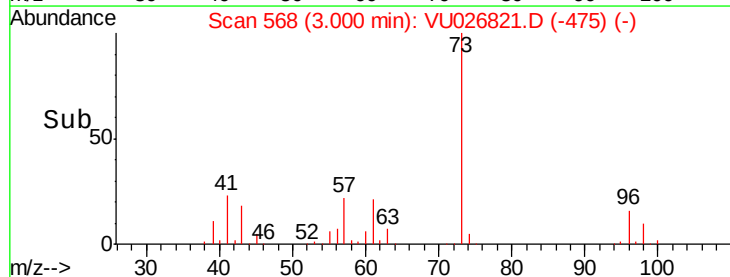
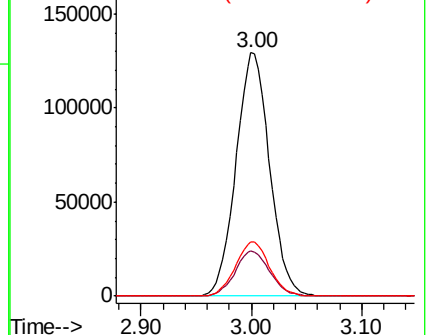
57 22.6 18.1 27.1

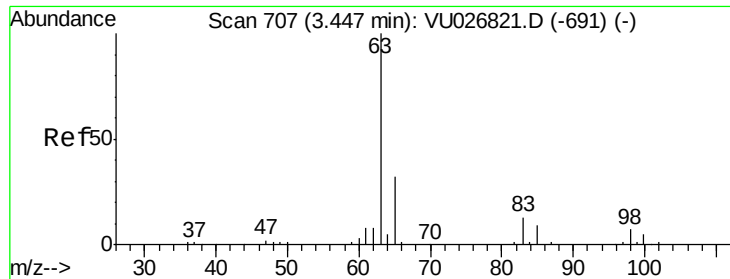


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

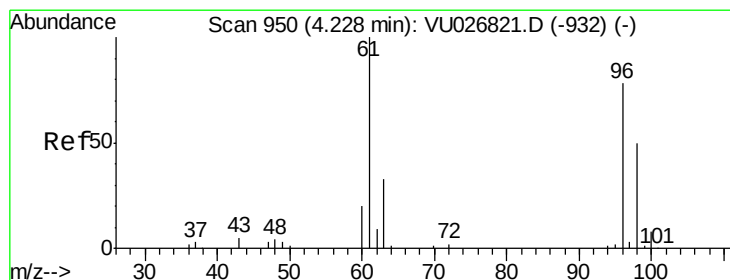
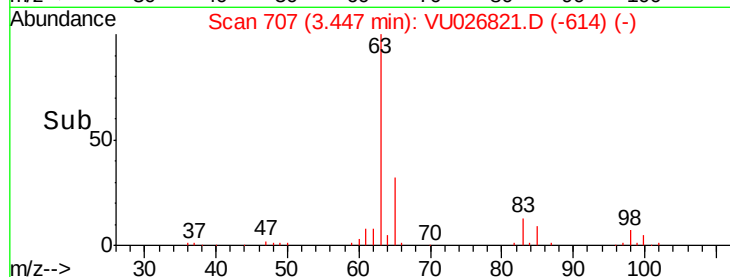
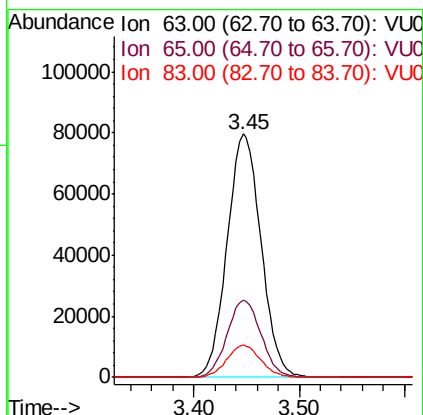
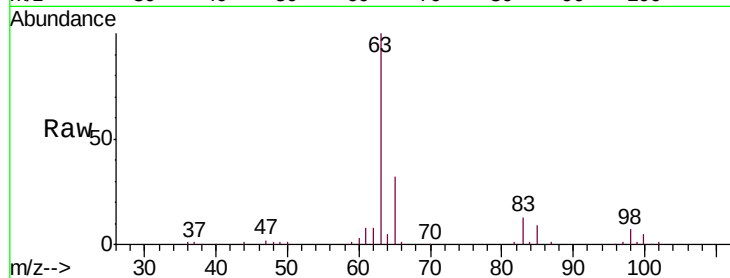




#19
 1,1-Dichloroethane
 Concen: 49.640 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

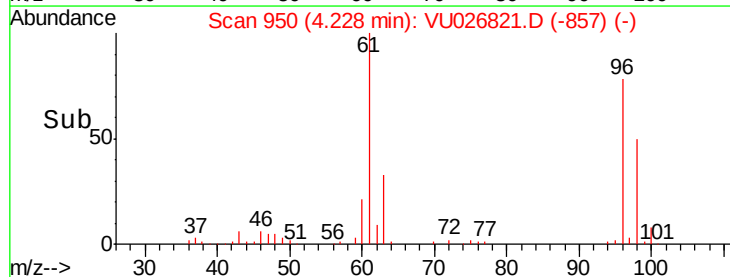
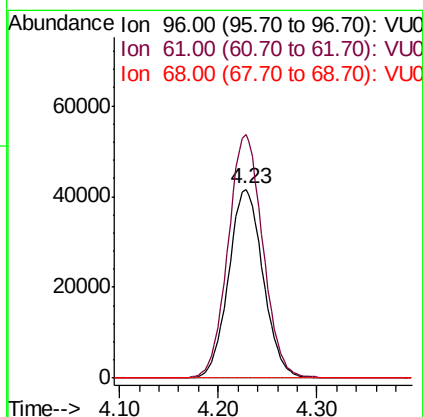
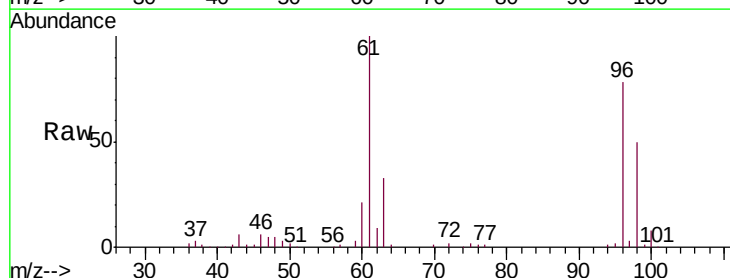
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

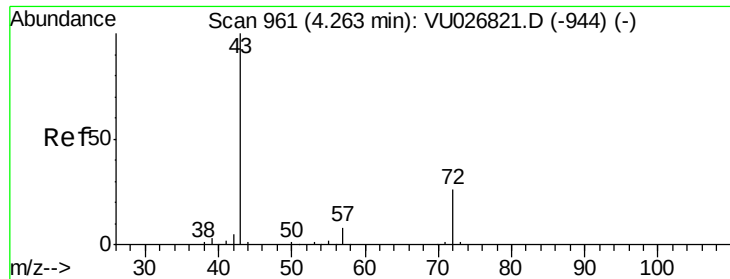
Tgt Ion: 63 Resp: 177227
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 13.3 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.989 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

Tgt Ion: 96 Resp: 101771
 Ion Ratio Lower Upper
 96 100
 61 128.8 90.2 167.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.317 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

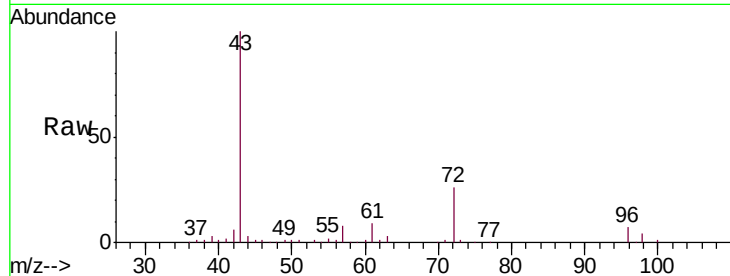
VSTD05051

Tgt Ion: 43 Resp: 159329

Ion Ratio Lower Upper

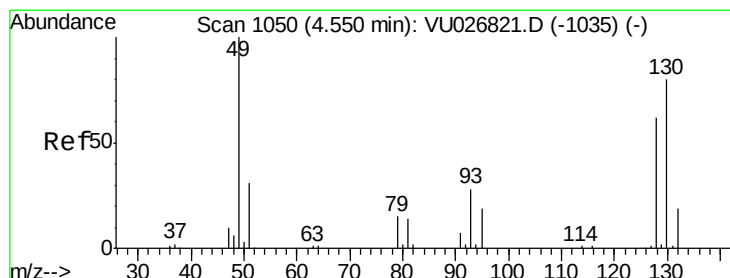
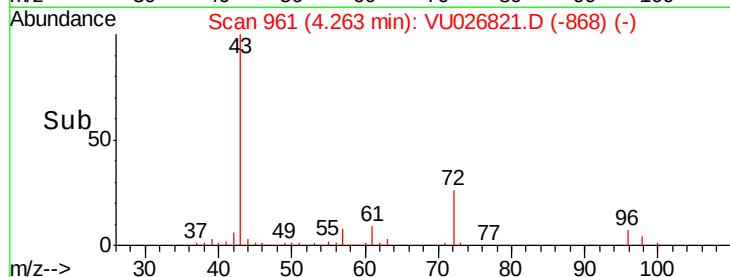
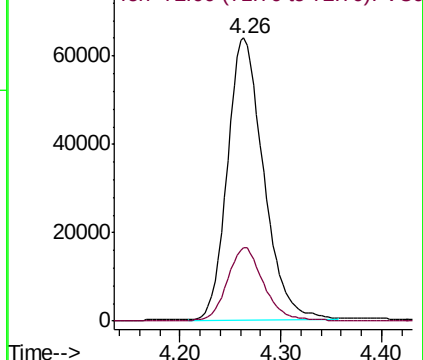
43 100

72 26.6 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 48.853 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Tgt Ion: 128 Resp: 53701

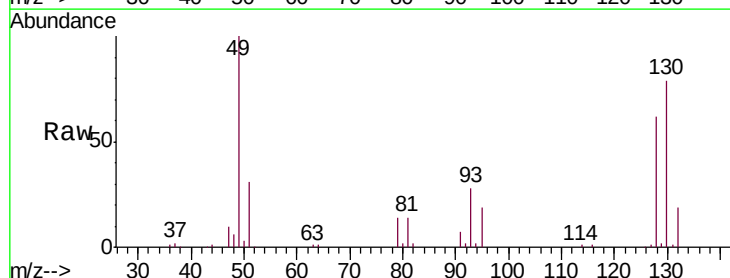
Ion Ratio Lower Upper

128 100

49 161.4 113.0 209.8

130 128.1 89.7 166.5

51 49.6 39.7 59.5

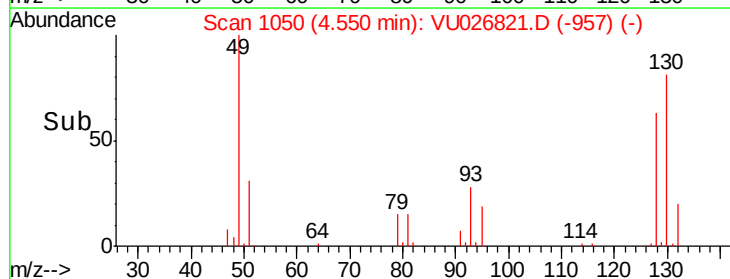
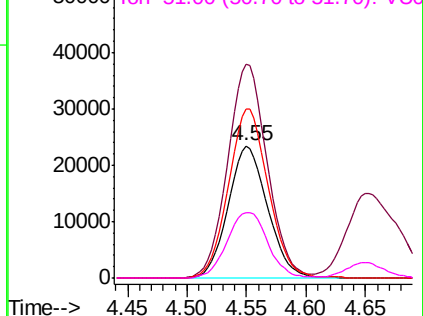


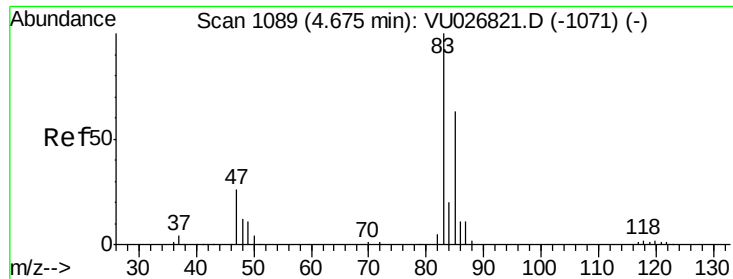
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

