

Data File : VU026844.D
Acq On : 18 Sep 2018 07:55
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Quant Time: Sep 19 04:43:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	256922	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	245073	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	128290	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89469	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.16%
7) Chloroethane-d5	1.68	69	78067	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.98%
11) 1,1-Dichloroethene-d2	2.27	63	173297	48.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.38%
21) 2-Butanone-d5	4.18	46	127805	101.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.33%
24) Chloroform-d	4.65	84	176104	49.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.90%
26) 1,2-Dichloroethane-d4	5.31	65	108493	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
32) Benzene-d6	5.34	84	352176	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
36) 1,2-Dichloropropane-d6	6.33	67	111475	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.74%
41) Toluene-d8	7.57	98	323984	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%
43) trans-1,3-Dichloropropene-	7.85	79	50694	51.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.62%
47) 2-Hexanone-d5	8.31	63	93609	107.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.63%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	151885	49.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	130783	49.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	121392	49.994	ug/L	99
3) Chloromethane	1.33	50	122678	49.531	ug/L	100
5) Vinyl chloride	1.40	62	120808	50.120	ug/L	100
6) Bromomethane	1.62	94	62452	52.458	ug/L	100
8) Chloroethane	1.70	64	73859	48.898	ug/L	98
9) Trichlorofluoromethane	1.88	101	150219	50.160	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	90013	50.740	ug/L	99
12) 1,1-Dichloroethene	2.28	96	80940	48.580	ug/L	95
13) Acetone	2.32	43	155378	125.340	ug/L	100
14) Carbon disulfide	2.48	76	278715	48.476	ug/L	100
15) Methyl Acetate	2.61	43	105637	49.183	ug/L	98
16) Methylene chloride	2.70	84	102186	48.247	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	90131	49.118	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	276407	51.510	ug/L	100
19) 1,1-Dichloroethane	3.45	63	176566	49.888	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	100827	49.960	ug/L	100
22) 2-Butanone	4.26	43	175330	114.690	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	53760	49.336	ug/L	99
25) Chloroform	4.67	83	175480	48.952	ug/L	98
27) 1,2-Dichloroethane	5.40	62	137274	49.073	ug/L	100
29) Cyclohexane	5.00	56	155528	54.657	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	148404	50.901	ug/L	99
31) Carbon tetrachloride	5.13	117	131273	50.244	ug/L	99
33) Benzene	5.39	78	394863	51.968	ug/L	100
34) Trichloroethene	6.19	95	92295	50.620	ug/L	100
35) Methylcyclohexane	6.42	83	164948	55.498	ug/L	99
37) 1,2-Dichloropropane	6.43	63	108168	51.824	ug/L	100
38) Bromodichloromethane	6.76	83	130442	50.394	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	154622	52.443	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	261156	105.302	ug/L	100
42) Toluene	7.64	91	405594	52.749	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	143692	52.050	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	96441	50.680	ug/L	97
46) Tetrachloroethene	8.23	164	83055	51.385	ug/L	99
48) 2-Hexanone	8.36	43	229016	114.479	ug/L	99
49) Dibromochloromethane	8.48	129	107577	49.942	ug/L	100
50) 1,2-Dibromoethane	8.59	107	98619	49.711	ug/L	98
51) Chlorobenzene	9.12	112	263218	50.450	ug/L	99
52) Ethylbenzene	9.25	91	433011	53.761	ug/L	99
53) m,p-Xylene	9.38	106	170561	55.085	ug/L	99
54) o-xylene	9.78	106	163170	54.086	ug/L	95
55) Styrene	9.79	104	290145	55.705	ug/L	100
56) Isopropylbenzene	10.17	105	425867	55.262	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	156263	48.822	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	121990	48.793	ug/L	100
61) Bromoform	9.96	173	81827	48.504	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	198291	50.703	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	211651	49.148	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	215633	49.795	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	31070	47.294	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	158144	52.255	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	133872	51.332	ug/L	99
69) Naphthalene	13.75	128	417021	54.278	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	151574	52.778	ug/L	99

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

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Instrument :
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ClientSampleId :
VSTD05046

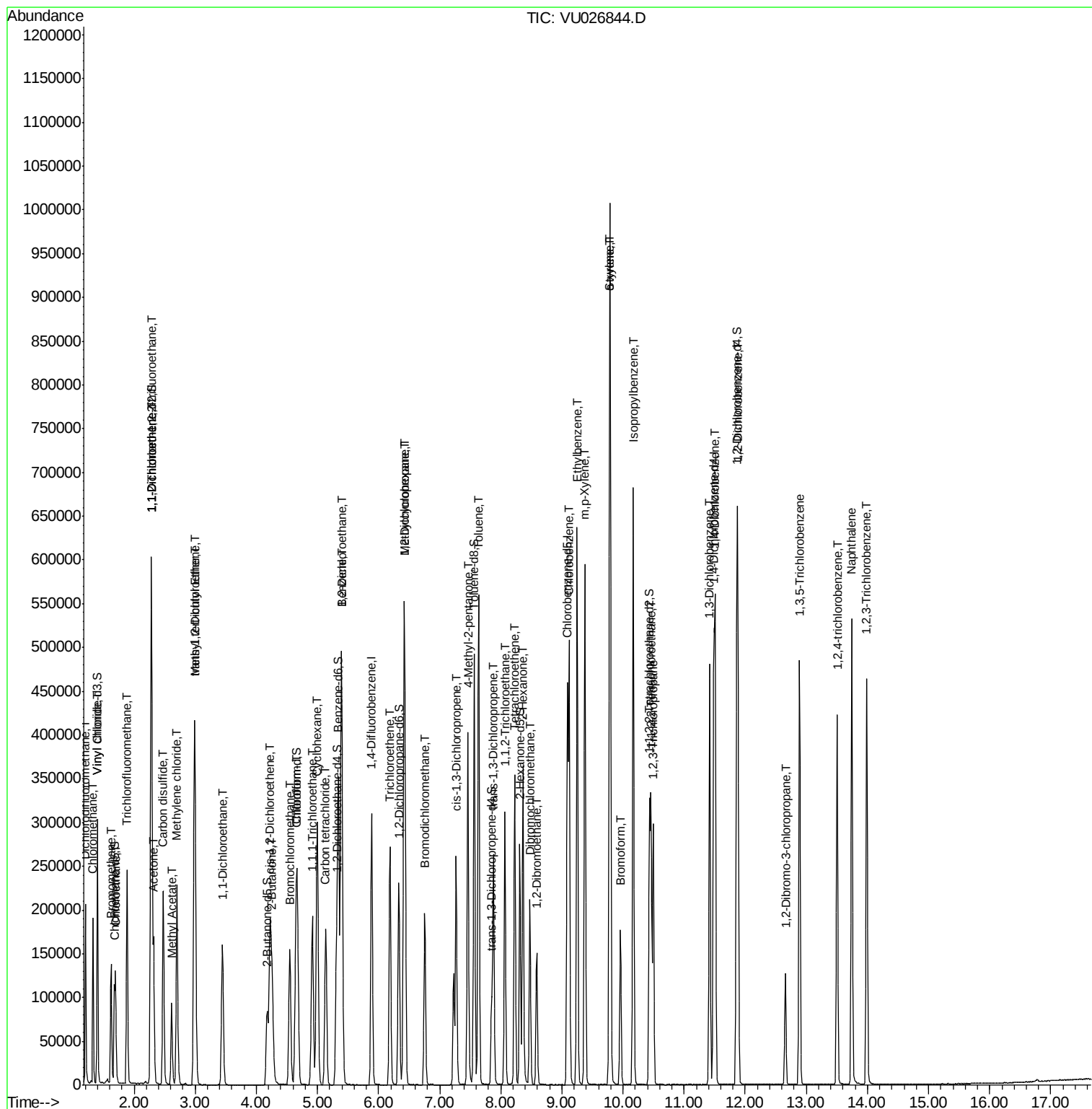
Quant Time: Sep 19 04:43:33 2018

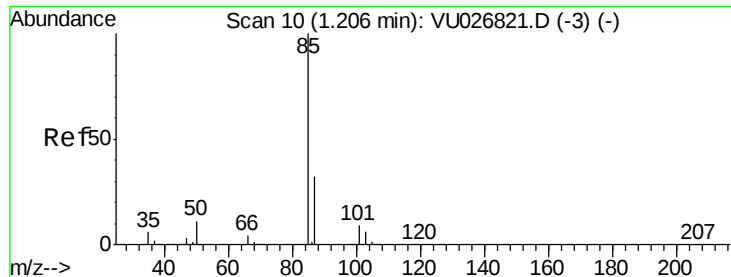
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM091718WMA.M

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#2

Dichlorodifluoromethane

Concen: 49.994 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

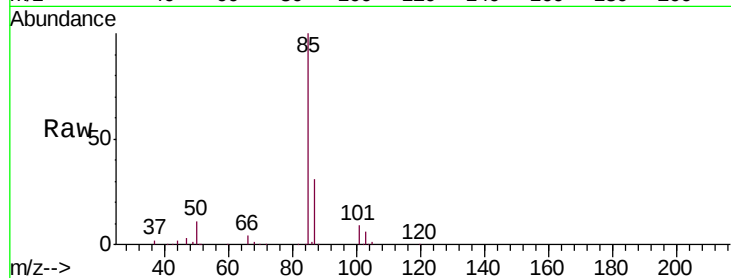
VSTD05046

Tgt Ion: 85 Resp: 121392

Ion Ratio Lower Upper

85 100

87 31.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU026821.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU026821.D (-3) (-)

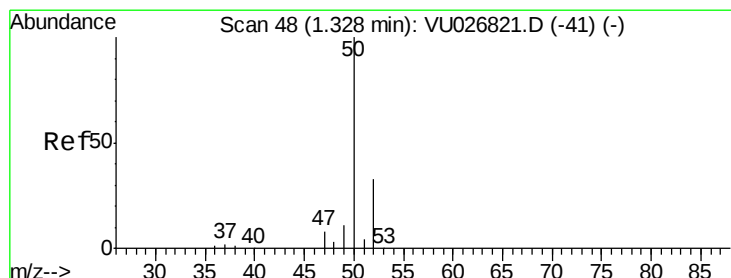
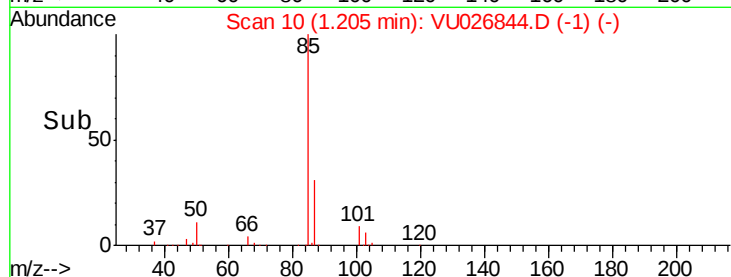
1.21

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.531 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026844.D

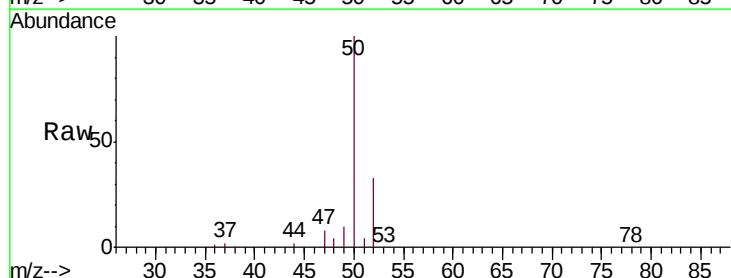
Acq: 18 Sep 2018 07:55

Tgt Ion: 50 Resp: 122678

Ion Ratio Lower Upper

50 100

52 32.8 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU026821.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU026821.D (-41) (-)

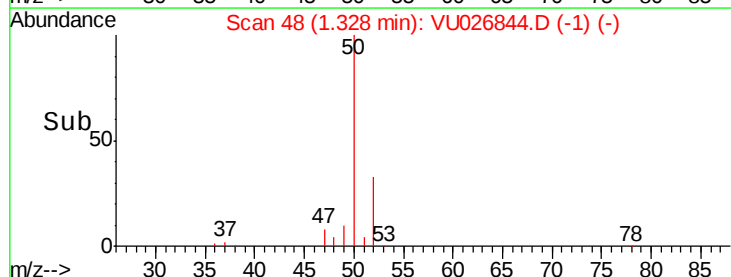
1.33

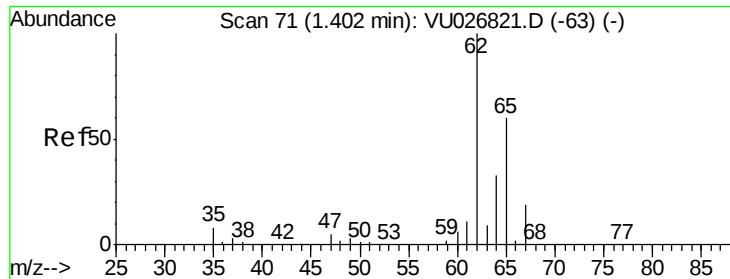
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.120 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

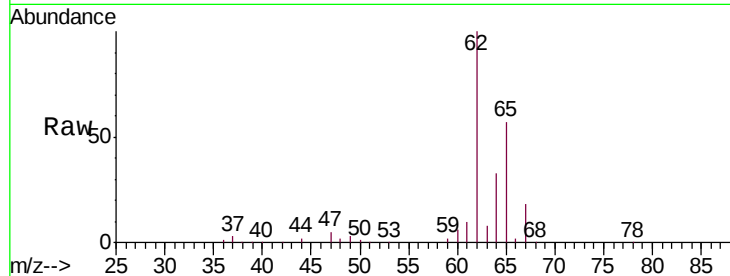
VSTD05046

Tgt Ion: 62 Resp: 120808

Ion Ratio Lower Upper

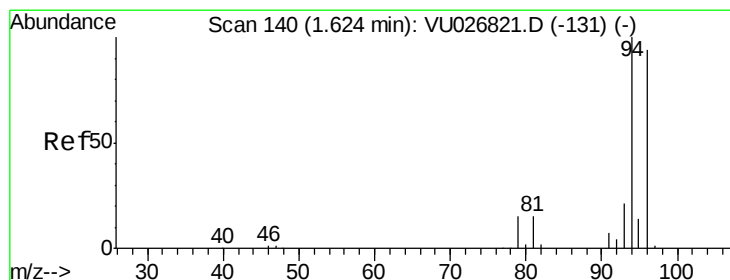
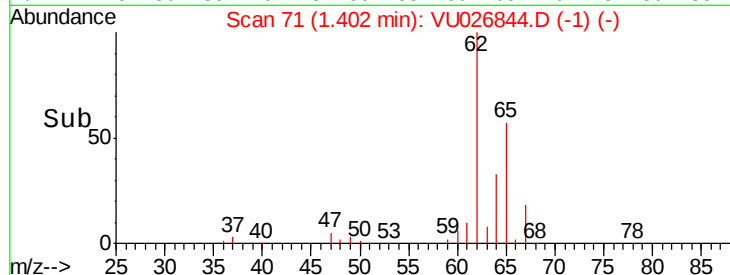
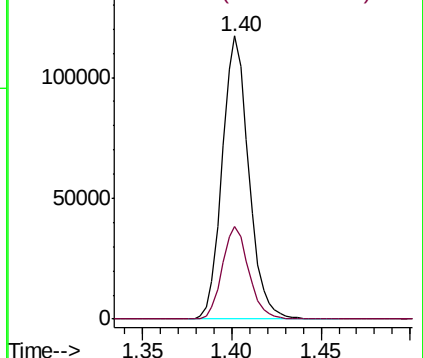
62 100

64 32.7 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: 52.458 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU026844.D

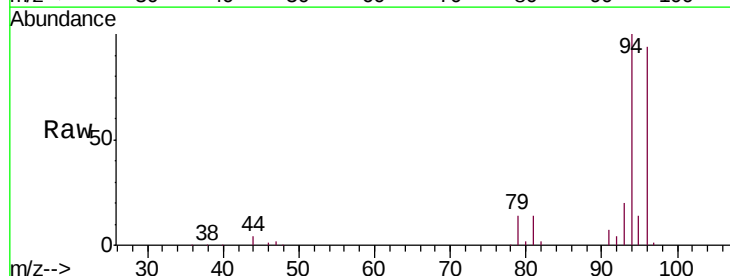
Acq: 18 Sep 2018 07:55

Tgt Ion: 94 Resp: 62452

Ion Ratio Lower Upper

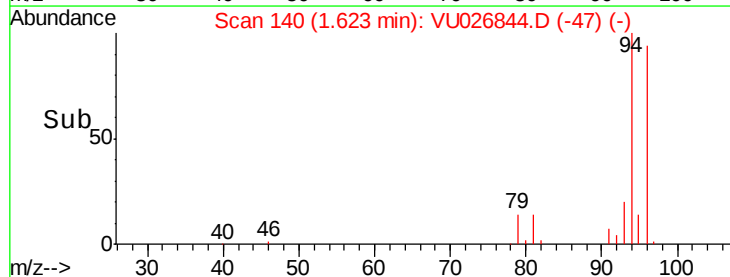
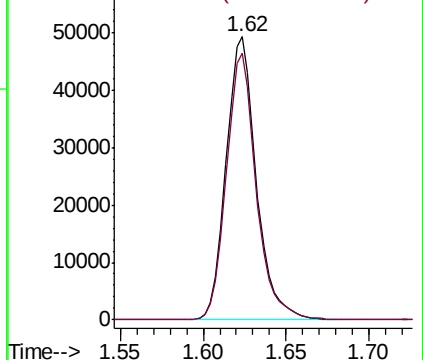
94 100

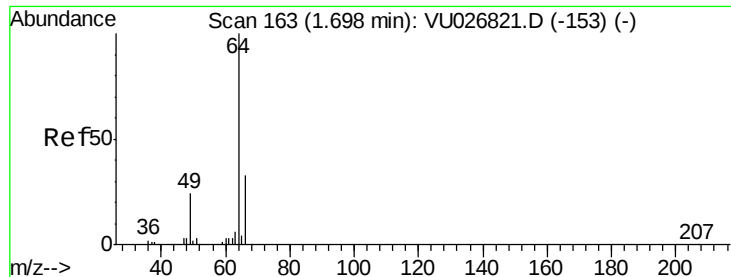
96 94.3 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

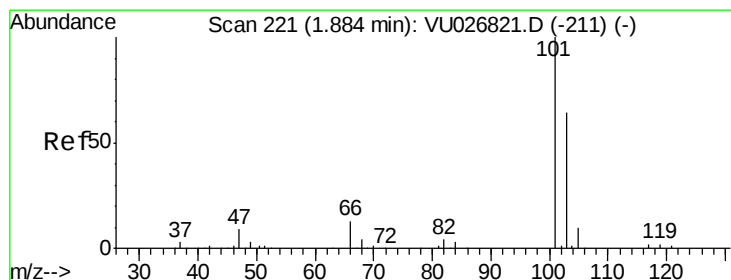
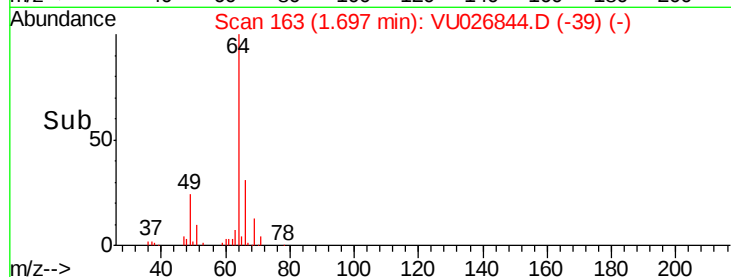
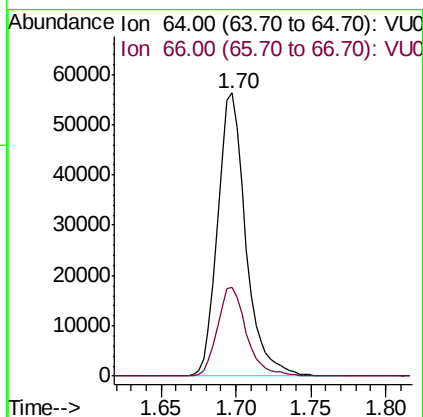
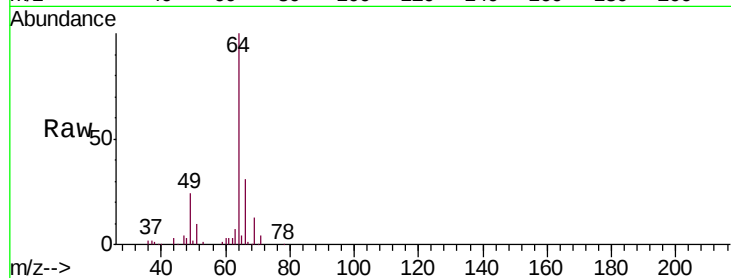




#8
Chloroethane
Concen: 48.898 ug/L
RT: 1.70 min Scan# 163
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

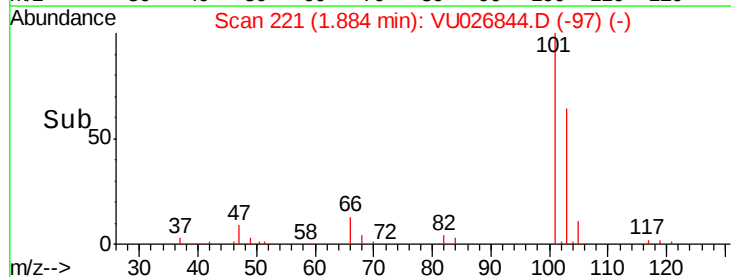
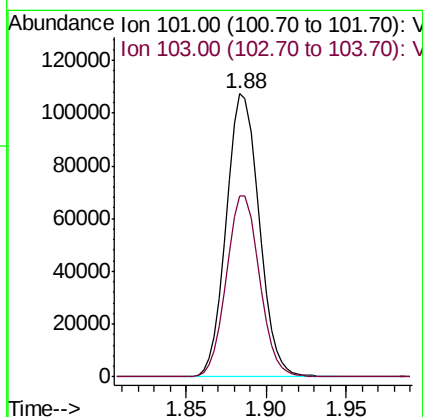
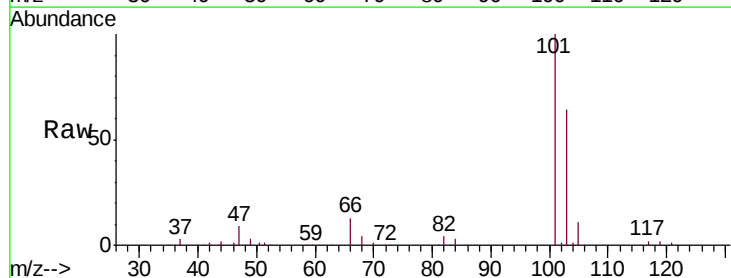
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

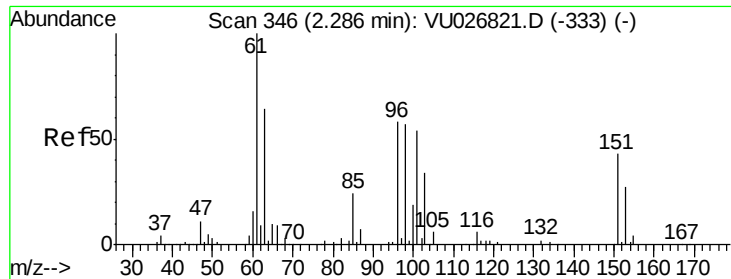
Tgt Ion: 64 Resp: 73859
Ion Ratio Lower Upper
64 100
66 31.5 23.0 42.8



#9
Trichlorofluoromethane
Concen: 50.160 ug/L
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

Tgt Ion: 101 Resp: 150219
Ion Ratio Lower Upper
101 100
103 64.3 51.9 77.9





#10

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

Concen: 50.740 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

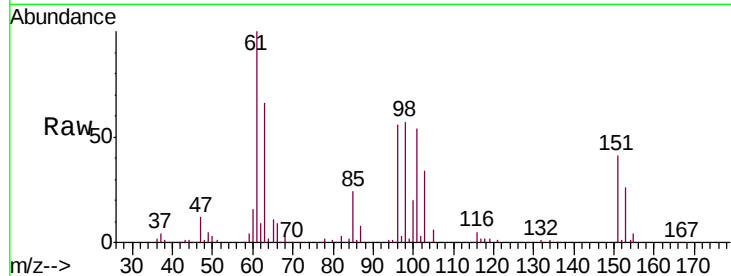
Tgt Ion:101 Resp: 90013

Ion Ratio Lower Upper

101 100

85 43.5 34.6 52.0

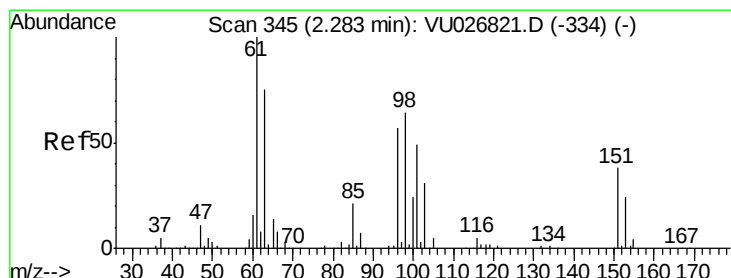
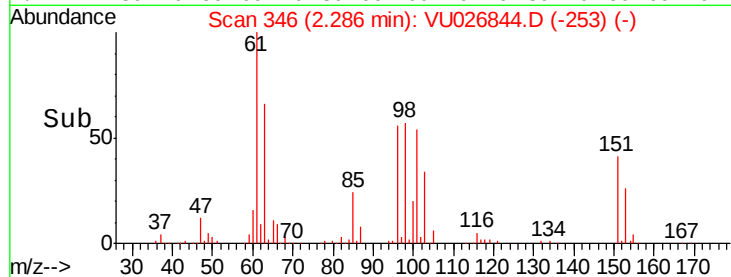
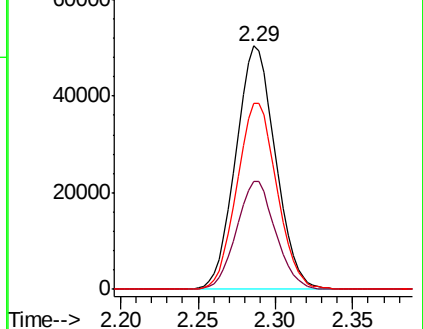
151 77.1 63.0 94.4



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: 48.580 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

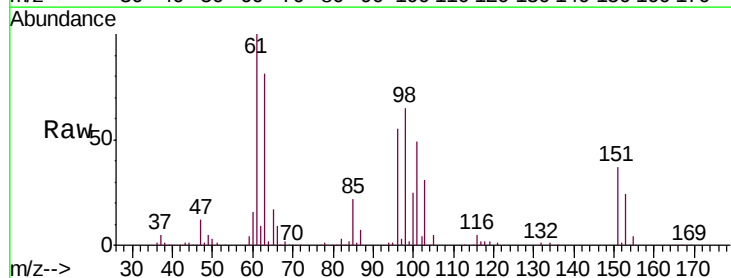
Tgt Ion: 96 Resp: 80940

Ion Ratio Lower Upper

96 100

61 182.0 124.0 230.4

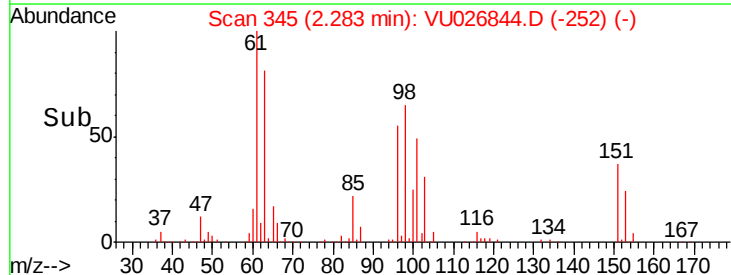
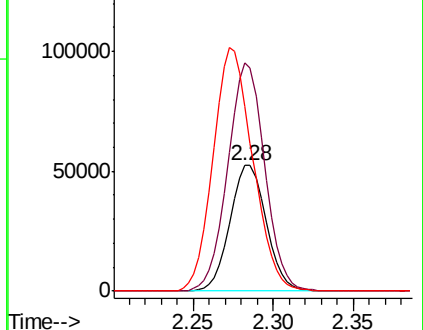
63 147.0 97.7 181.5

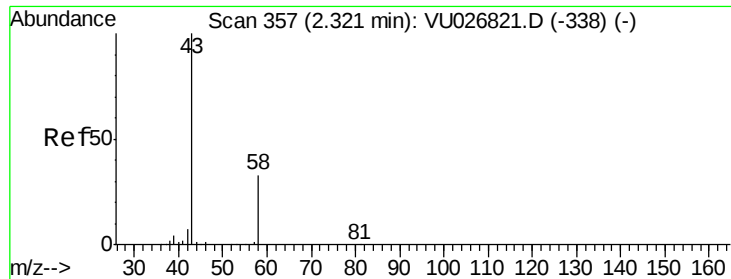


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 125.340 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