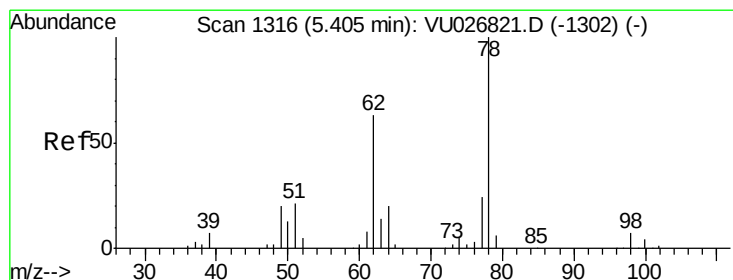
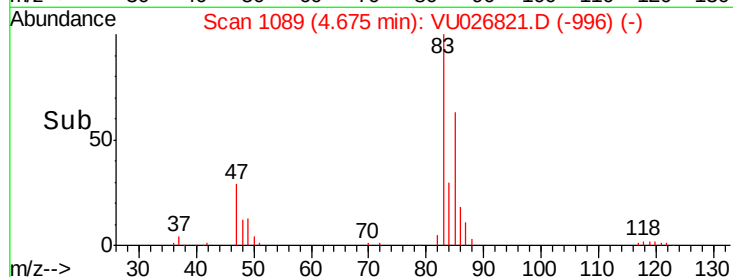
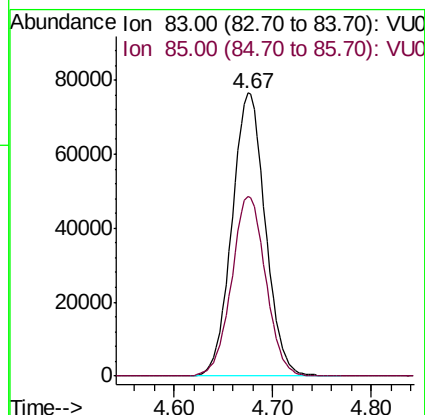
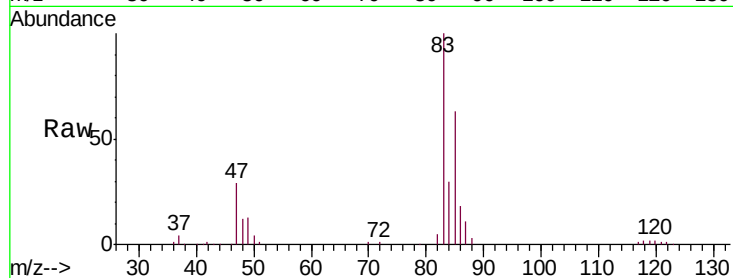




#25
Chloroform
Concen: 49.699 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026821.D
Acq: 17 Sep 2018 13:37

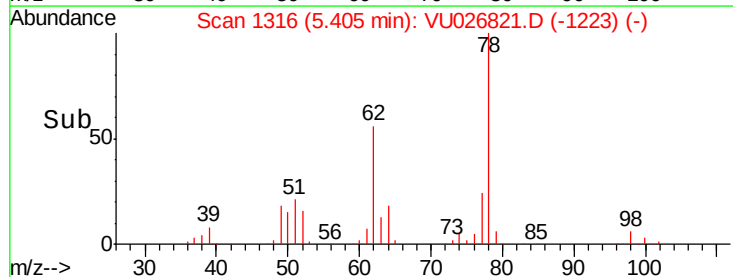
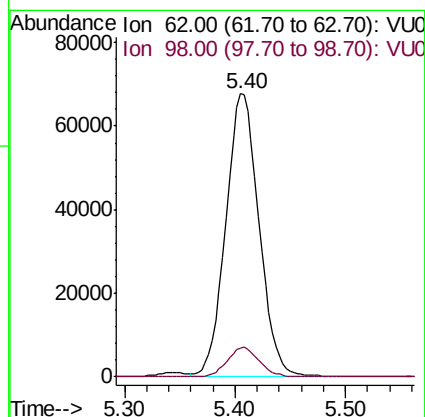
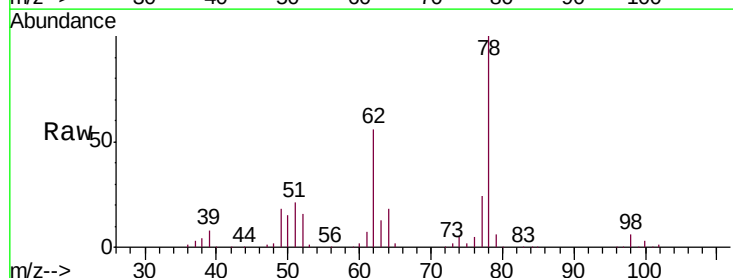
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

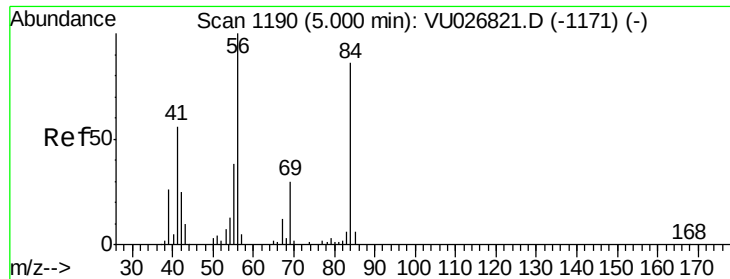
Tgt Ion: 83 Resp: 179718
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 50.271 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU026821.D
Acq: 17 Sep 2018 13:37

Tgt Ion: 62 Resp: 141857
Ion Ratio Lower Upper
62 100
98 10.3 8.2 12.4

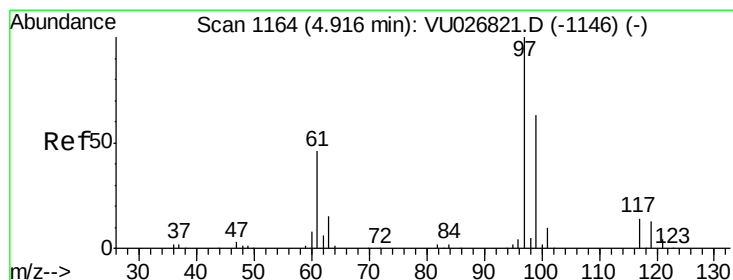
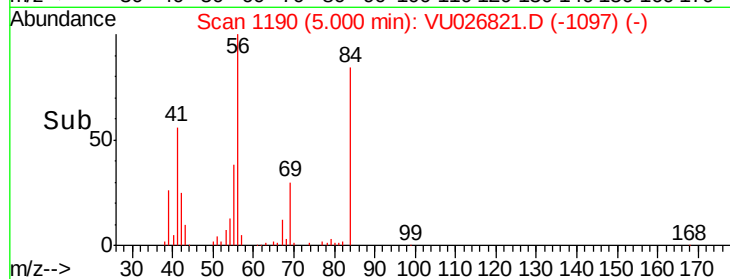
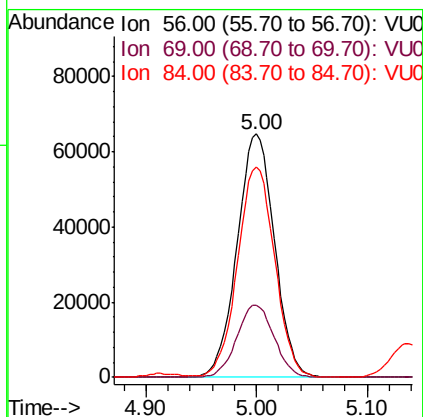
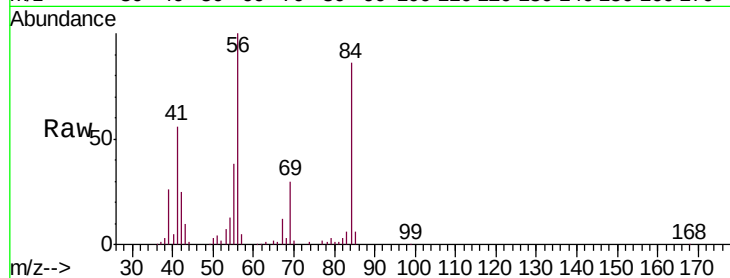




#29
Cyclohexane
Concen: 52.477 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026821.D
Acq: 17 Sep 2018 13:37

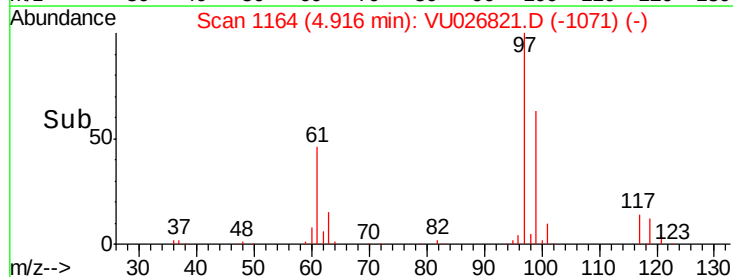
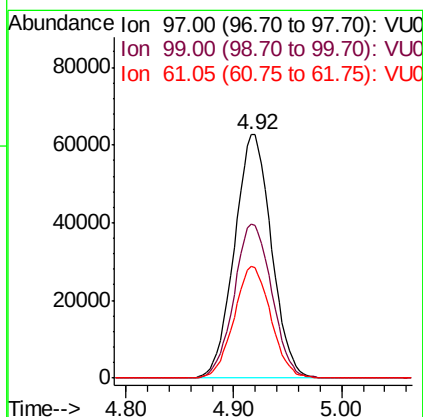
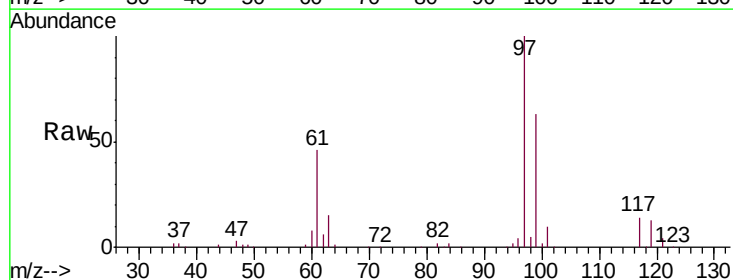
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

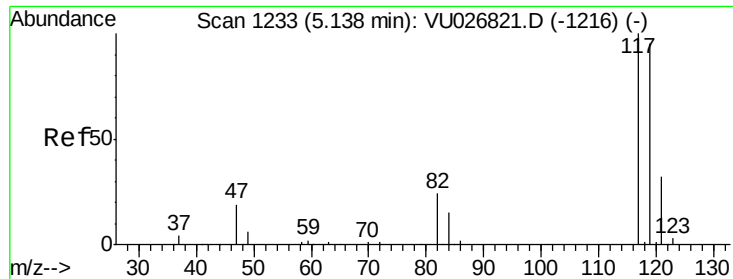
Tgt Ion: 56 Resp: 152148
Ion Ratio Lower Upper
56 100
69 29.6 23.7 35.5
84 86.2 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 50.380 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026821.D
Acq: 17 Sep 2018 13:37

Tgt Ion: 97 Resp: 149666
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 45.7 36.6 54.8





#31

Carbon tetrachloride

Concen: 50.289 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

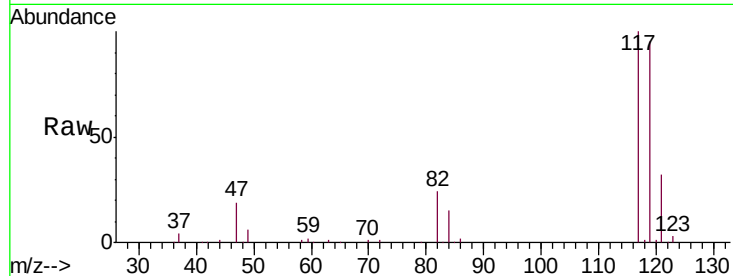
VSTD05051

Tgt Ion:117 Resp: 133877

Ion Ratio Lower Upper

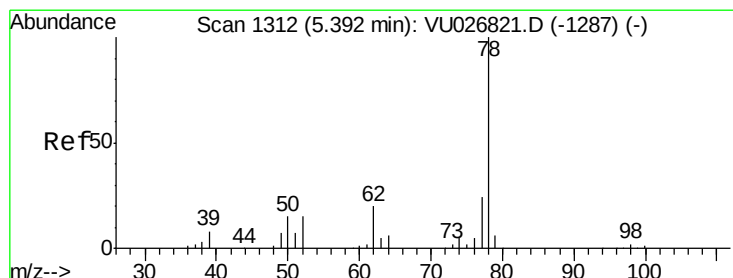
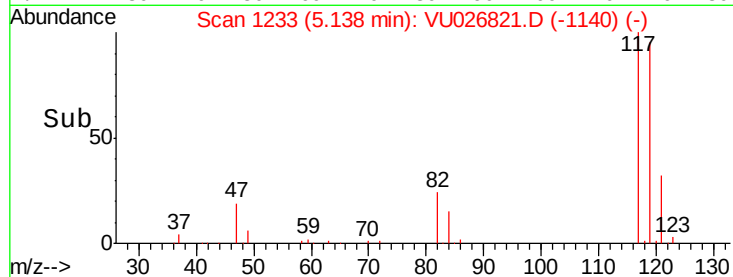
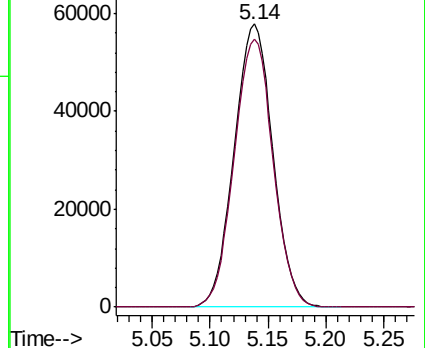
117 100

119 95.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.622 ug/L

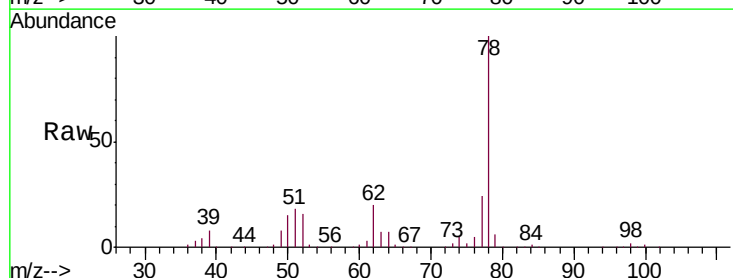
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

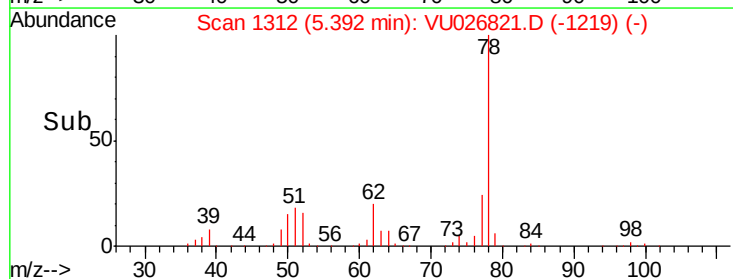
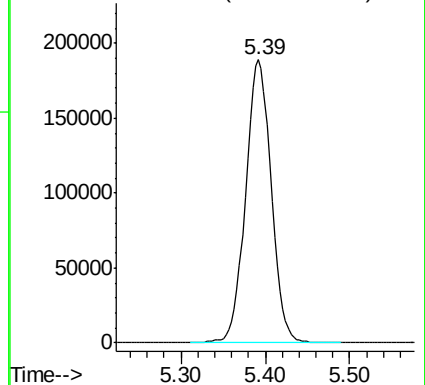
Lab File: VU026821.D

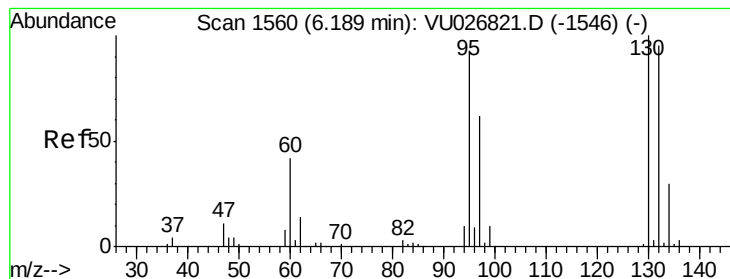
Acq: 17 Sep 2018 13:37

Tgt Ion: 78 Resp: 399655



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.273 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

Tgt Ion: 95 Resp: 91538

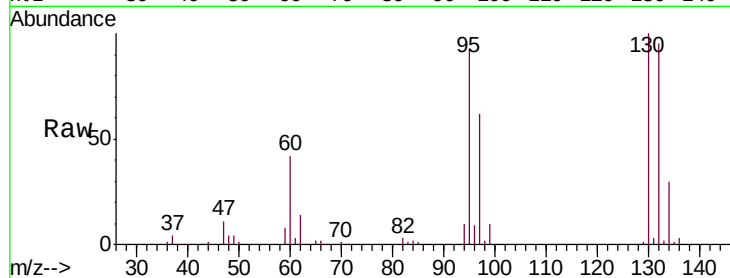
Ion Ratio Lower Upper

95 100

97 66.1 46.3 85.9

132 102.4 71.7 133.1

130 107.5 75.3 139.8

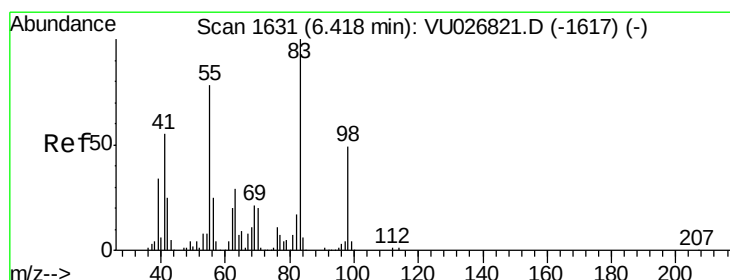
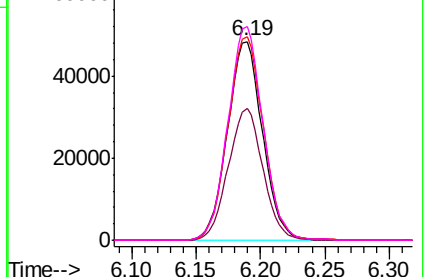
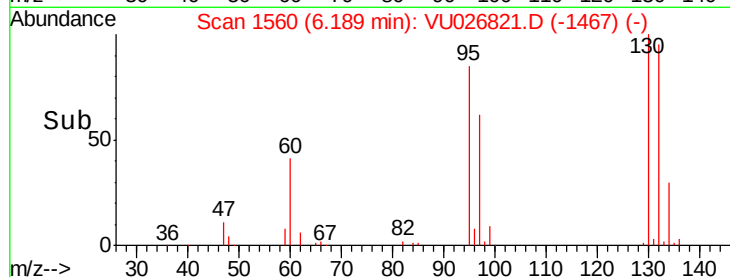


Abundance Ion 95.00 (94.70 to 95.70): VU026821.D (-1546) (-)

Ion 97.00 (96.70 to 97.70): VU026821.D (-1546) (-)

Ion 132.00 (131.70 to 132.70): VU026821.D (-1546) (-)

Ion 130.00 (129.70 to 130.70): VU026821.D (-1546) (-)



#35

Methylcyclohexane

Concen: 53.006 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

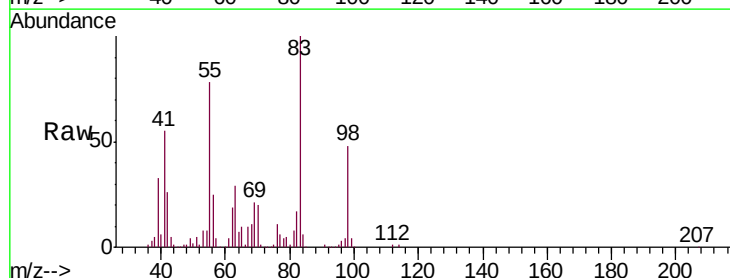
Tgt Ion: 83 Resp: 160520

Ion Ratio Lower Upper

83 100

55 77.1 61.7 92.5

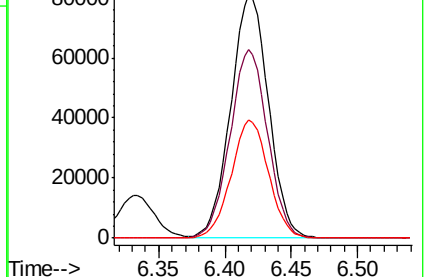
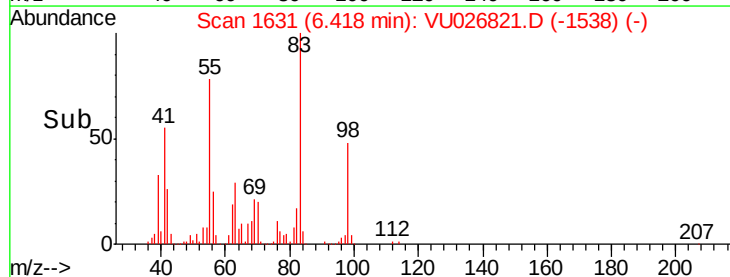
98 47.9 38.3 57.5

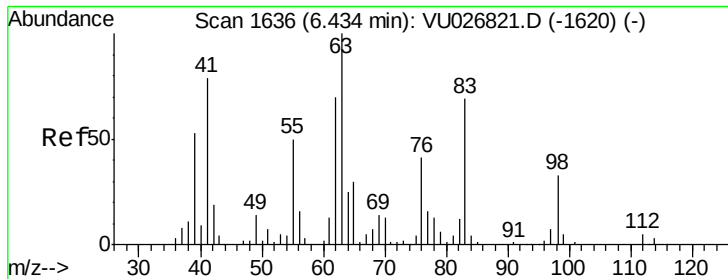


Abundance Ion 83.00 (82.70 to 83.70): VU026821.D (-1617) (-)

Ion 55.00 (54.70 to 55.70): VU026821.D (-1617) (-)

Ion 98.00 (97.70 to 98.70): VU026821.D (-1617) (-)

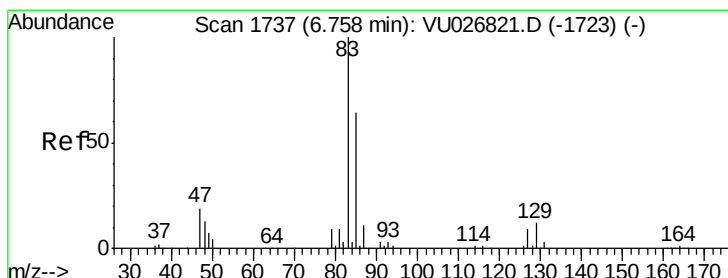
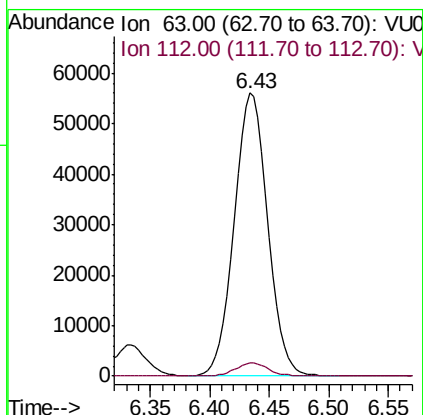
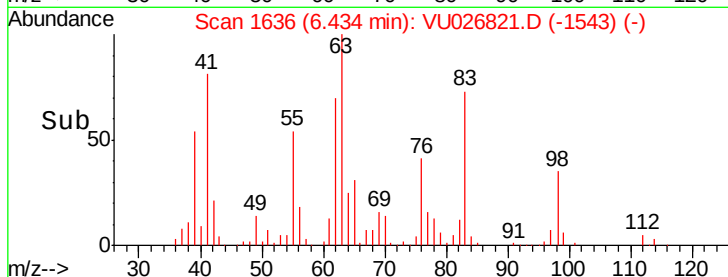
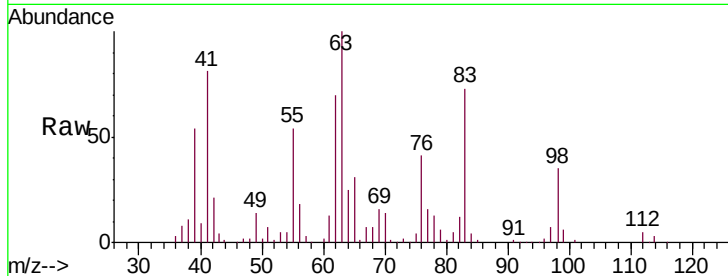




#37
 1,2-Dichloropropane
 Concen: 51.425 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

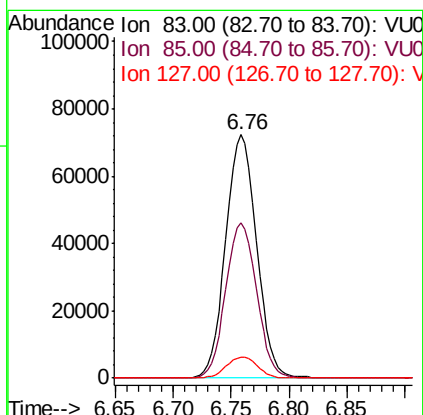
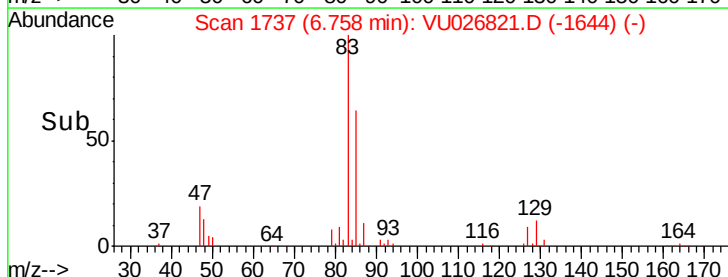
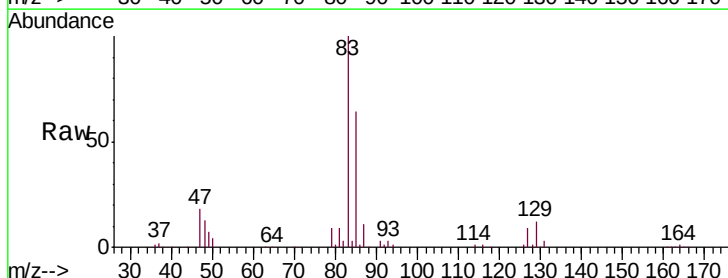
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

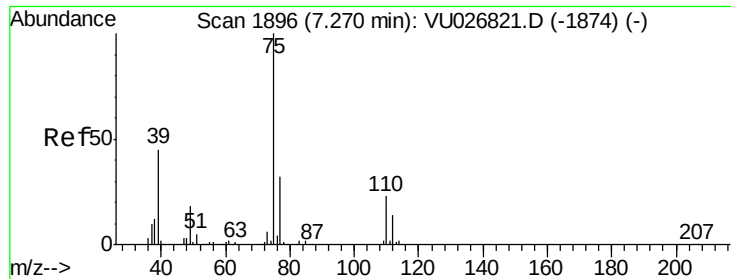
Tgt Ion: 63 Resp: 109367
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 50.672 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

Tgt Ion: 83 Resp: 133643
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 51.393 ug/L