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MSVOA_U

ClientSampleId :

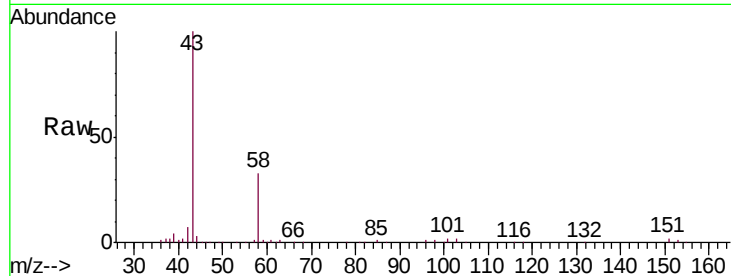
VSTD05046

Tgt Ion: 43 Resp: 155378

Ion Ratio Lower Upper

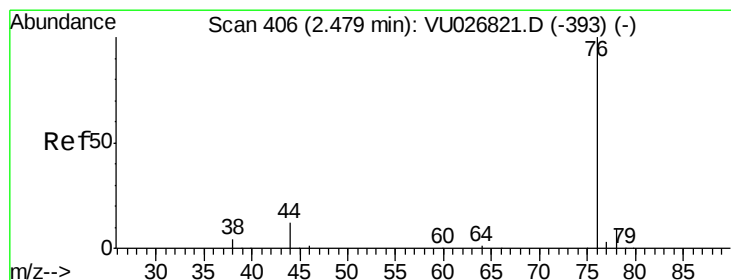
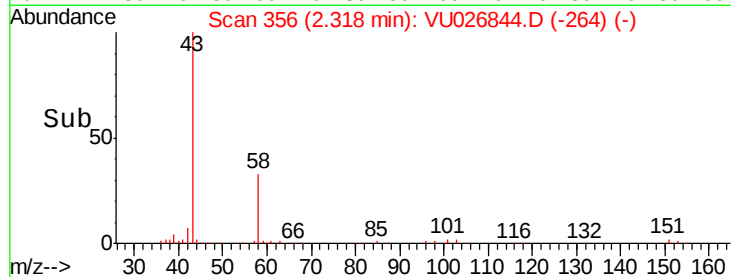
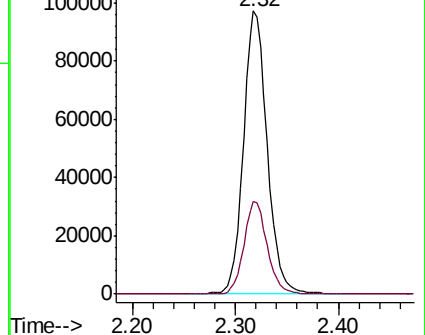
43 100

58 32.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU026821.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU026821.D (-338) (-)



#14

Carbon disulfide

Concen: 48.476 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU026844.D

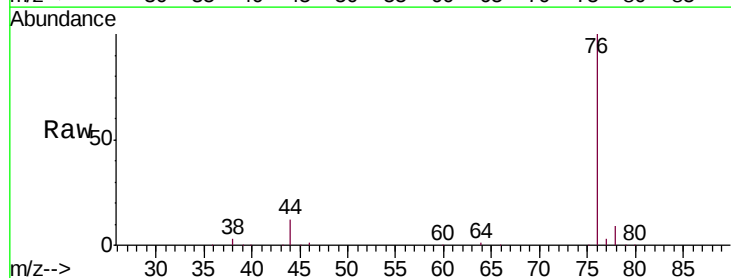
Acq: 18 Sep 2018 07:55

Tgt Ion: 76 Resp: 278715

Ion Ratio Lower Upper

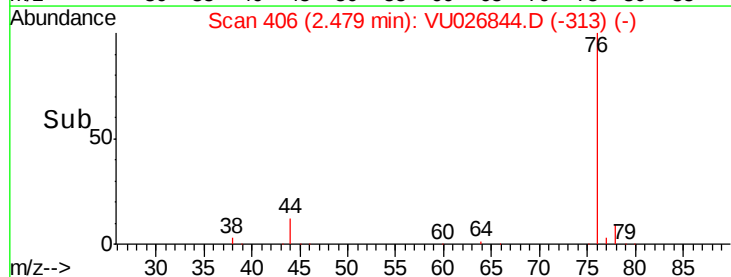
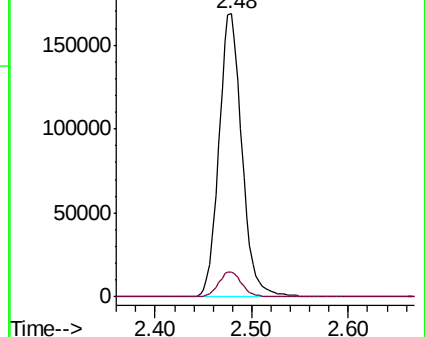
76 100

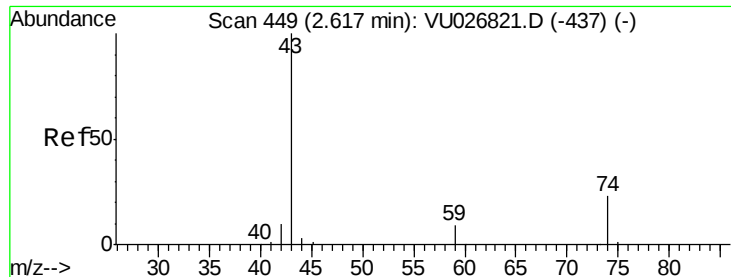
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU026821.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU026821.D (-393) (-)

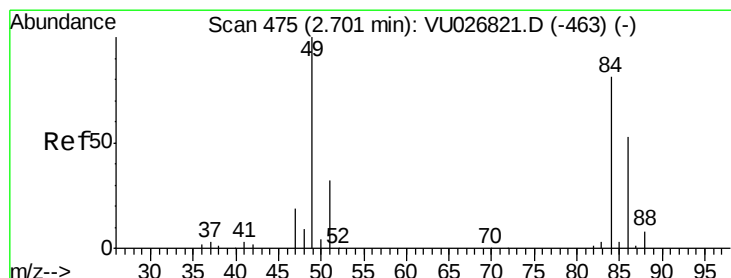
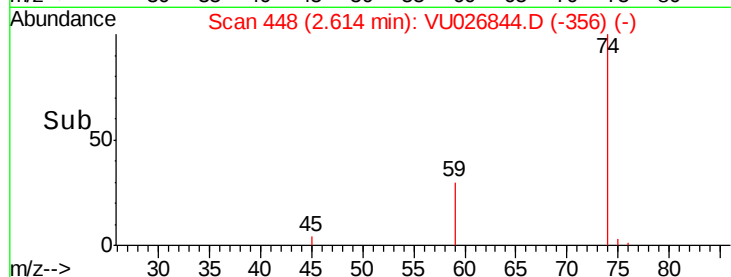
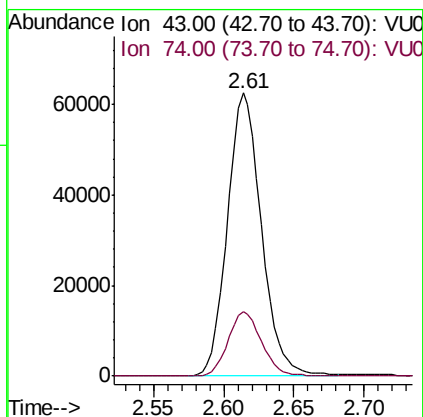
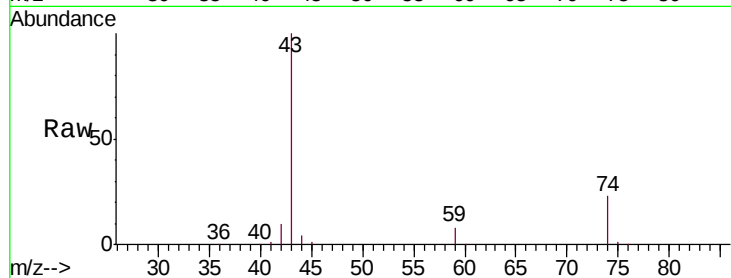




#15
Methyl Acetate
Concen: 49.183 ug/L
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

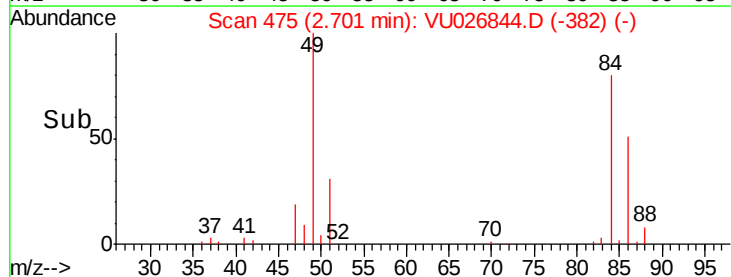
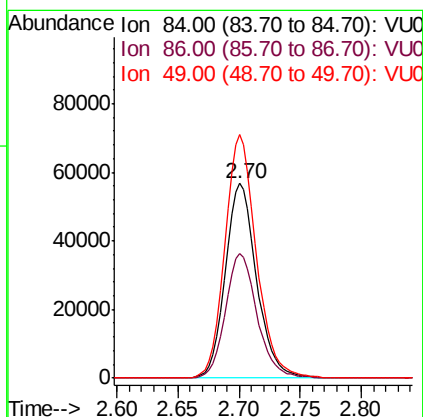
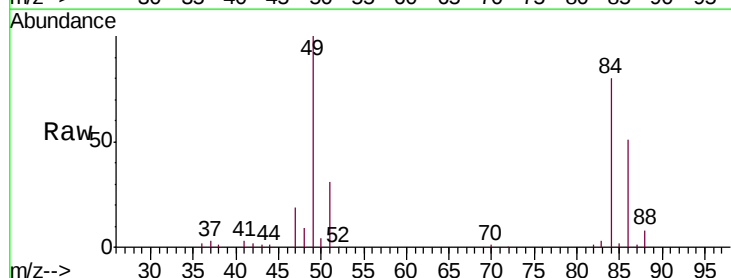
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

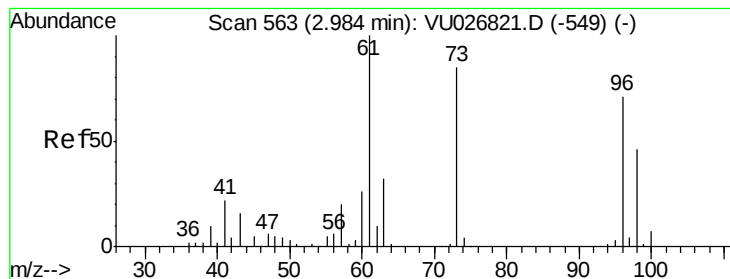
Tgt Ion: 43 Resp: 105637
Ion Ratio Lower Upper
43 100
74 22.5 18.7 28.1



#16
Methylene chloride
Concen: 48.247 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

Tgt Ion: 84 Resp: 102186
Ion Ratio Lower Upper
84 100
86 64.0 45.3 84.1
49 125.1 86.2 160.2





#17

trans-1,2-Dichloroethene

Concen: 49.118 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

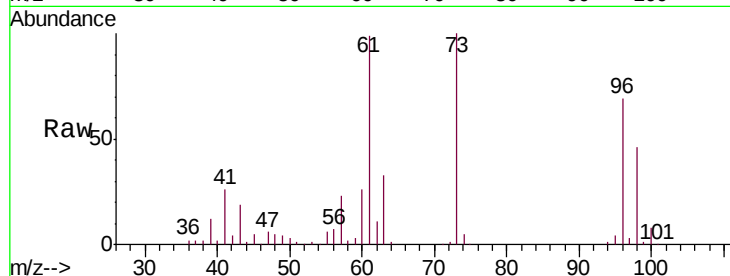
Tgt Ion: 96 Resp: 90131

Ion Ratio Lower Upper

96 100

61 143.2 98.7 183.3

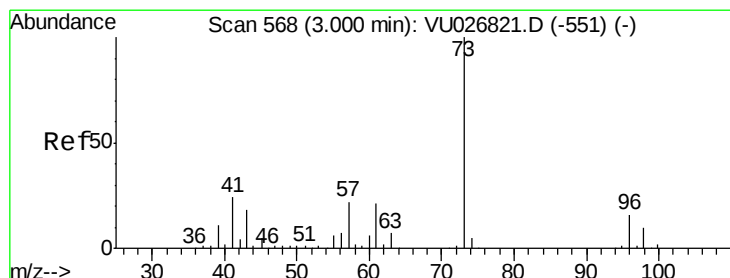
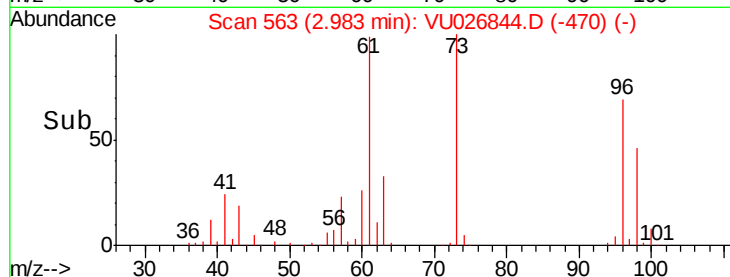
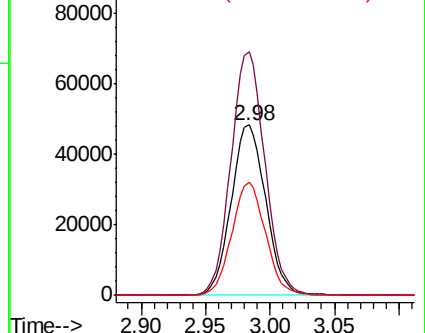
98 66.4 45.2 84.0



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: 51.510 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

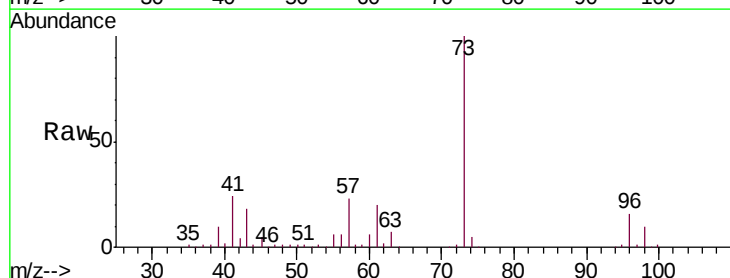
Tgt Ion: 73 Resp: 276407

Ion Ratio Lower Upper

73 100

43 18.8 15.3 22.9

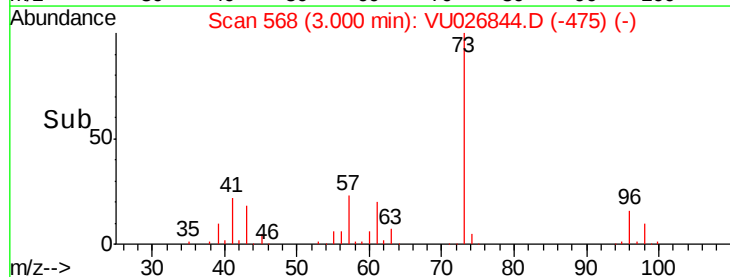
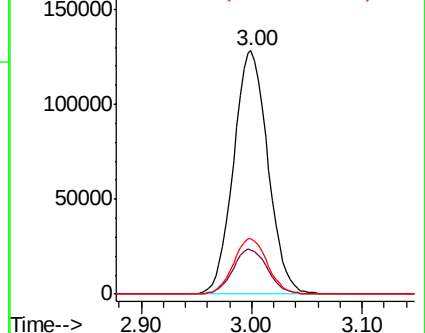
57 22.6 18.1 27.1

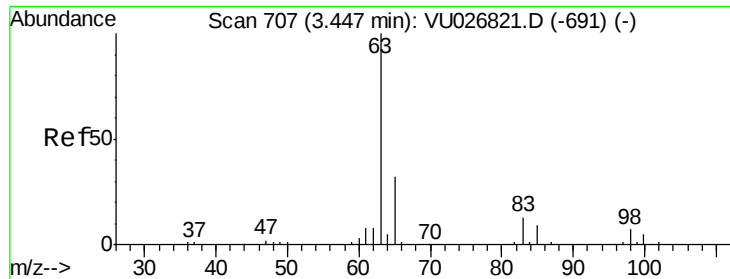


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

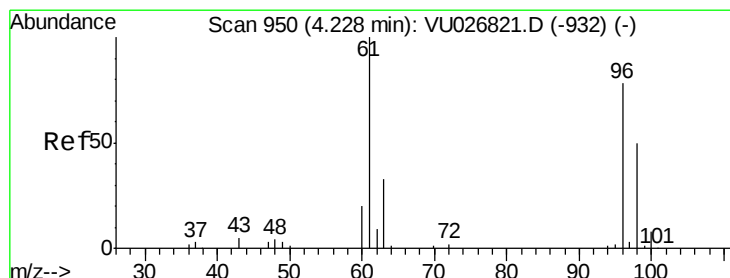
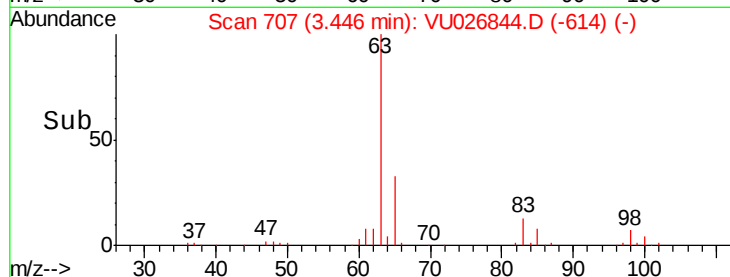
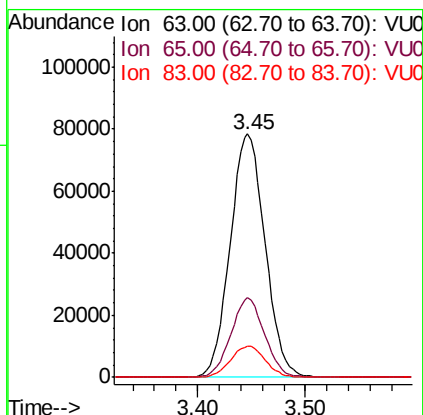
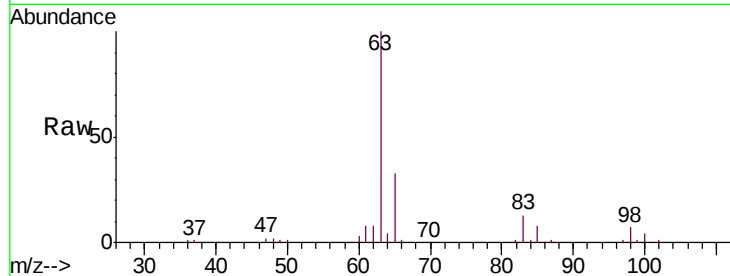




#19
 1,1-Dichloroethane
 Concen: 49.888 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

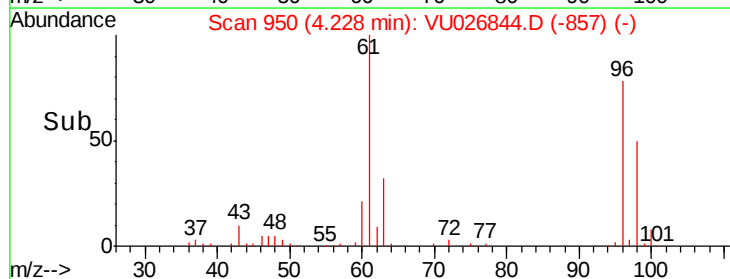
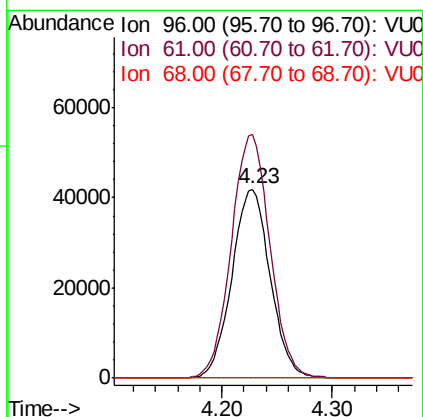
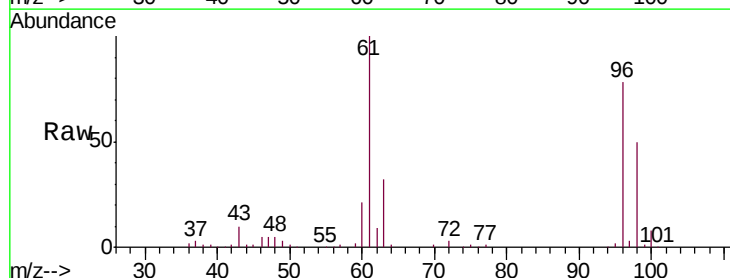
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

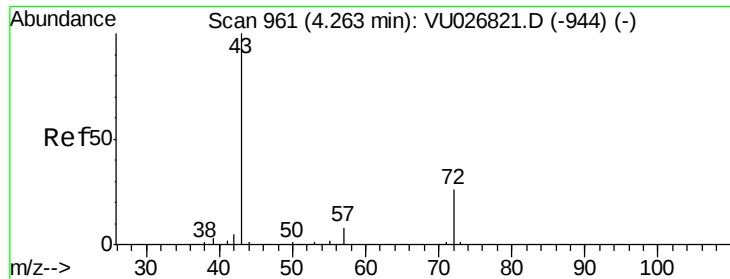
Tgt Ion: 63 Resp: 176566
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.1 41.1
 83 12.8 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.960 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

Tgt Ion: 96 Resp: 100827
 Ion Ratio Lower Upper
 96 100
 61 128.9 90.2 167.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 114.690 ug/L

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

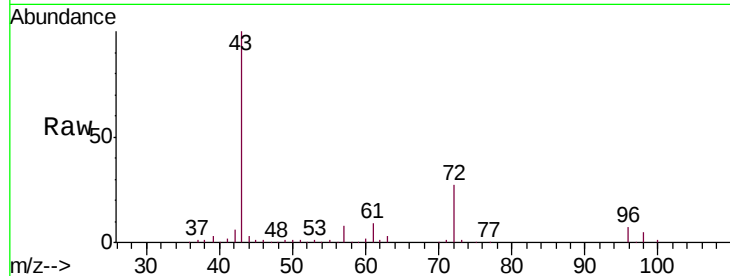
VSTD05046

Tgt Ion: 43 Resp: 175330

Ion Ratio Lower Upper

43 100

72 27.0 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU026821.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU026821.D (-944) (-)

4.26

80000

60000

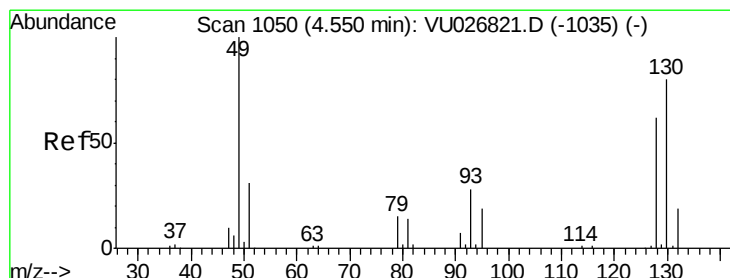
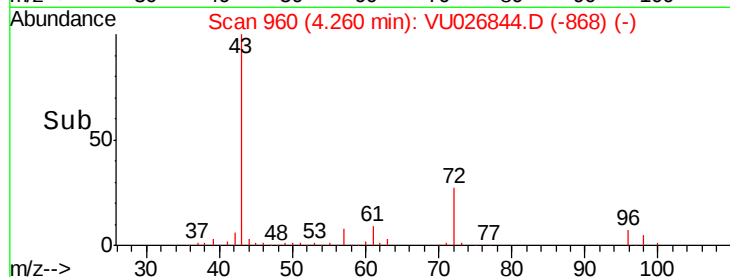
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 49.336 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Tgt Ion: 128 Resp: 53760

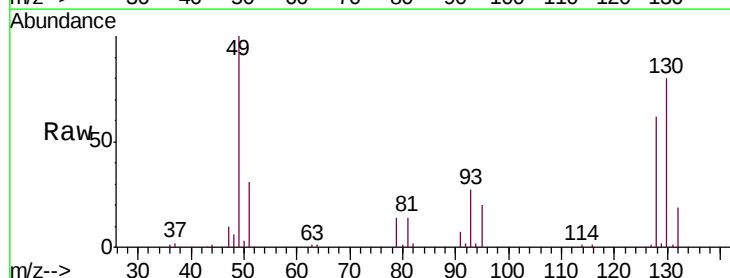
Ion Ratio Lower Upper

128 100

49 161.8 113.0 209.8

130 129.2 89.7 166.5

51 49.7 39.7 59.5



Abundance Ion 128.00 (127.70 to 128.70): VU026821.D (-1035) (-)

Ion 49.00 (48.70 to 49.70): VU026821.D (-1035) (-)

Ion 130.00 (129.70 to 130.70): VU026821.D (-1035) (-)

Ion 51.00 (50.70 to 51.70): VU026821.D (-1035) (-)

4.55

60000

50000

40000

30000

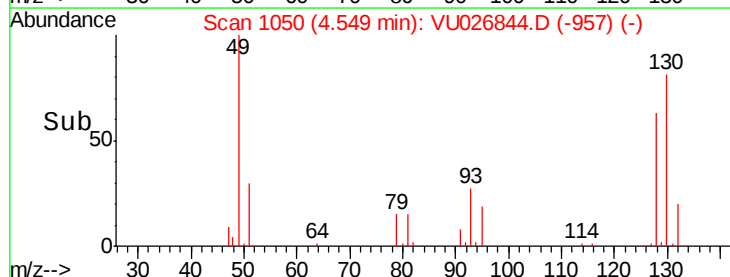
20000

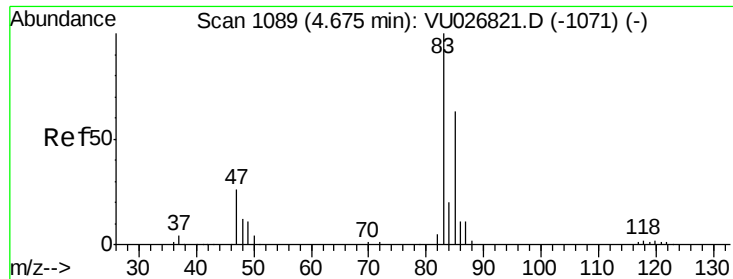
10000

0

4.45 4.50 4.55 4.60 4.65

Time-->

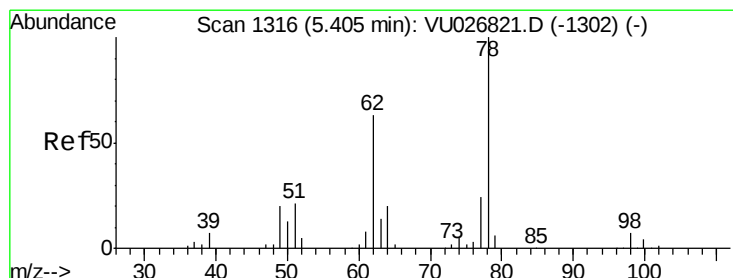
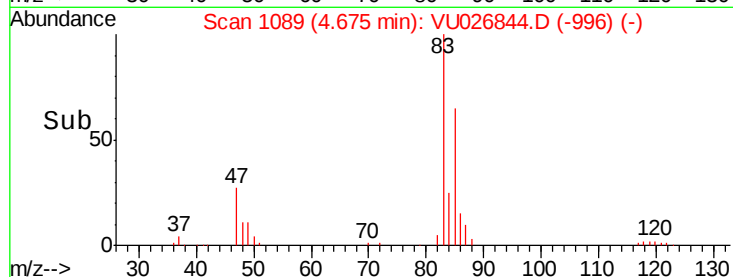
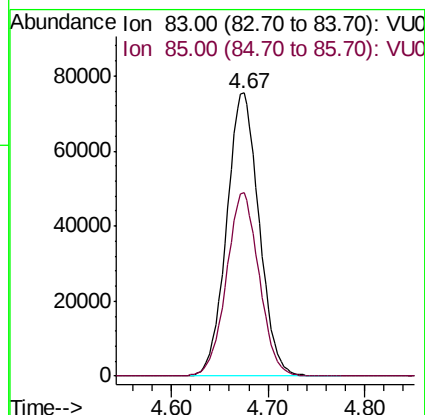
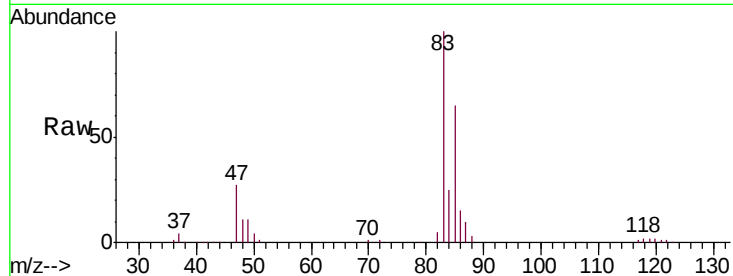