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

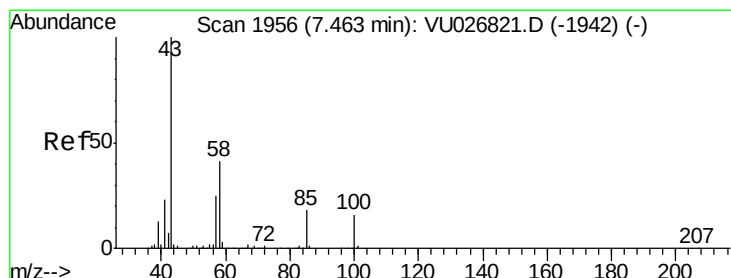
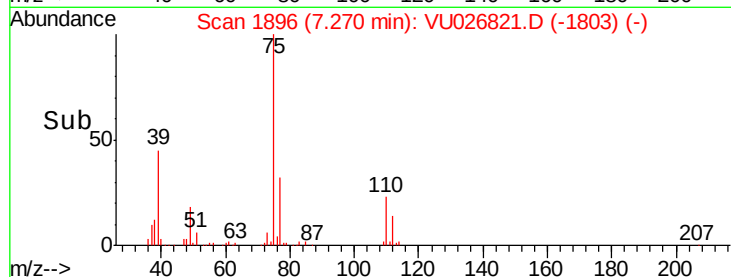
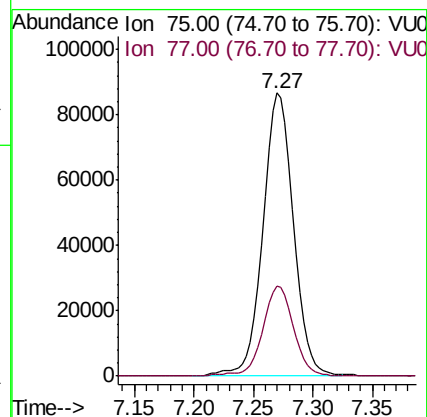
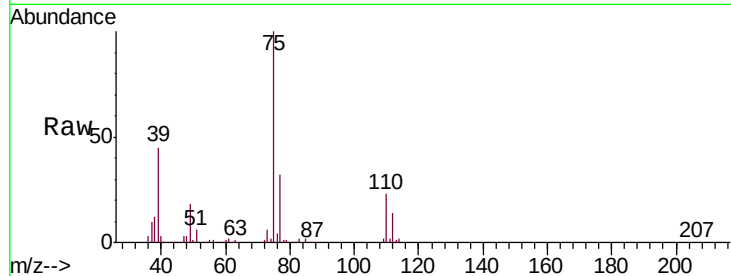
VSTD05051

Tgt Ion: 75 Resp: 154393

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 106.113 ug/L

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

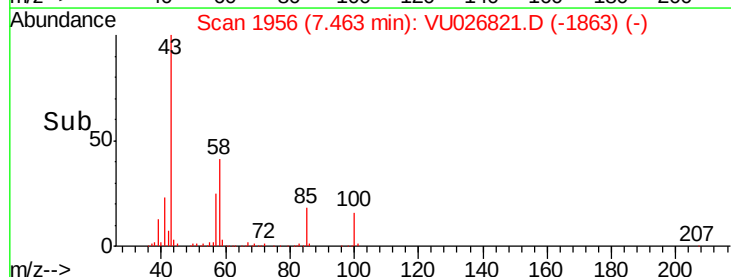
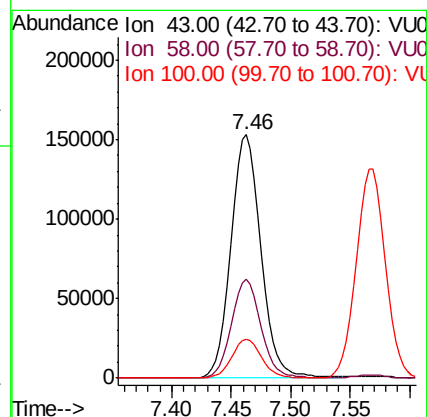
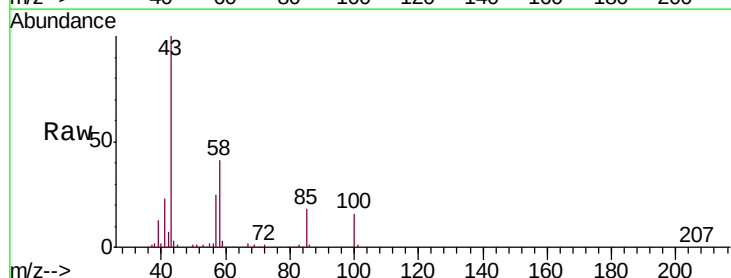
Tgt Ion: 43 Resp: 268148

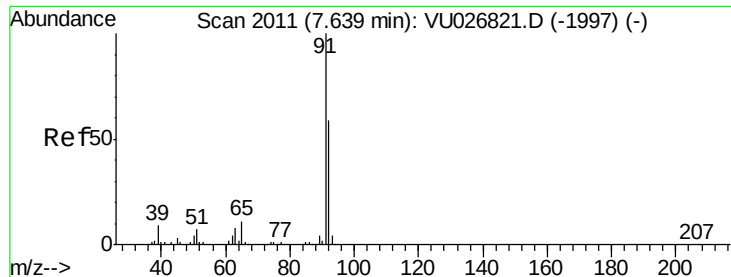
Ion Ratio Lower Upper

43 100

58 40.0 32.0 48.0

100 15.8 12.6 19.0





#42

Toluene

Concen: 52.645 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

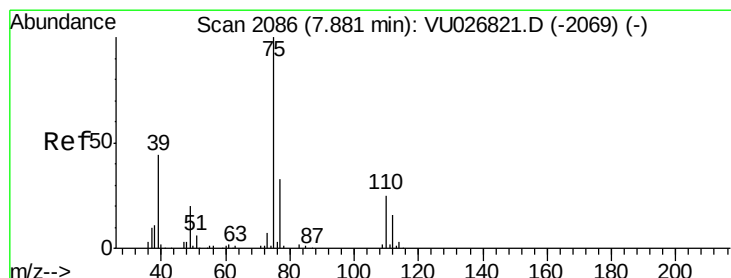
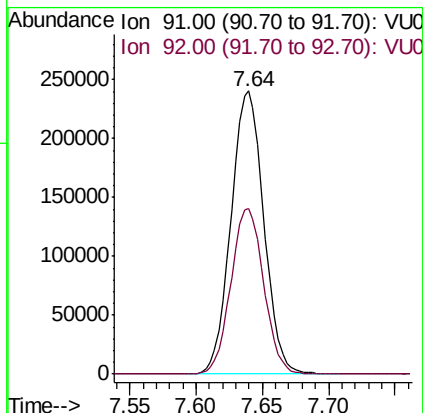
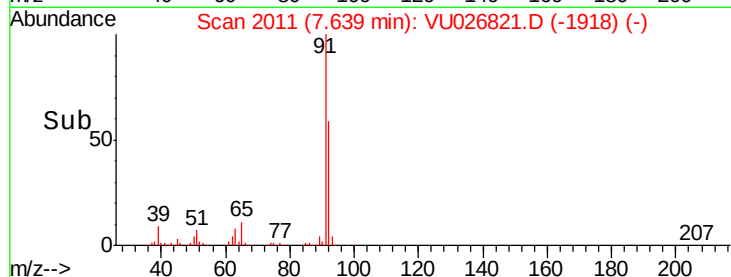
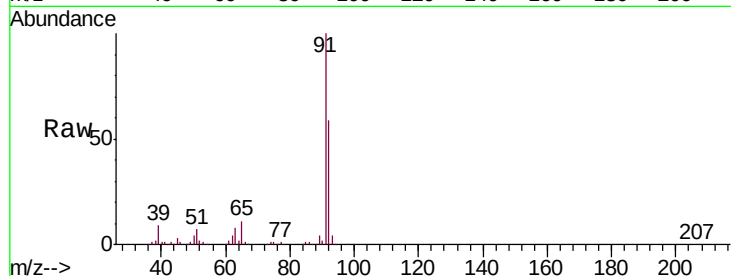
VSTD05051

Tgt Ion: 91 Resp: 412452

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 51.411 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU026821.D

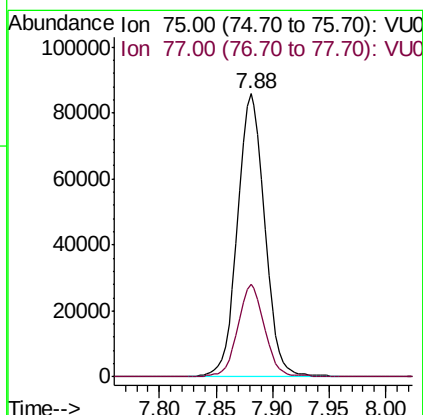
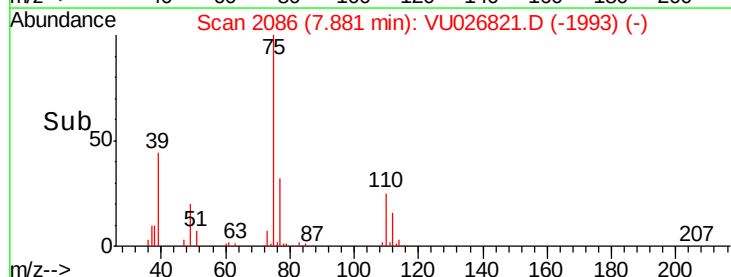
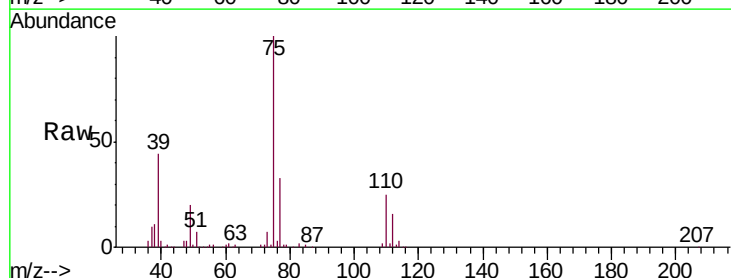
Acq: 17 Sep 2018 13:37

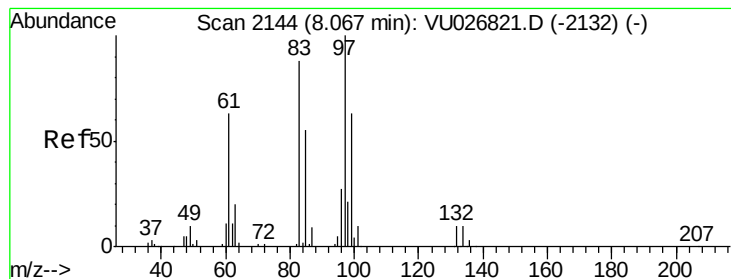
Tgt Ion: 75 Resp: 144613

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 50.786 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

Tgt Ion: 97 Resp: 98470

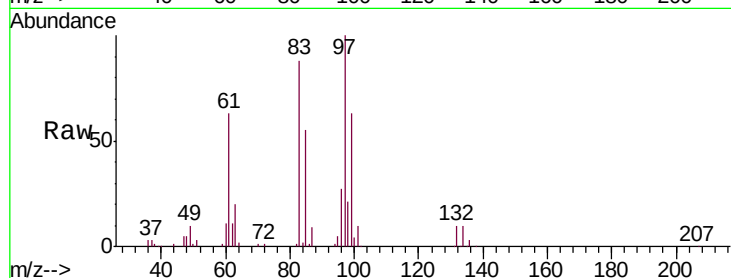
Ion Ratio Lower Upper

97 100

99 63.3 44.3 82.3

83 87.8 61.5 114.1

85 55.1 38.6 71.6

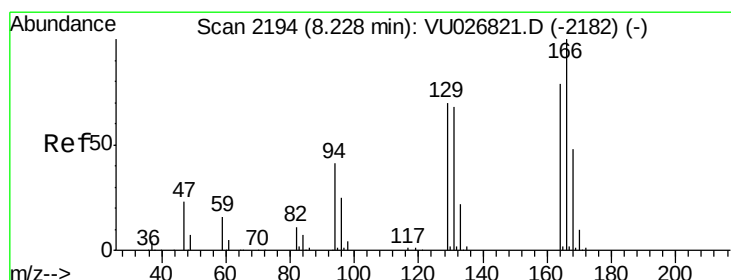
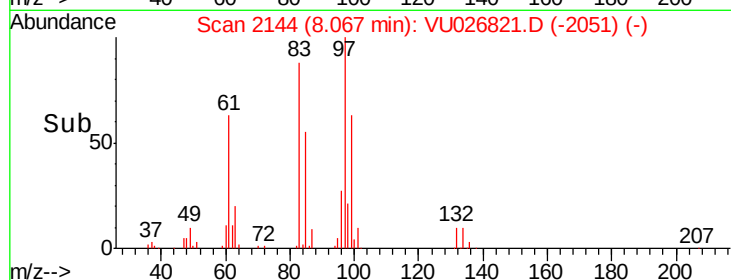
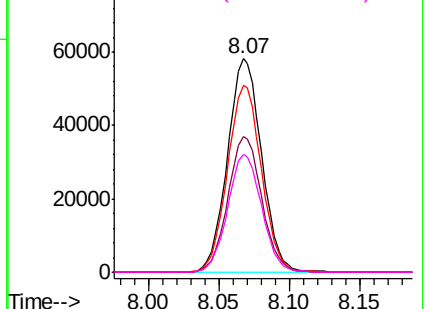


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.624 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Tgt Ion: 164 Resp: 83372