#25
Chloroform
Concen: 48.952 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

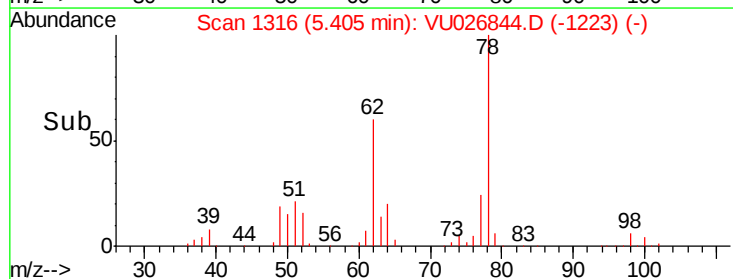
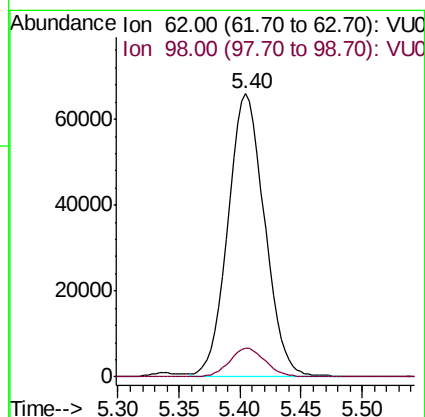
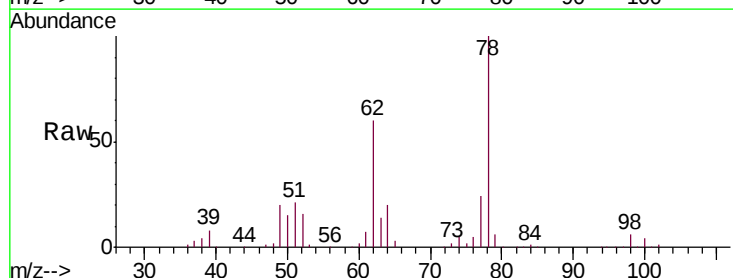
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

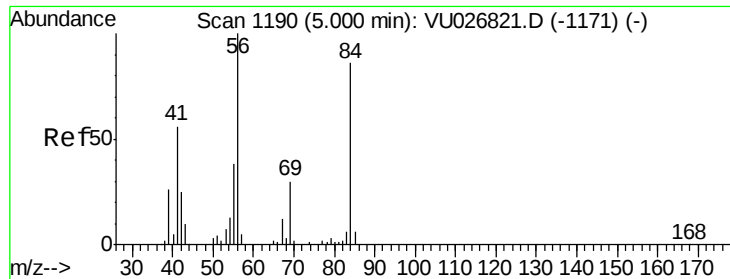
Tgt Ion: 83 Resp: 175480
Ion Ratio Lower Upper
83 100
85 64.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 49.073 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

Tgt Ion: 62 Resp: 137274
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.4

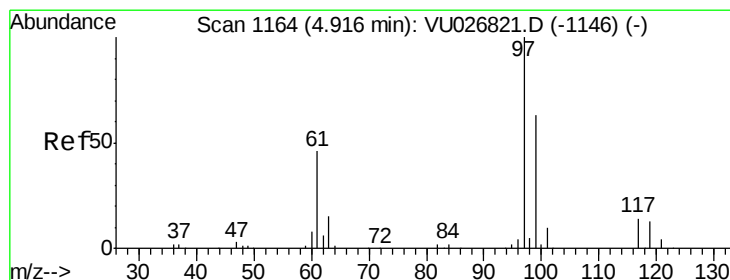
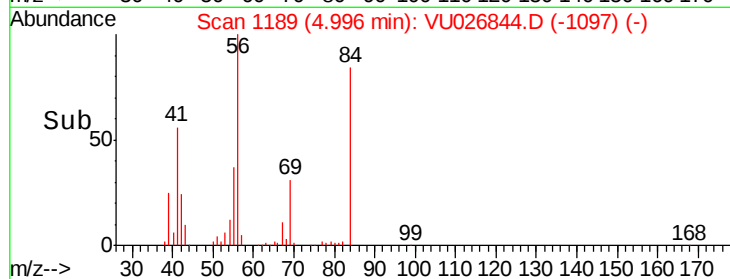
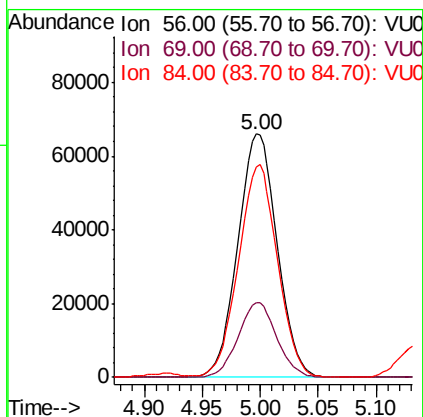
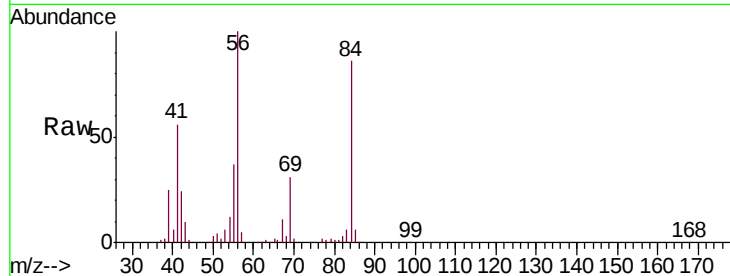




#29
Cyclohexane
Concen: 54.657 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

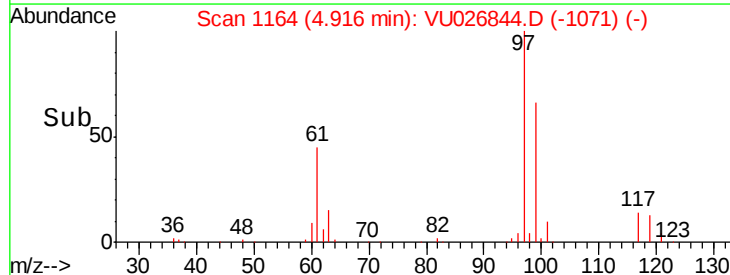
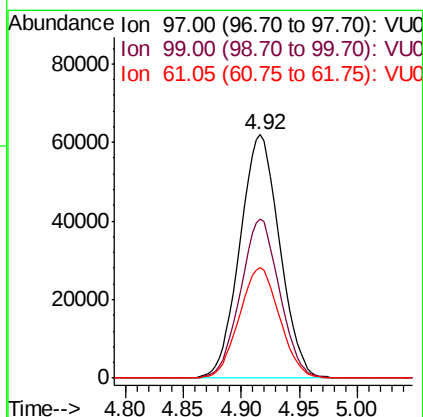
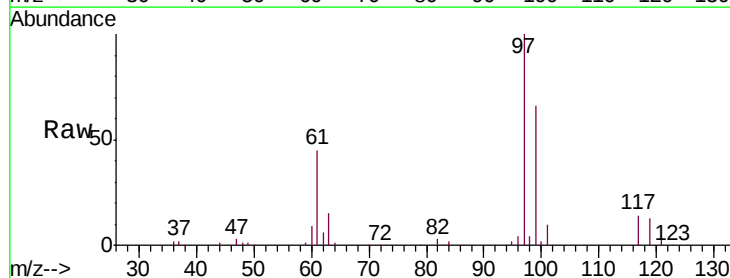
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

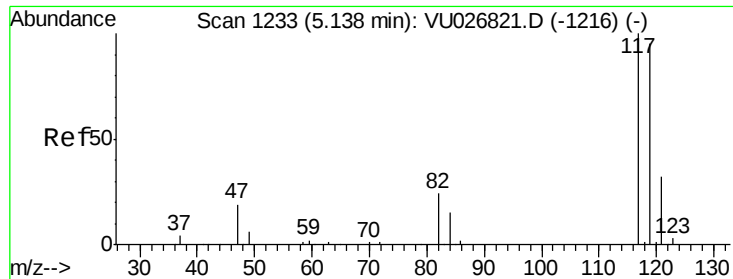
Tgt Ion: 56 Resp: 155528
Ion Ratio Lower Upper
56 100
69 30.1 23.7 35.5
84 87.1 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 50.901 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

Tgt Ion: 97 Resp: 148404
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 46.0 36.6 54.8





#31

Carbon tetrachloride

Concen: 50.244 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

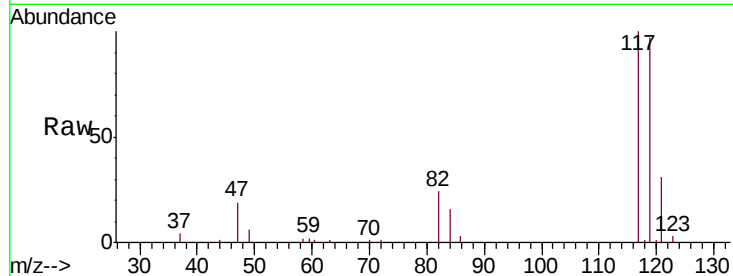
VSTD05046

Tgt Ion:117 Resp: 131273

Ion Ratio Lower Upper

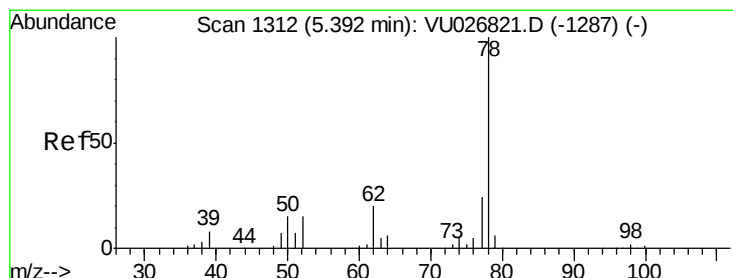
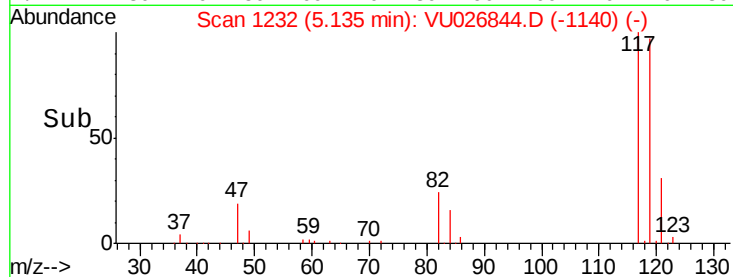
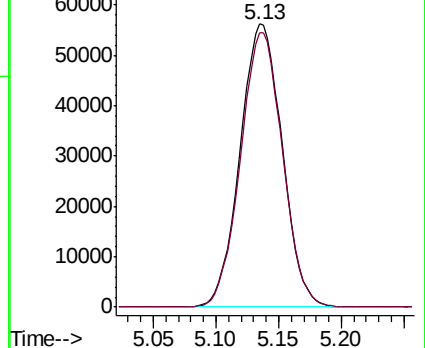
117 100

119 96.6 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: 51.968 ug/L

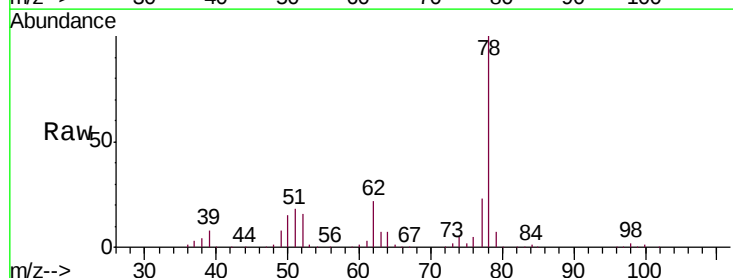
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

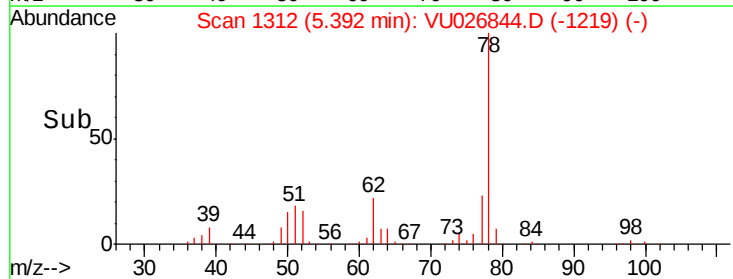
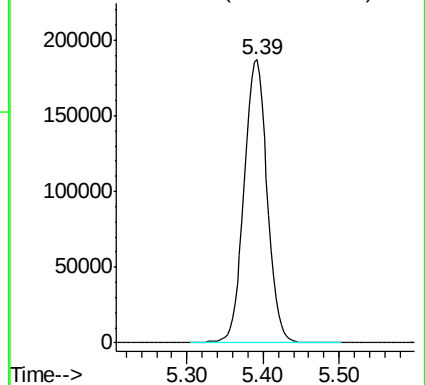
Lab File: VU026844.D