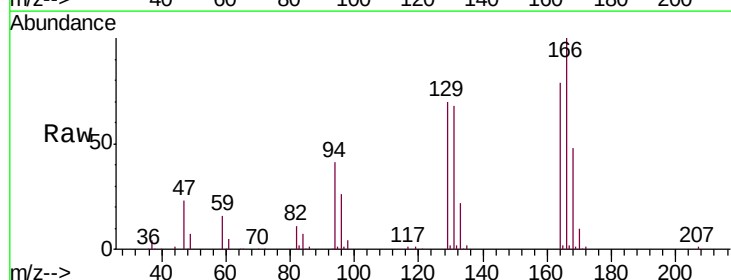
Ion Ratio Lower Upper

164 100

129 88.8 62.2 115.4

131 86.5 60.5 112.5

166 127.1 89.0 165.2

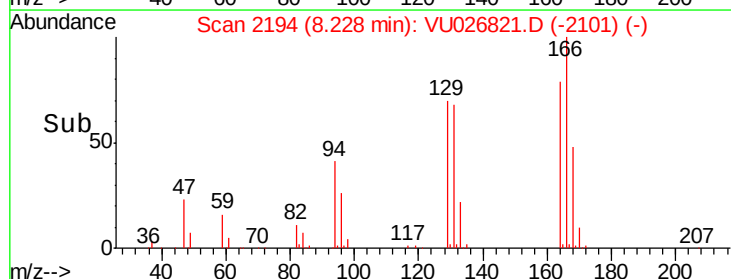
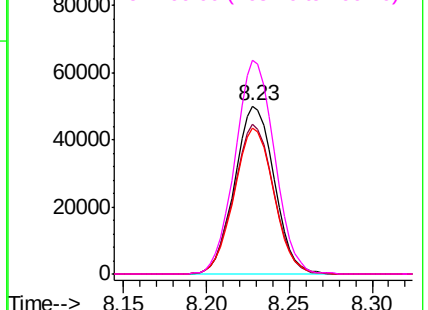


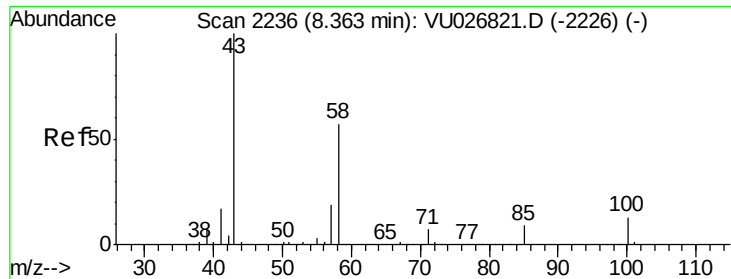
Abundance Ion 164.00 (163.70 to 164.70): V

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

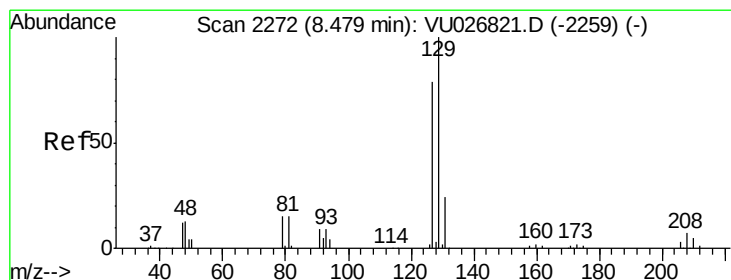
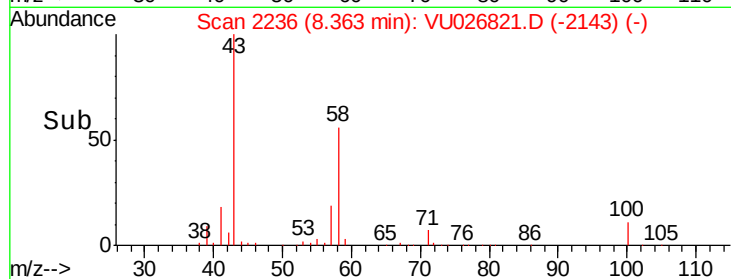
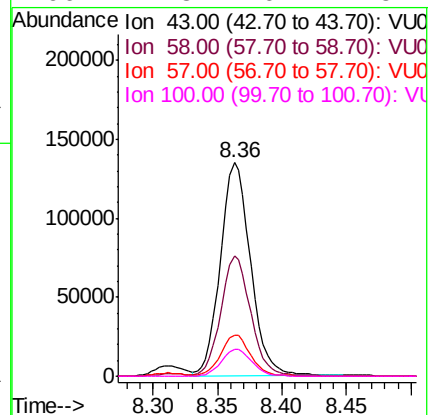
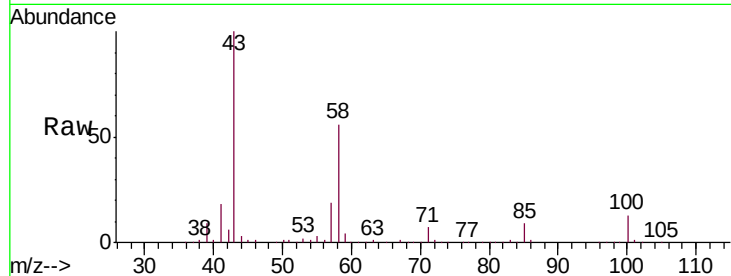




#48
2-Hexanone
Concen: 107.660 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026821.D
Acq: 17 Sep 2018 13:37

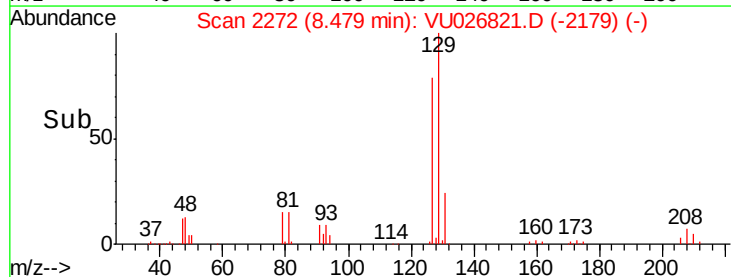
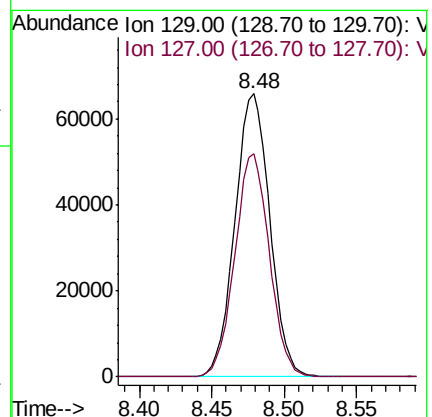
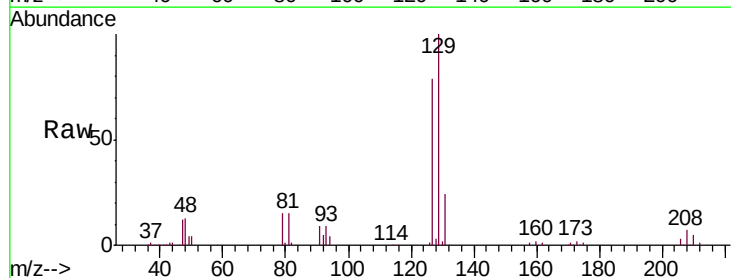
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

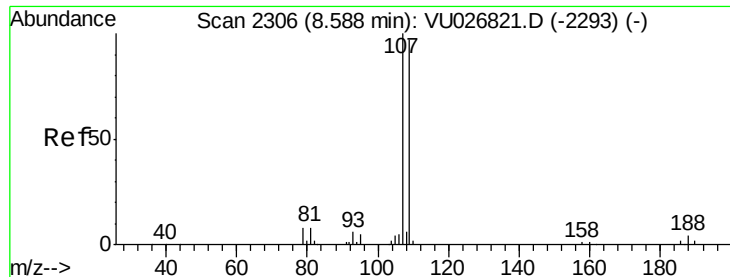
Tgt Ion:	43	Resp:	219450
Ion	Ratio	Lower	Upper
43	100		
58	56.1	44.9	67.3
57	19.3	15.4	23.2
100	12.8	10.2	15.4



#49
Dibromochloromethane
Concen: 50.209 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026821.D
Acq: 17 Sep 2018 13:37

Tgt Ion:	129	Resp:	110200
Ion	Ratio	Lower	Upper
129	100		
127	78.8	55.2	102.4

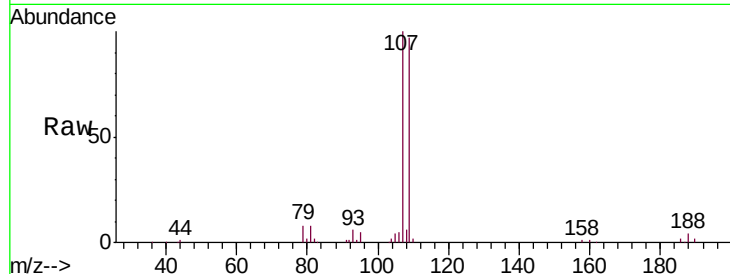




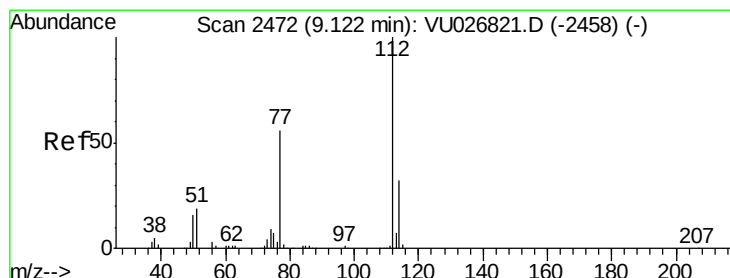
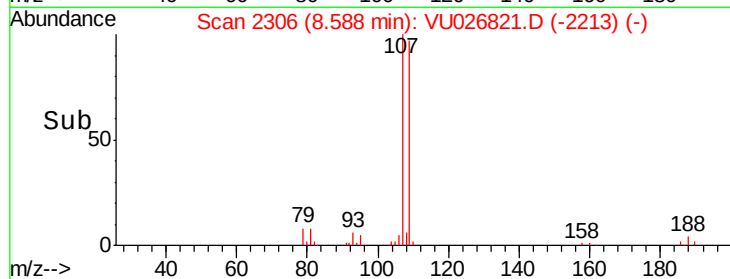
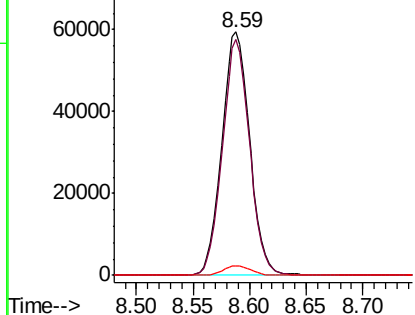
#50
 1,2-Dibromoethane
 Concen: 50.395 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.8	67.8	125.8
188	4.0	3.2	4.8

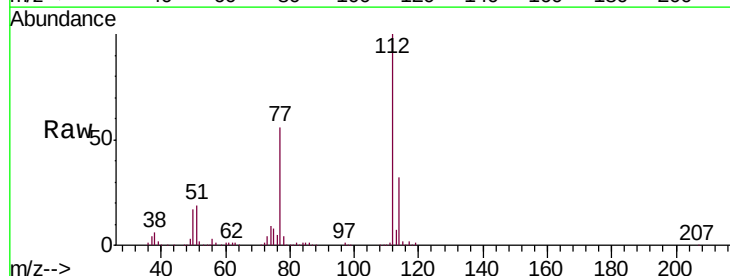


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

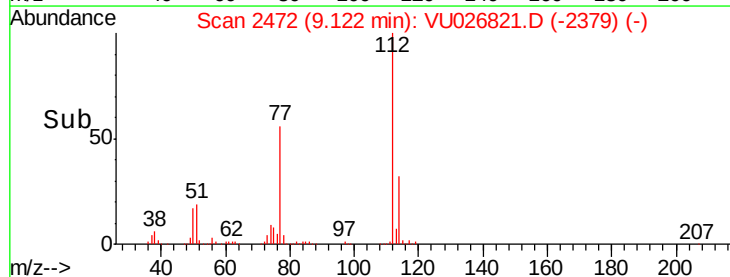
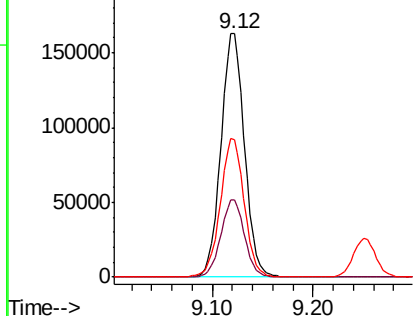


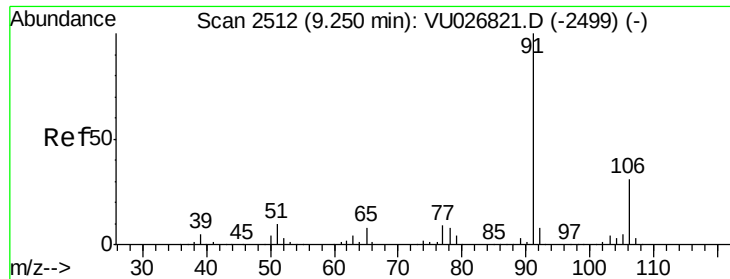
#51
 Chlorobenzene
 Concen: 50.021 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	56.4	45.1	67.7