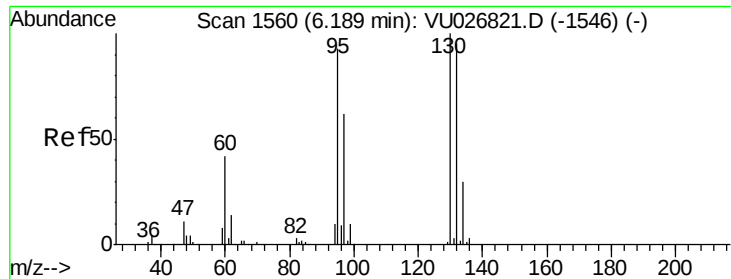
Acq: 18 Sep 2018 07:55

Tgt Ion: 78 Resp: 394863



Abundance Ion 78.00 (77.70 to 78.70): VU0

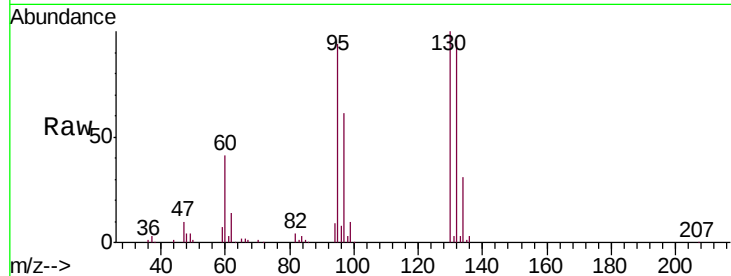




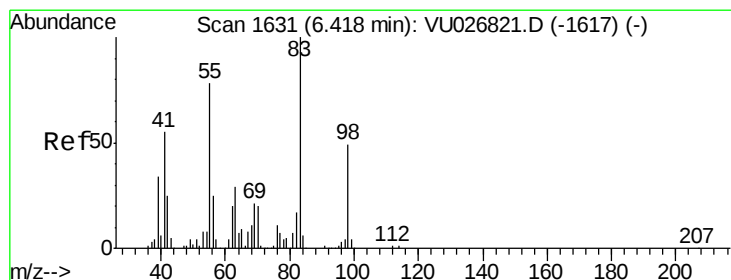
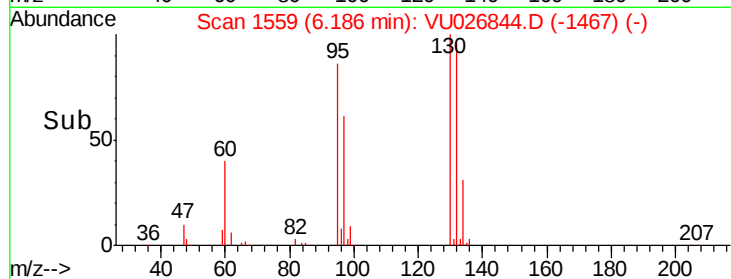
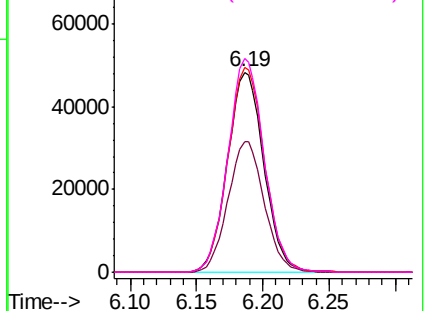
#34
 Trichloroethene
 Concen: 50.620 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion: 95 Resp: 92295
 Ion Ratio Lower Upper
 95 100
 97 65.7 46.3 85.9
 132 102.5 71.7 133.1
 130 106.9 75.3 139.8

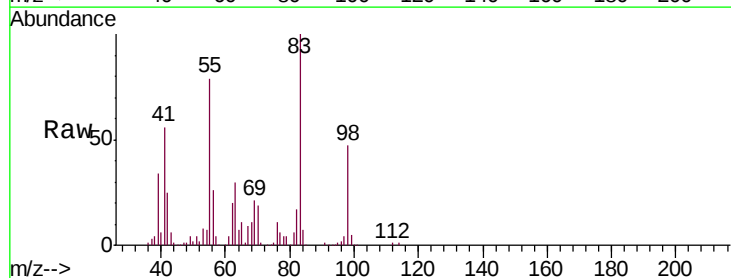


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

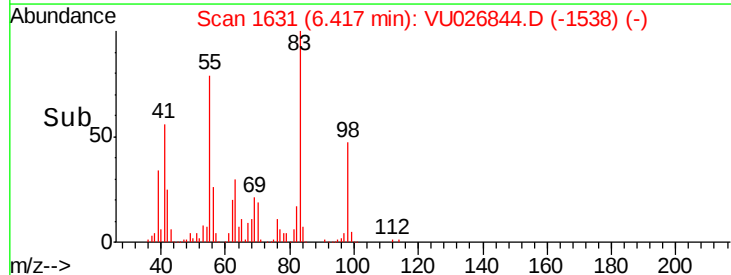
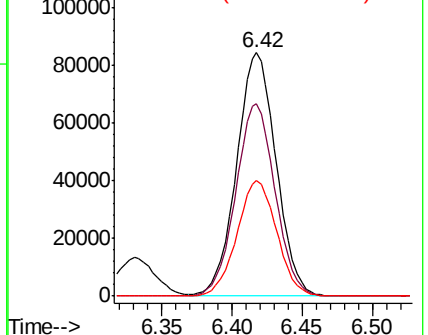


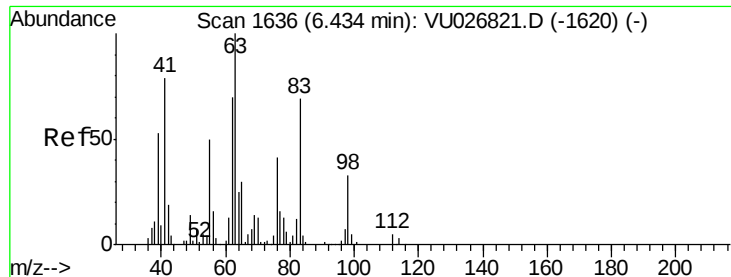
#35
 Methylcyclohexane
 Concen: 55.498 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

Tgt Ion: 83 Resp: 164948
 Ion Ratio Lower Upper
 83 100
 55 79.1 61.7 92.5
 98 47.8 38.3 57.5



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: 51.824 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

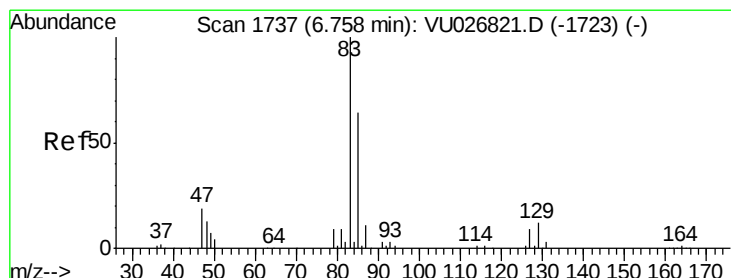
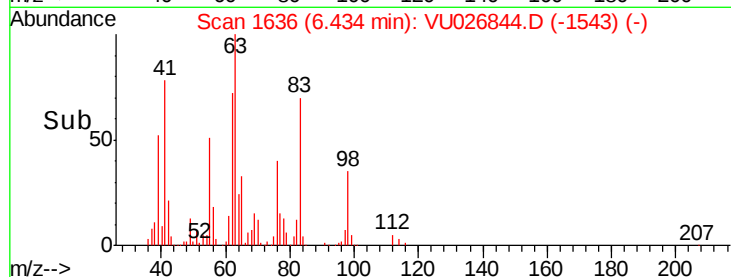
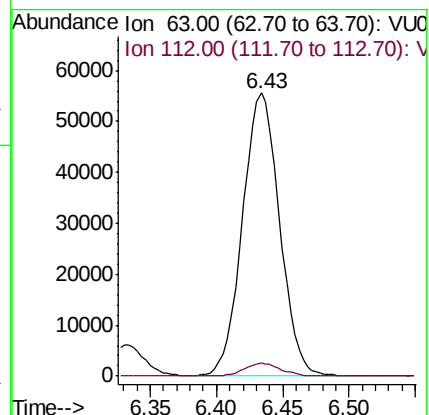
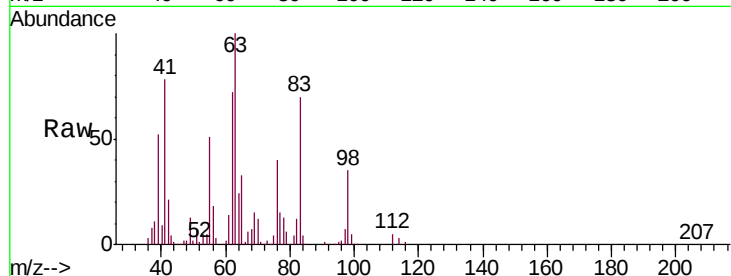
VSTD05046

Tgt Ion: 63 Resp: 108168

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 50.394 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

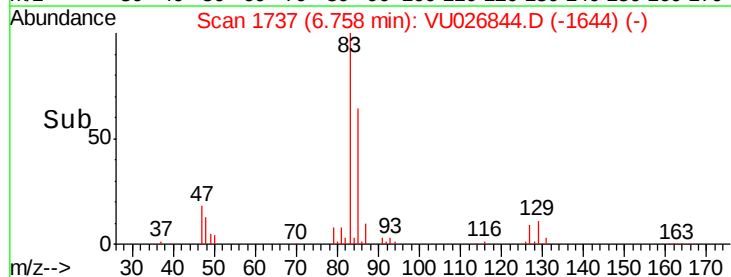
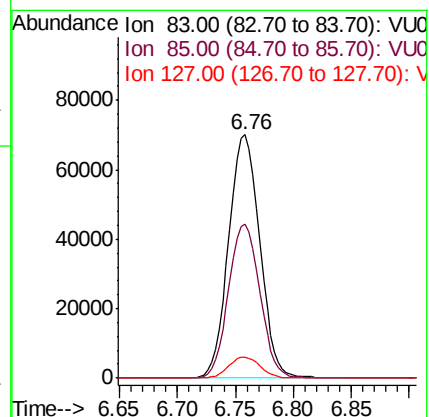
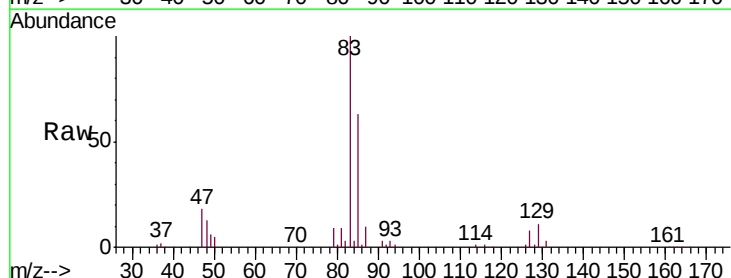
Tgt Ion: 83 Resp: 130442

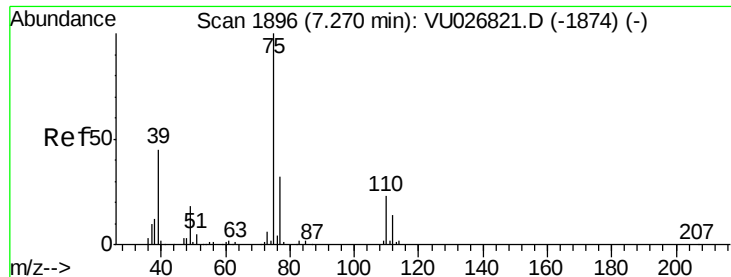
Ion Ratio Lower Upper

83 100

85 63.4 44.5 82.7

127 8.5 6.9 10.3

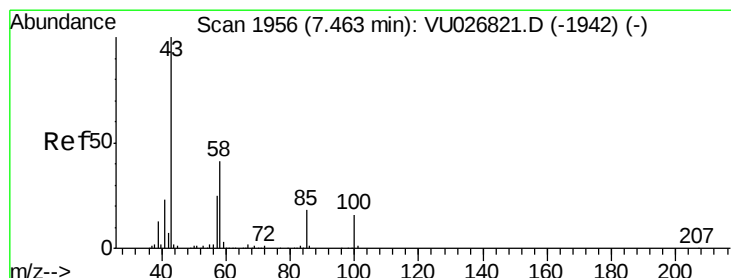
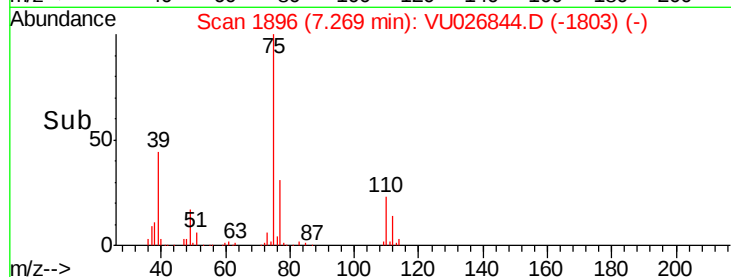
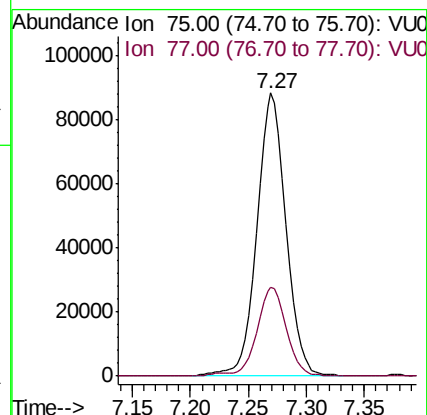
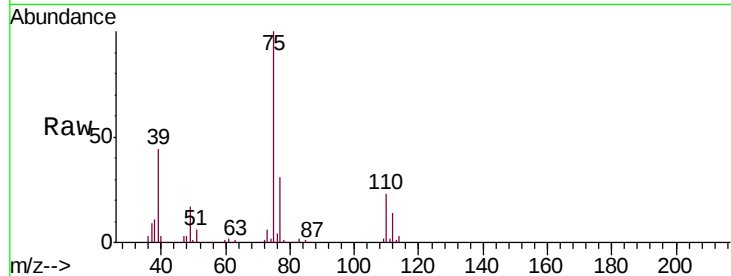




#39
 cis-1,3-Dichloropropene
 Concen: 52.443 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

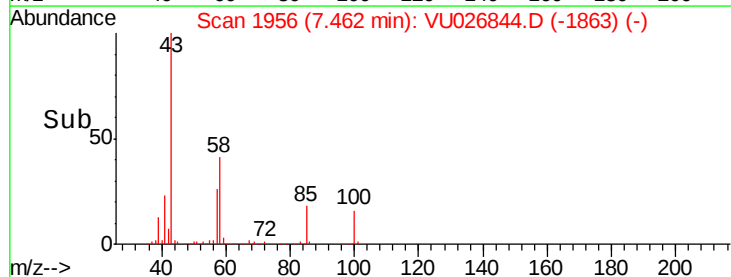
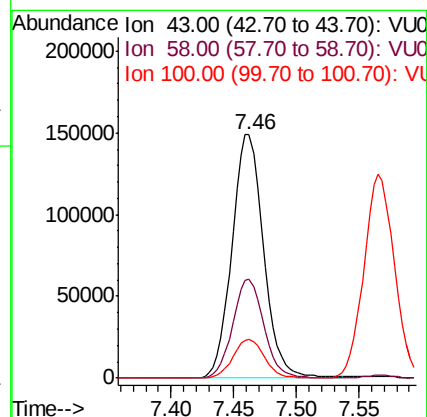
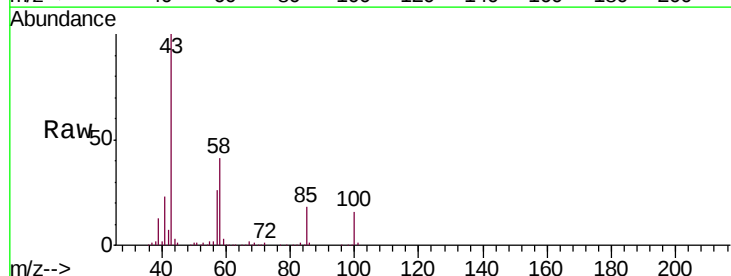
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