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





#52

Ethylbenzene

Concen: 52.674 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

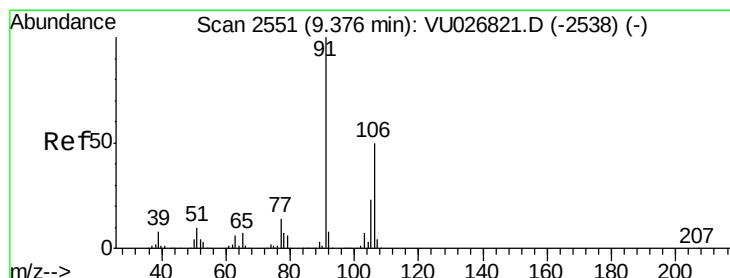
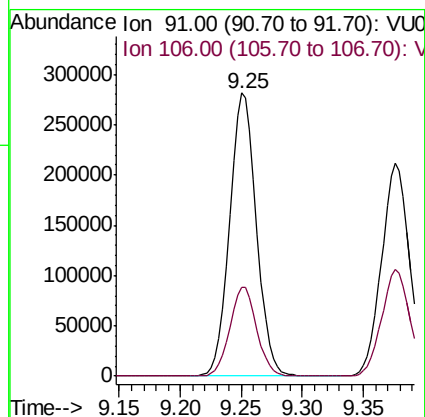
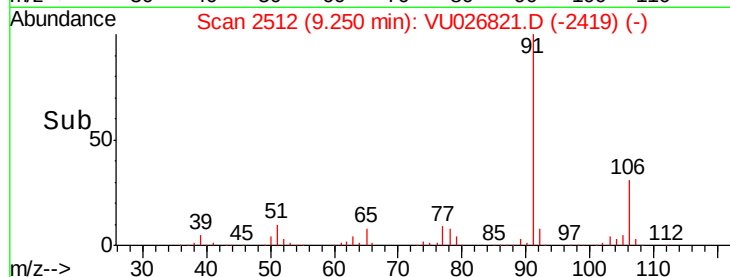
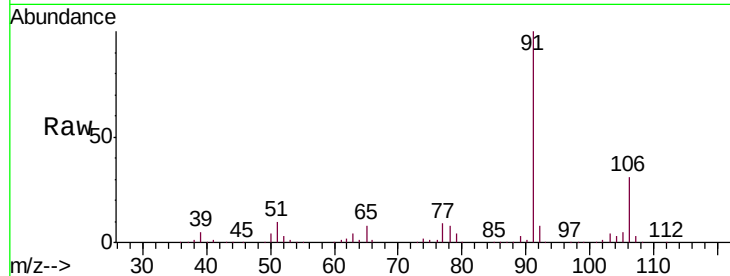
VSTD05051

Tgt Ion: 91 Resp: 432284

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 54.121 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026821.D

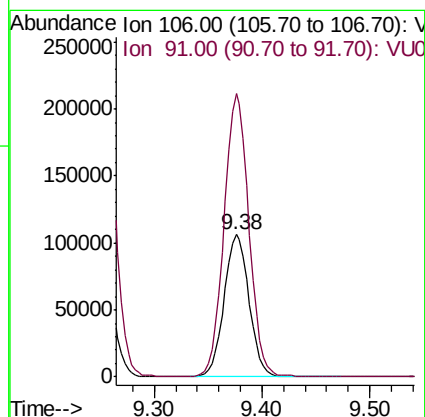
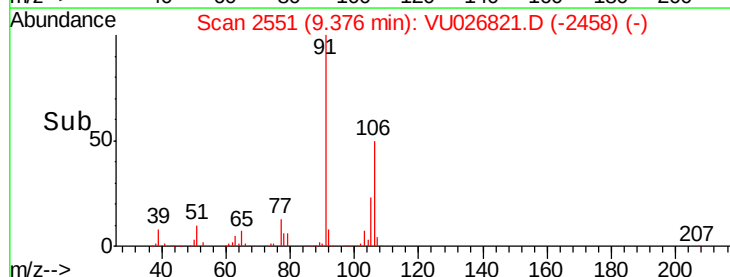
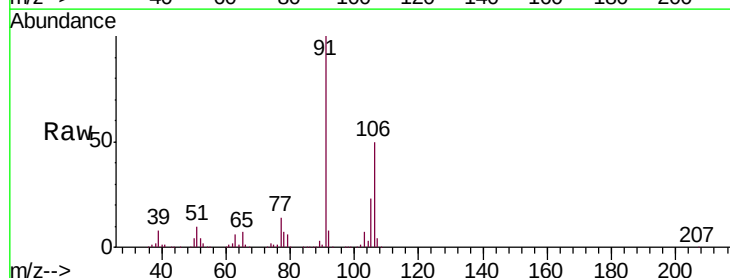
Acq: 17 Sep 2018 13:37

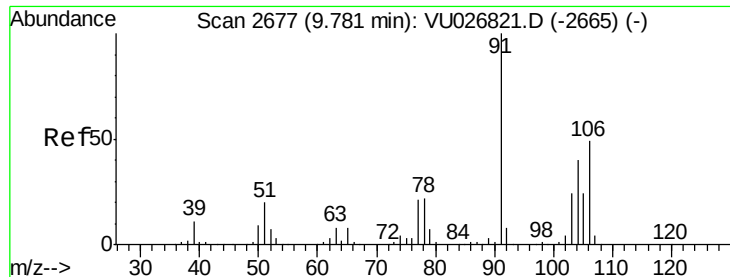
Tgt Ion: 106 Resp: 170748

Ion Ratio Lower Upper

106 100

91 198.9 139.2 258.6





#54

o-xylene

Concen: 54.390 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

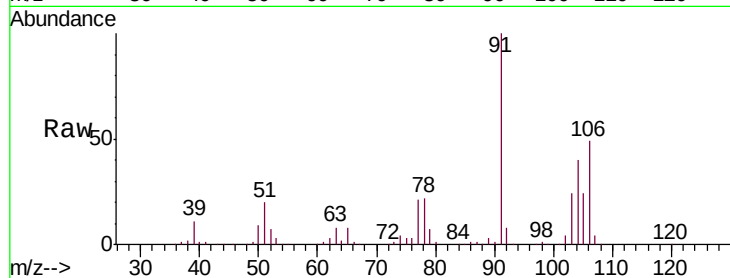
VSTD05051

Tgt Ion:106 Resp: 167194

Ion Ratio Lower Upper

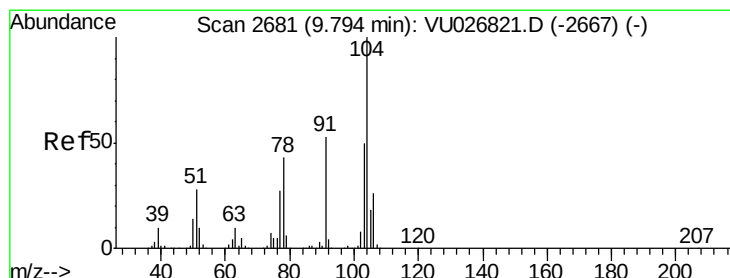
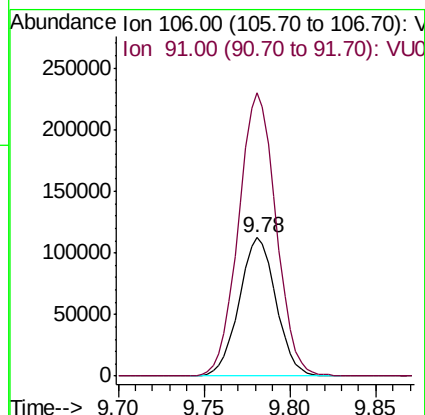
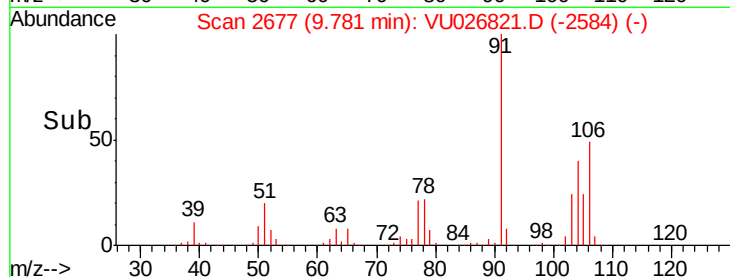
106 100

91 204.5 143.1 265.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 55.924 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026821.D

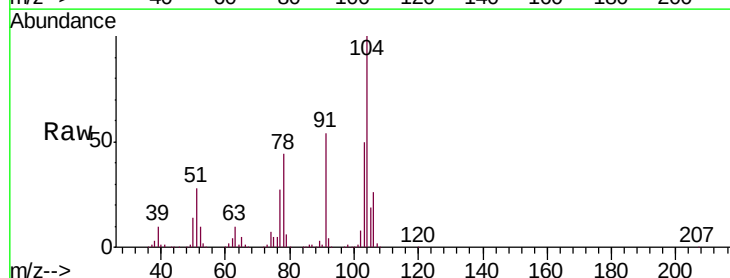
Acq: 17 Sep 2018 13:37

Tgt Ion:104 Resp: 296798

Ion Ratio Lower Upper

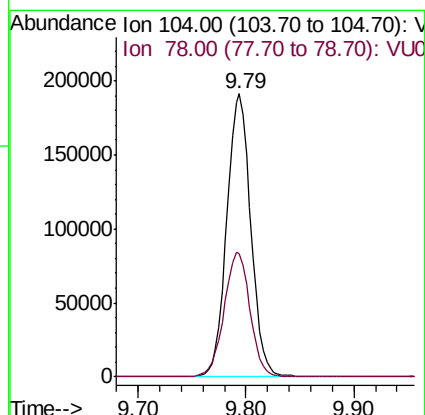
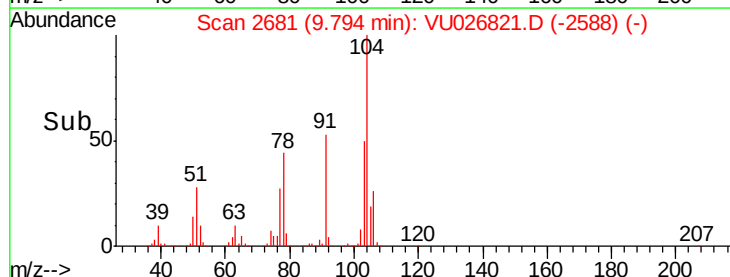
104 100

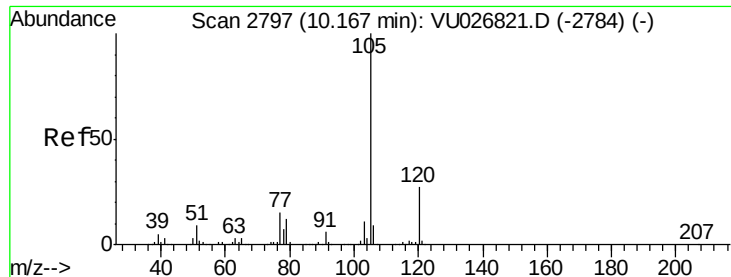
78 43.6 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.981 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

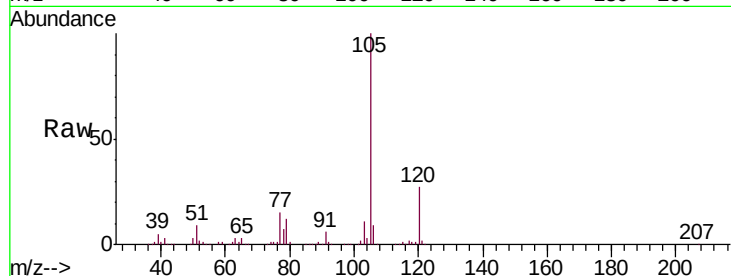
Tgt Ion: 105 Resp: 423865

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

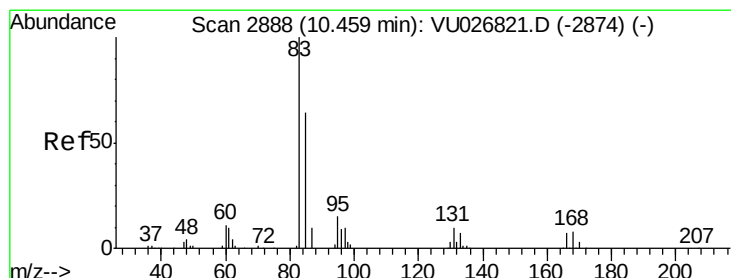
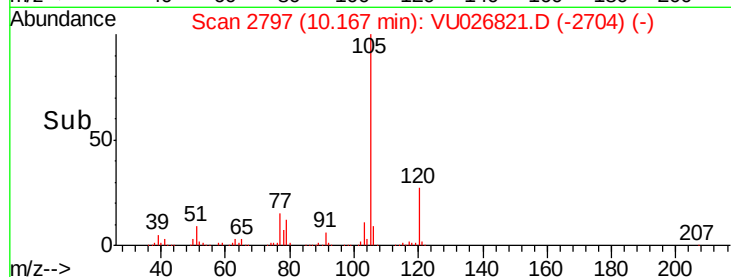
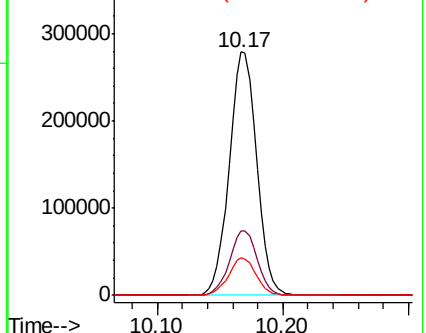
77 15.3 12.2 18.4



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: 50.056 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