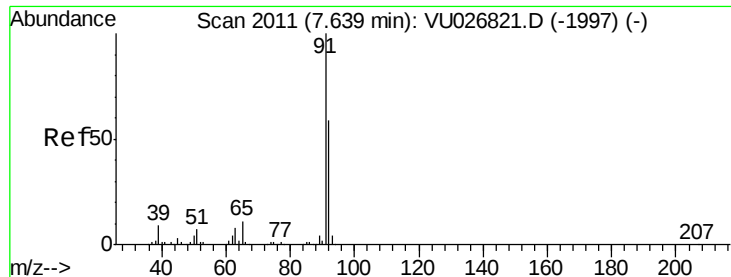
Tgt Ion: 75 Resp: 154622
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 105.302 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

Tgt Ion: 43 Resp: 261156
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.0 48.0
 100 15.8 12.6 19.0





#42

Toluene

Concen: 52.749 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

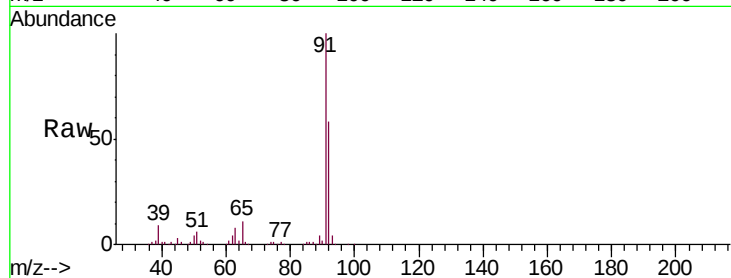
VSTD05046

Tgt Ion: 91 Resp: 405594

Ion Ratio Lower Upper

91 100

92 58.0 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU026821.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU026821.D (-1997) (-)

7.64

250000

200000

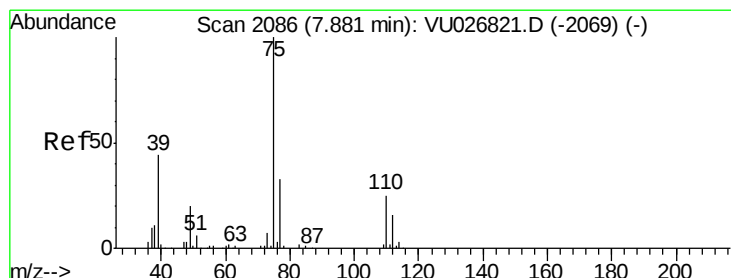
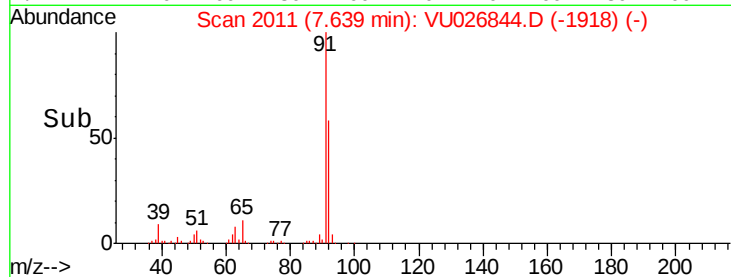
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70



#44

trans-1,3-Dichloropropene

Concen: 52.050 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026844.D

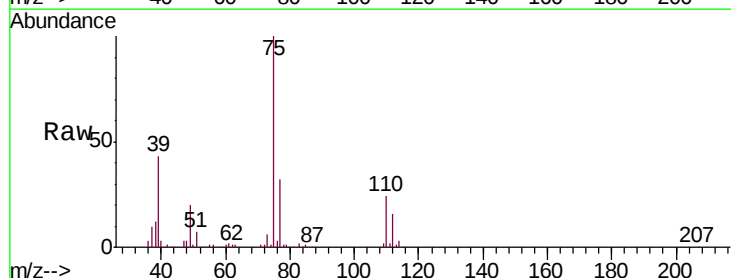
Acq: 18 Sep 2018 07:55

Tgt Ion: 75 Resp: 143692

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU026821.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU026821.D (-2069) (-)

100000

80000

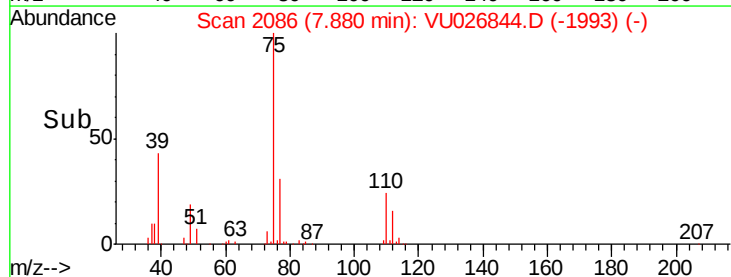
60000

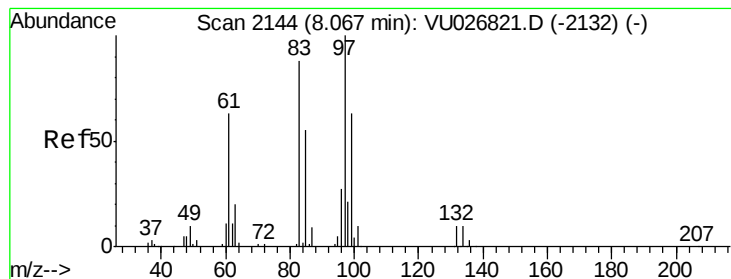
40000

20000

0

Time--> 7.80 7.90 8.00





#45

1,1,2-Trichloroethane

Concen: 50.680 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

Tgt Ion: 97 Resp: 96441

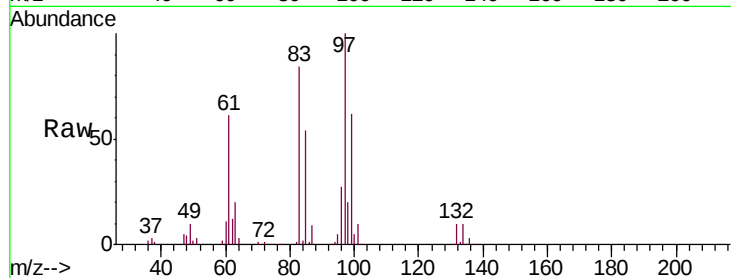
Ion Ratio Lower Upper

97 100

99 62.0 44.3 82.3

83 84.2 61.5 114.1

85 54.0 38.6 71.6

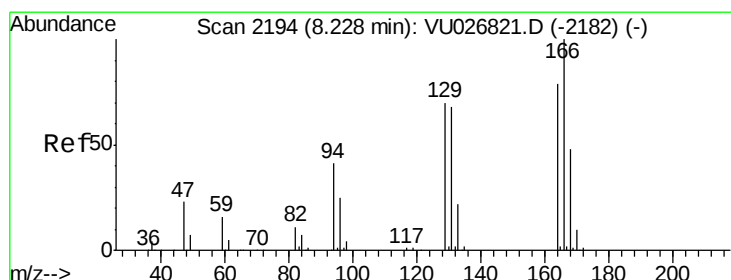
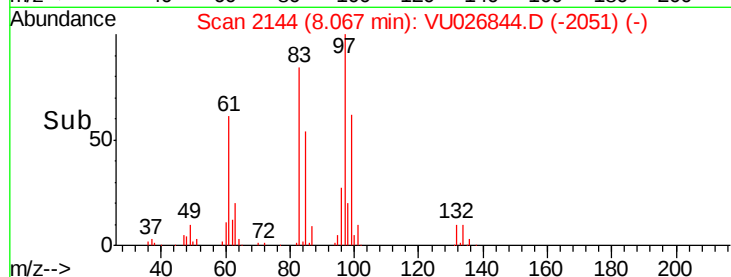
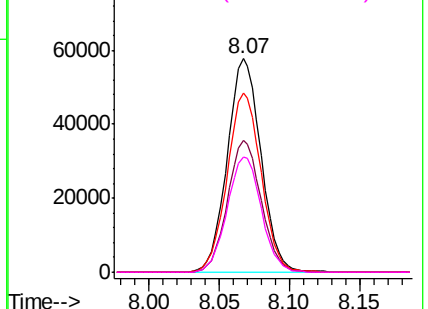


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 51.385 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Tgt Ion: 164 Resp: 83055

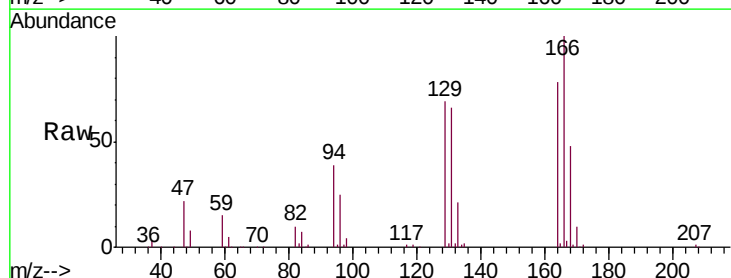
Ion Ratio Lower Upper

164 100

129 88.6 62.2 115.4

131 84.7 60.5 112.5

166 127.8 89.0 165.2

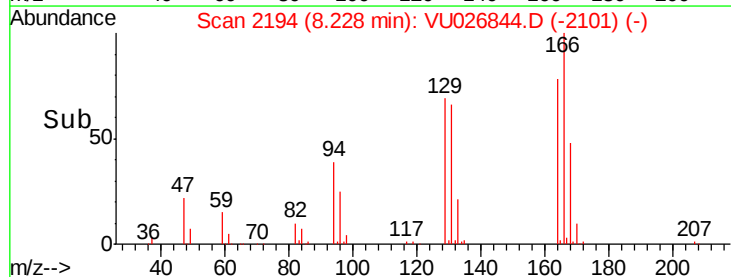
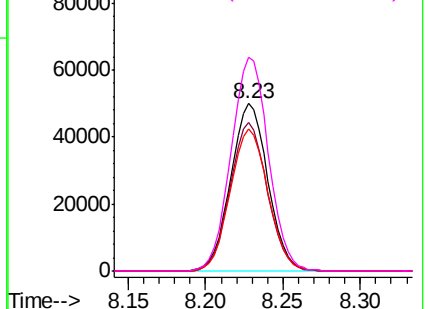


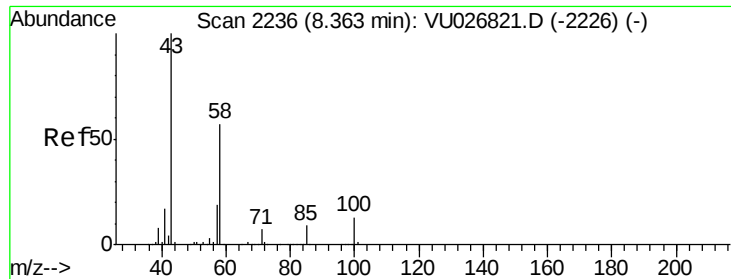
Abundance Ion 164.00 (163.70 to 164.70): V

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

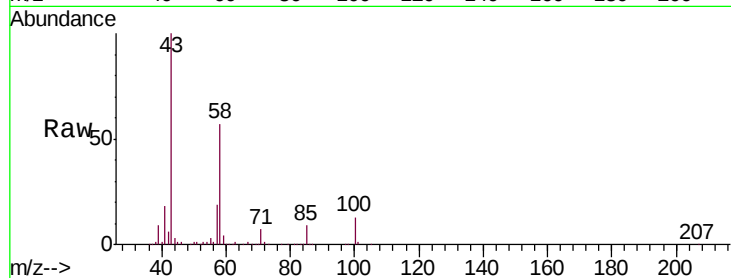




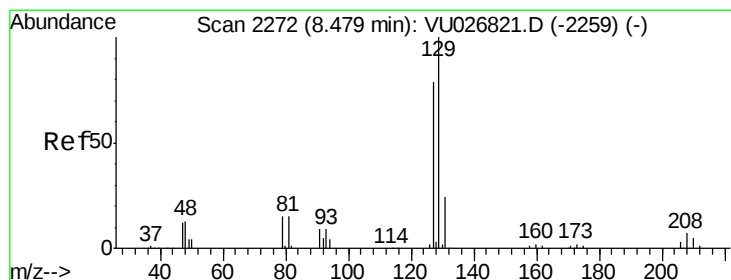
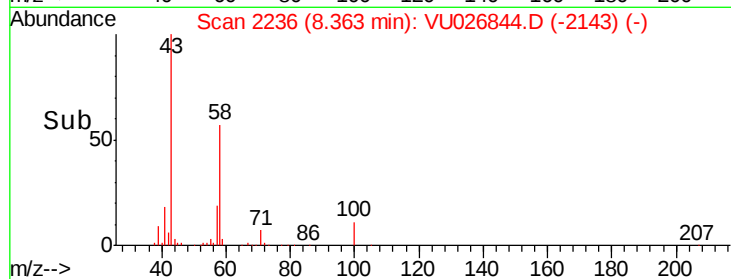
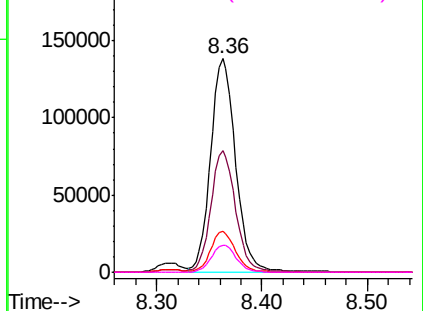
#48
2-Hexanone
Concen: 114.479 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion:	43	Resp:	229016
Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.9	67.3
57	18.9	15.4	23.2
100	12.7	10.2	15.4