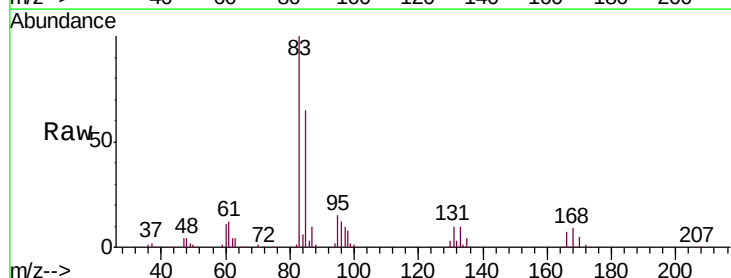
Tgt Ion: 83 Resp: 163244

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

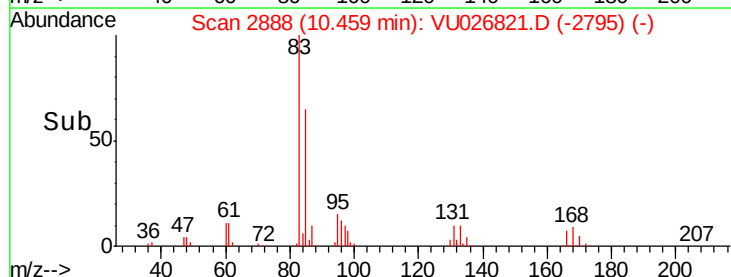
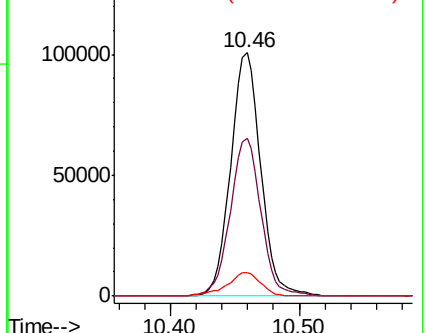
131 9.9 7.9 11.9

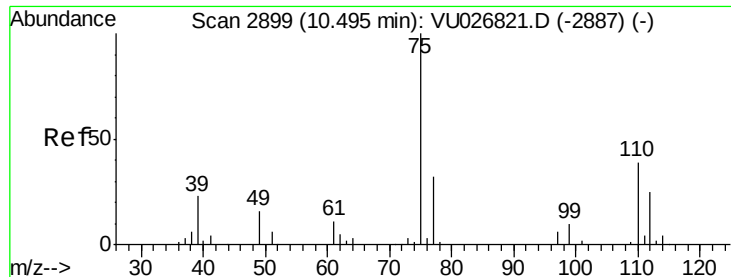


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.470 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

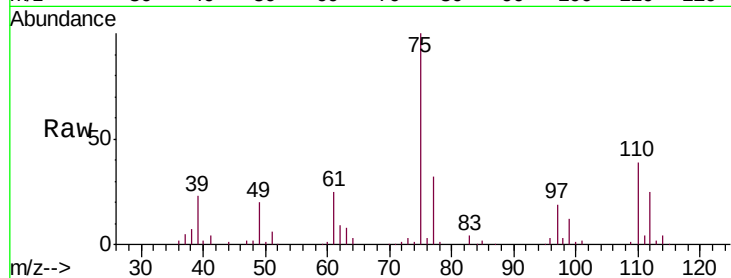
VSTD05051

Tgt Ion: 75 Resp: 128570

Ion Ratio Lower Upper

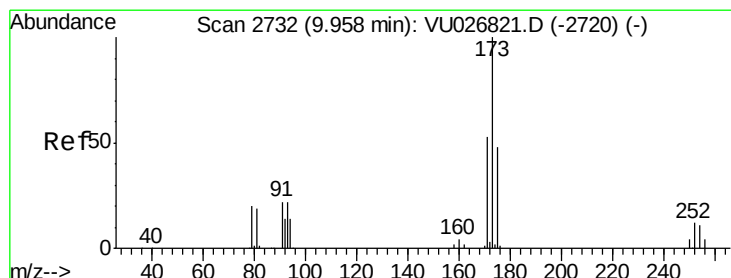
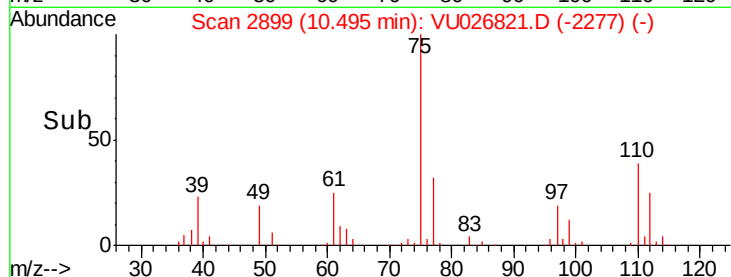
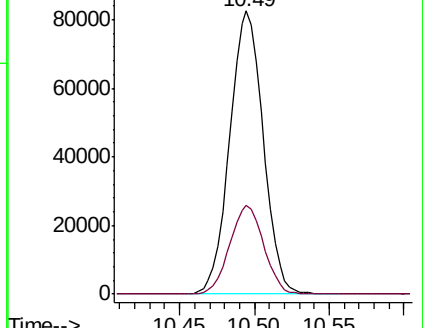
75 100

77 31.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU026821.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026821.D (-2887) (-)



#61

Bromoform

Concen: 48.309 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

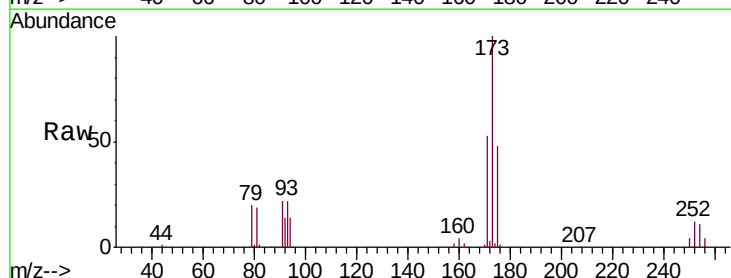
Tgt Ion: 173 Resp: 81621

Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

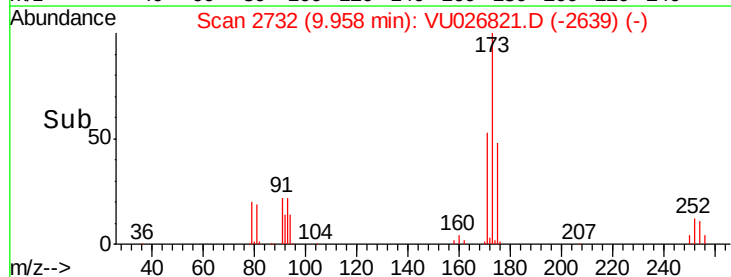
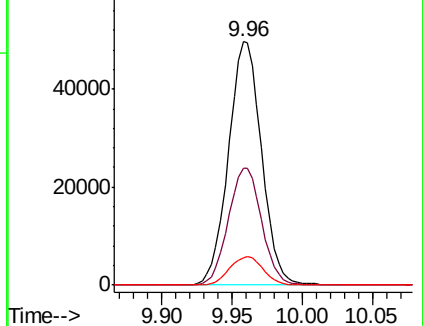
254 11.8 9.4 14.2

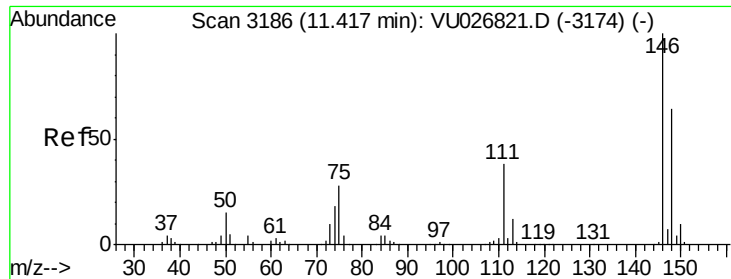


Abundance Ion 173.00 (172.70 to 173.70): VU026821.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU026821.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU026821.D (-2720) (-)

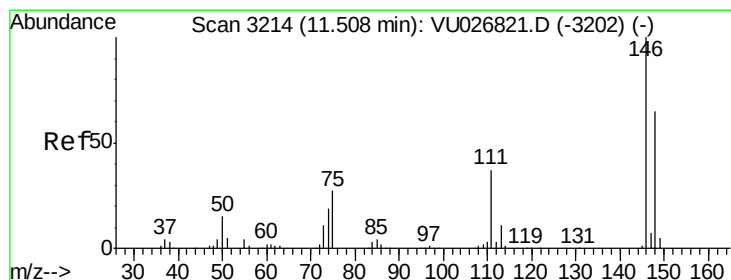
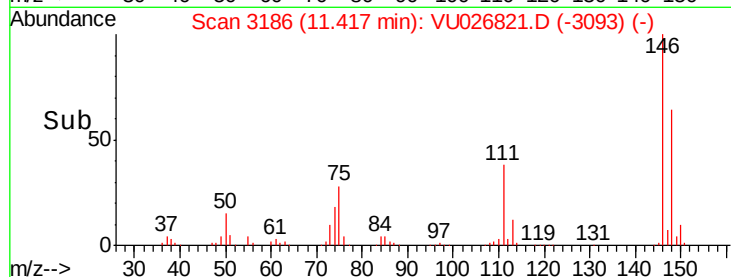
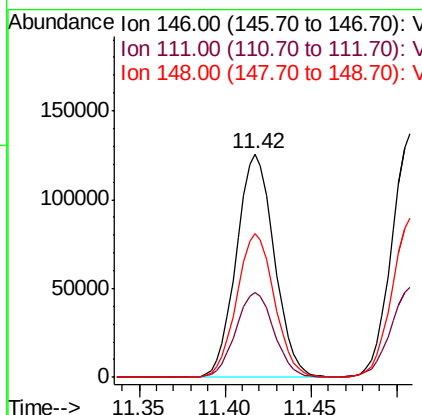
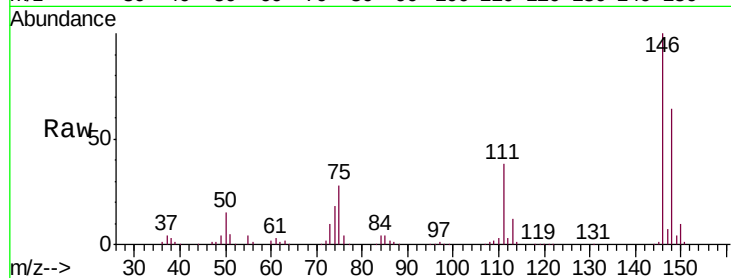




#62
 1,3-Dichlorobenzene
 Concen: 49.266 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

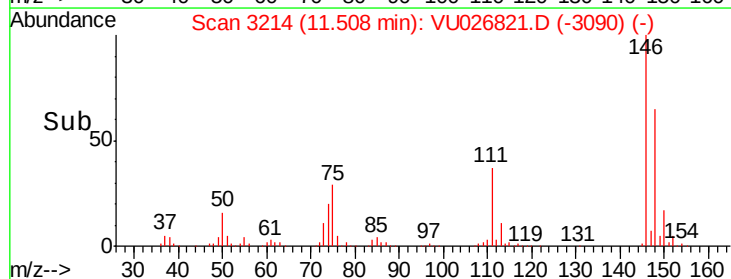
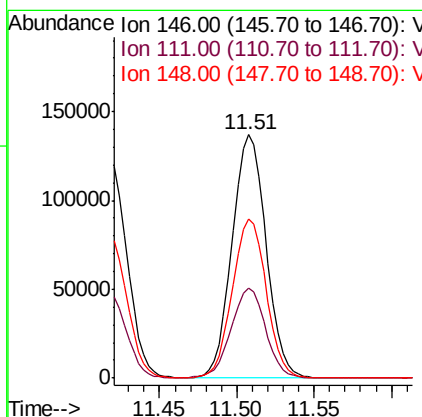
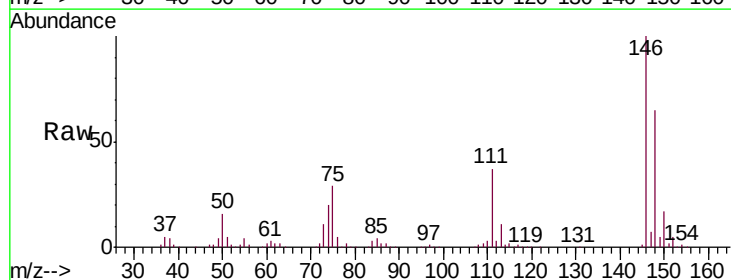
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

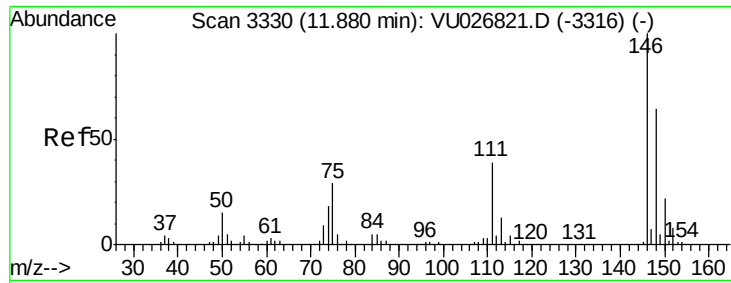
Tgt Ion:146 Resp: 192961
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.7
 148 64.2 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 48.233 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

Tgt Ion:146 Resp: 208023
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.0 48.2
 148 65.5 45.8 85.2

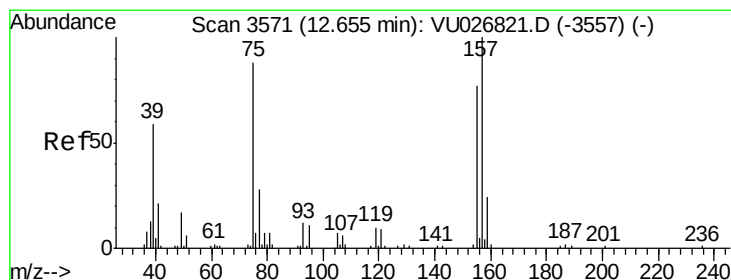
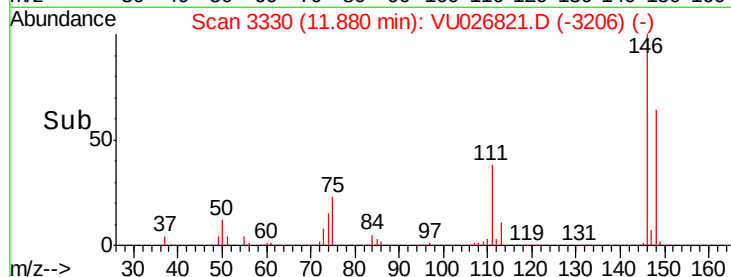
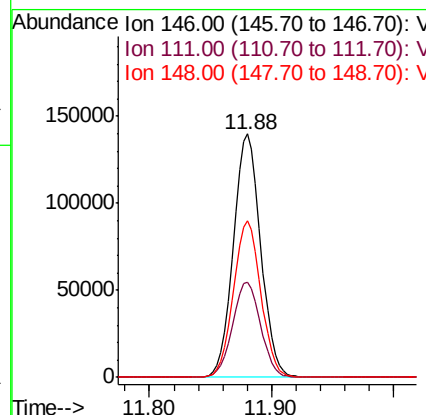
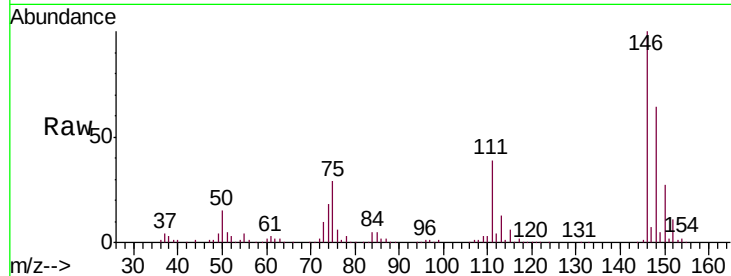




#65
 1,2-Dichlorobenzene
 Concen: 50.421 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

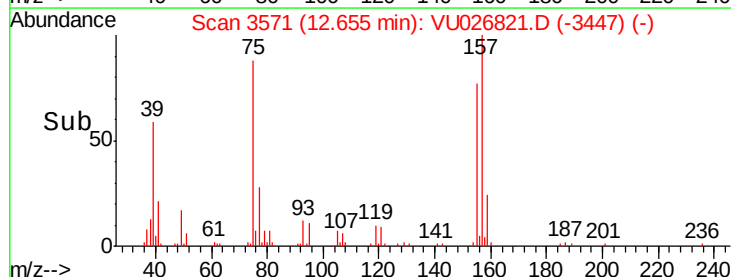
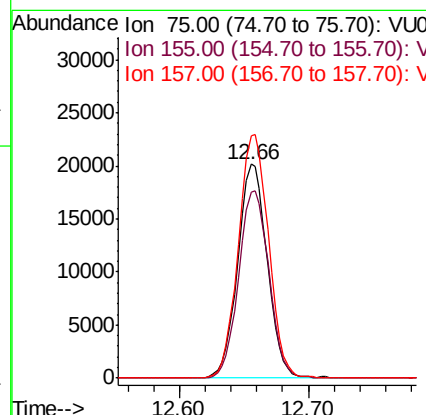
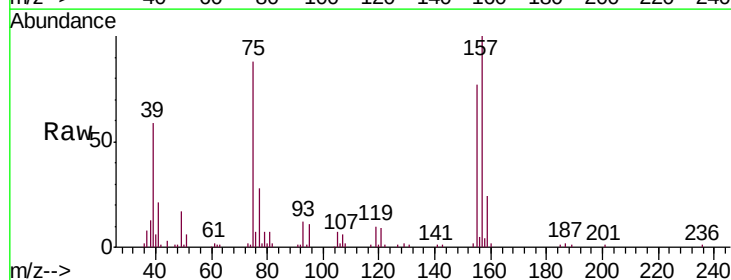
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

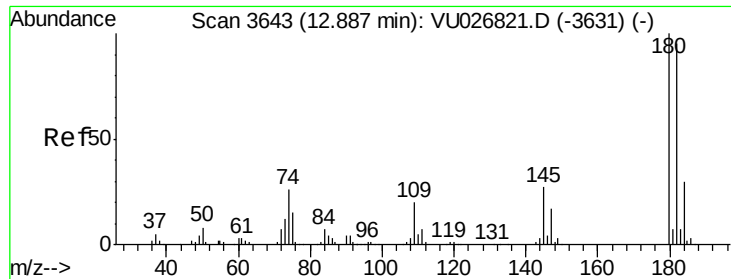
Tgt Ion: 146 Resp: 218669
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.4 47.0
 148 64.3 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.746 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

Tgt Ion: 75 Resp: 32072
 Ion Ratio Lower Upper
 75 100
 155 86.9 69.5 104.3
 157 113.1 90.5 135.7

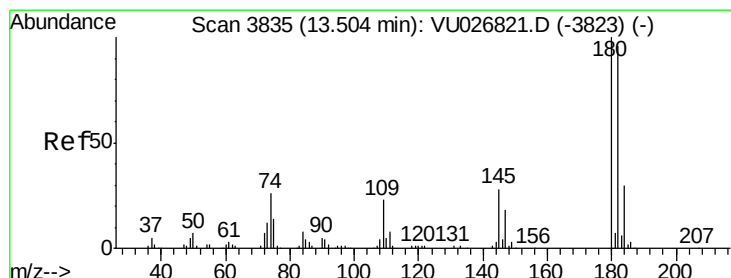
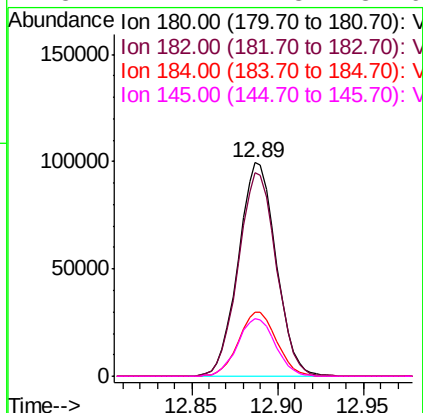
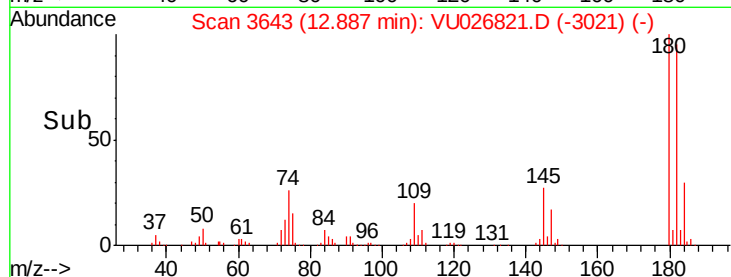
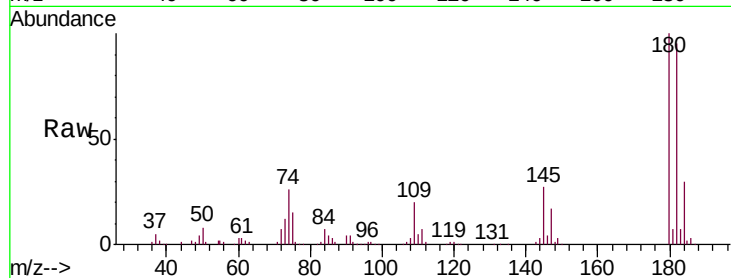




#67
 1,3,5-Trichlorobenzene
 Concen: 50.065 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

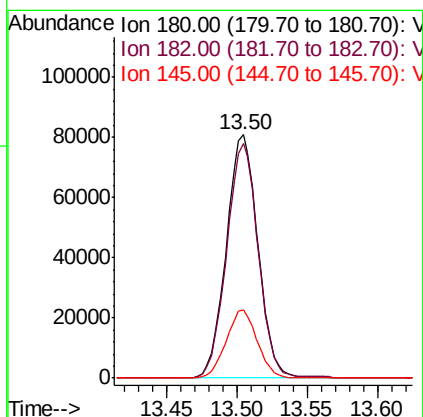
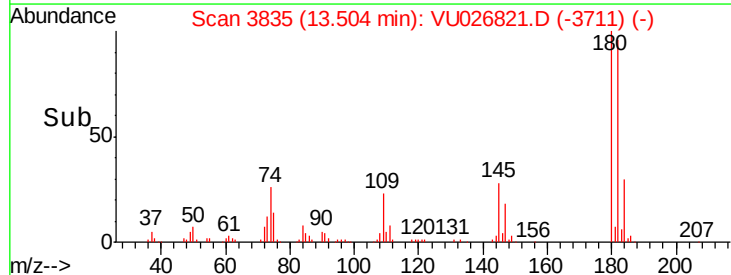
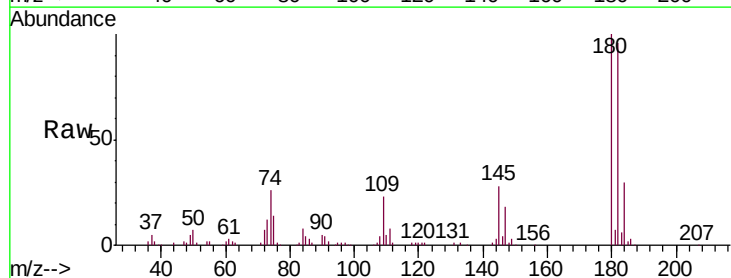
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

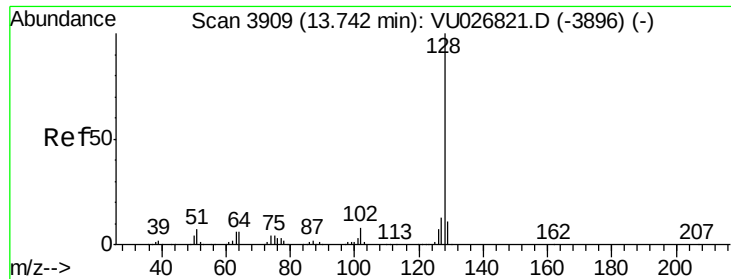
Tgt Ion:	180	Resp:	151741
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
184	30.3	24.2	36.4
145	27.2	21.8	32.6



#68
 1,2,4-trichlorobenzene
 Concen: 48.638 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026821.D
 Acq: 17 Sep 2018 13:37

Tgt Ion:	180	Resp:	127035
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	27.7	22.2	33.2





#69

Naphthalene

Concen: 54.365 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

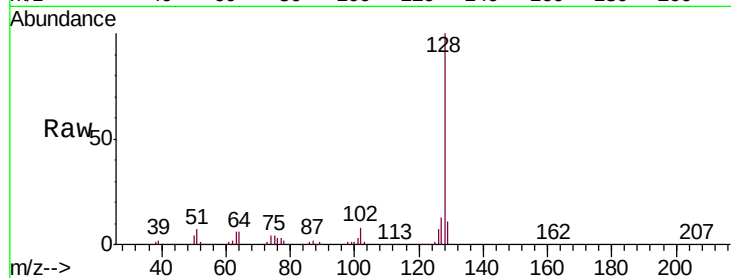
Tgt Ion:128 Resp: 418316

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

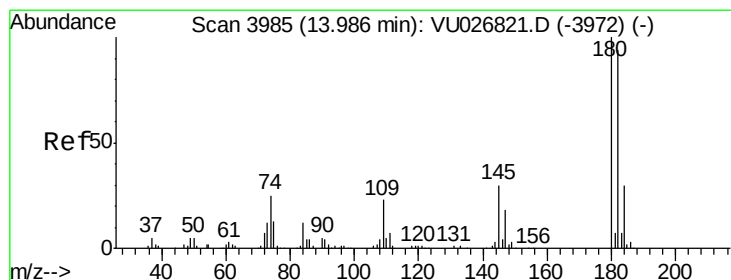
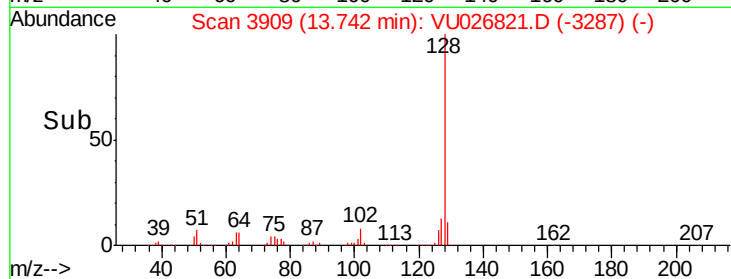
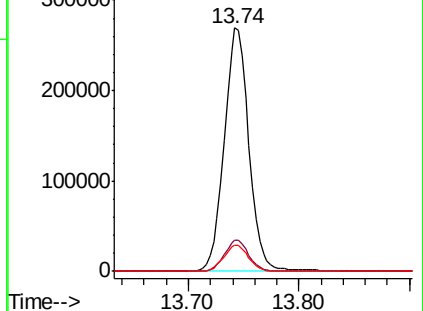
129 10.7 8.6 12.8



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: 52.614 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU026821.D

Acq: 17 Sep 2018 13:37

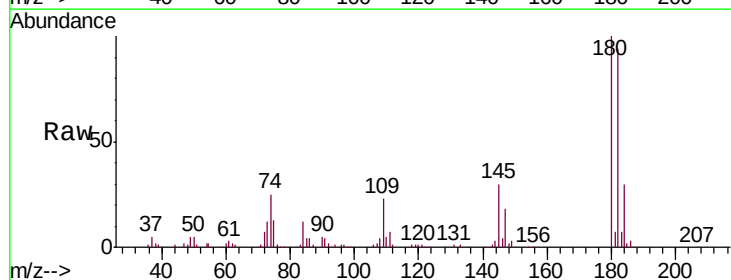
Tgt Ion:180 Resp: 151329

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 29.7 23.8 35.6



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