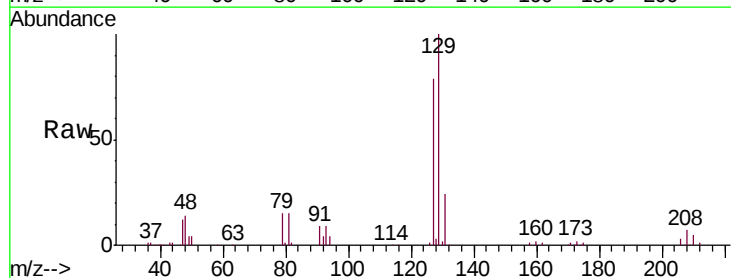


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

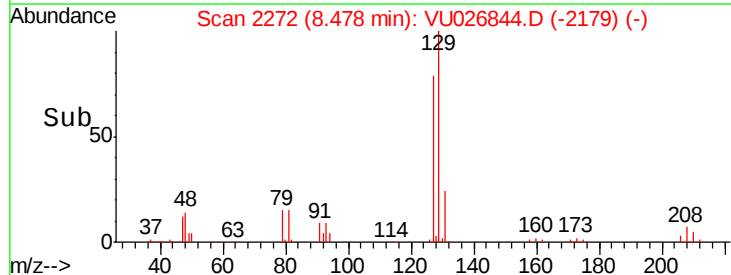
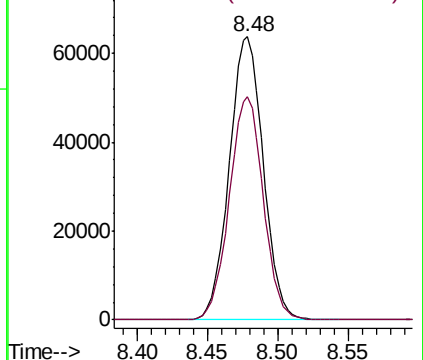


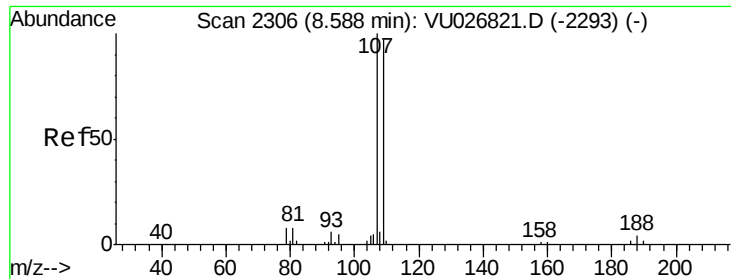
#49
Dibromochloromethane
Concen: 49.942 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

Tgt Ion:	129	Resp:	107577
Ion	Ratio	Lower	Upper
129	100		
127	78.9	55.2	102.4



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

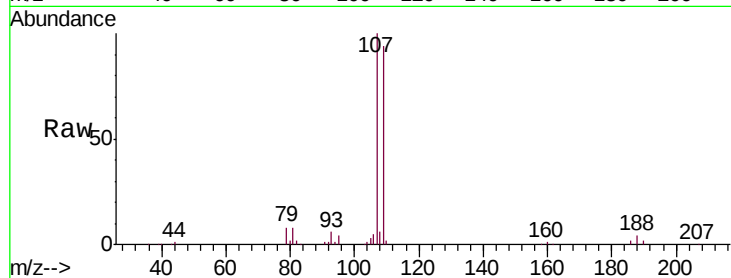




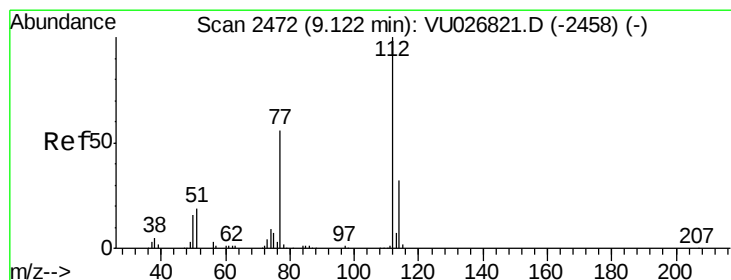
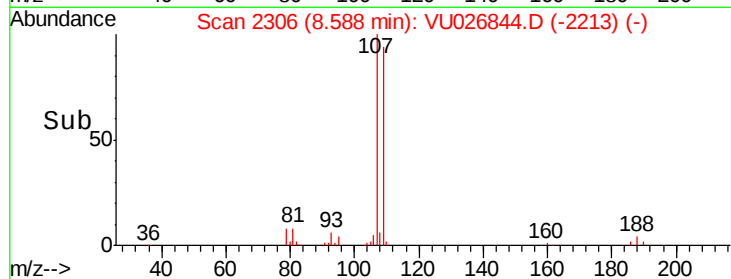
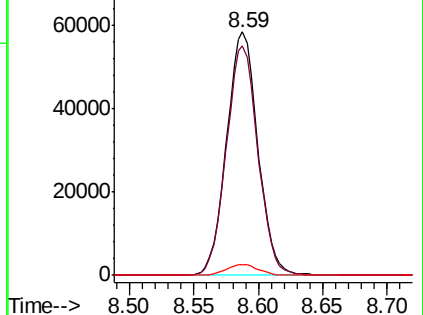
#50
 1,2-Dibromoethane
 Concen: 49.711 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	67.8	125.8
188	4.4	3.2	4.8

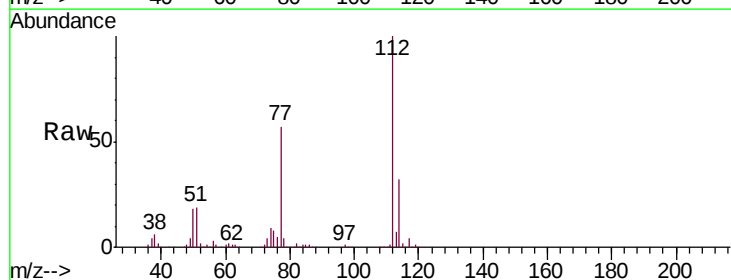


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

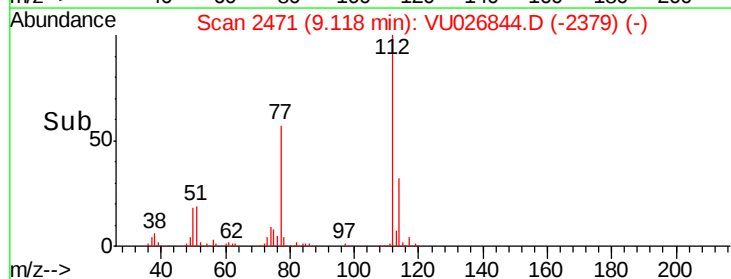
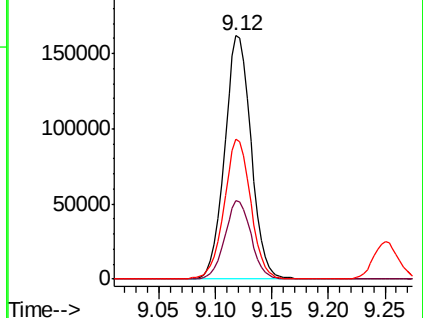


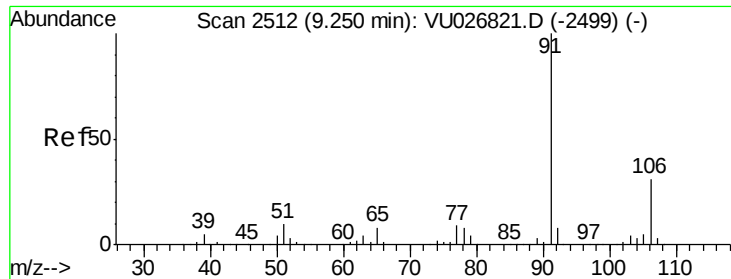
#51
 Chlorobenzene
 Concen: 50.450 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.5
77	57.3	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: 53.761 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

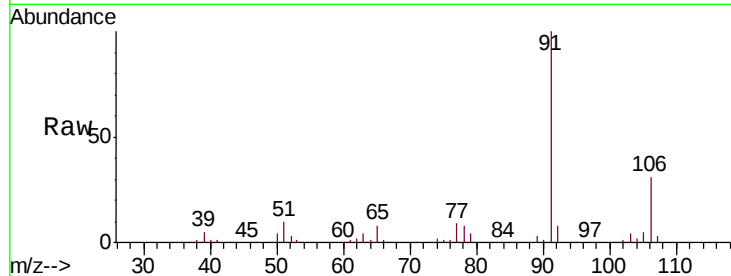
VSTD05046

Tgt Ion: 91 Resp: 433011

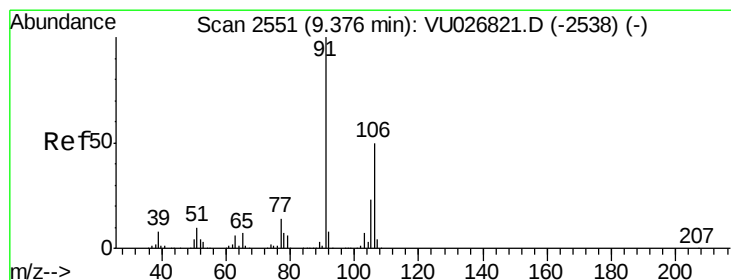
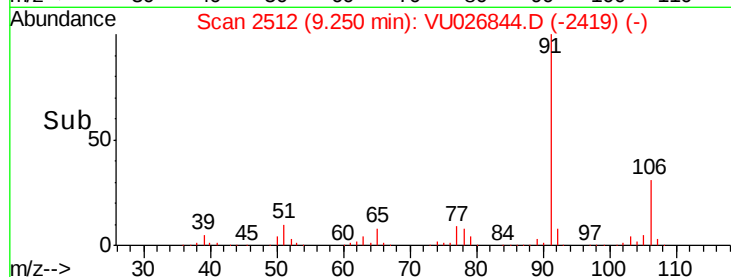
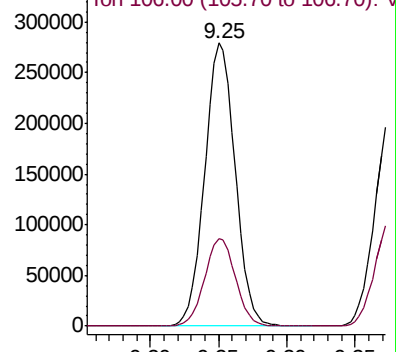
Ion Ratio Lower Upper

91 100

106 30.9 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU026821.D (-2499) (-)



#53

m,p-Xylene

Concen: 55.085 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026844.D

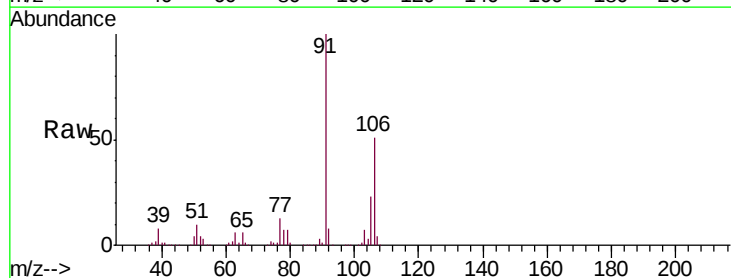
Acq: 18 Sep 2018 07:55

Tgt Ion: 106 Resp: 170561

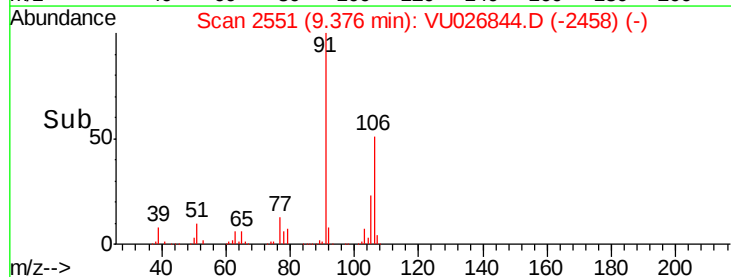
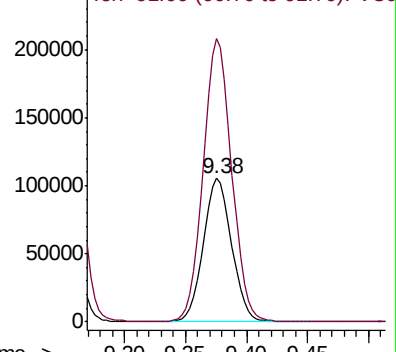
Ion Ratio Lower Upper

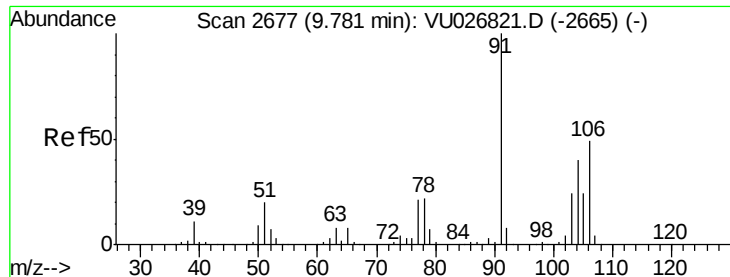
106 100

91 197.4 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): VU026821.D (-2538) (-)





#54

o-xylene

Concen: 54.086 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

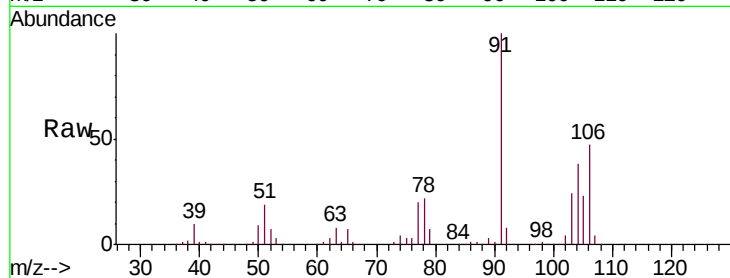
VSTD05046

Tgt Ion:106 Resp: 163170

Ion Ratio Lower Upper

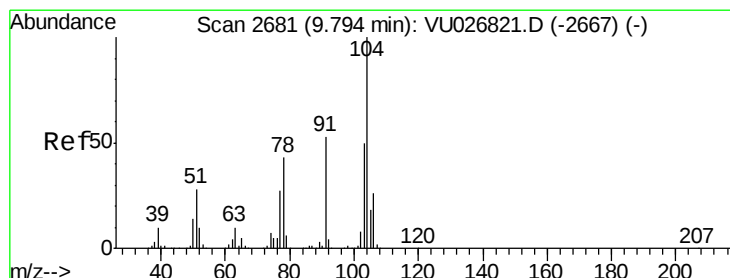
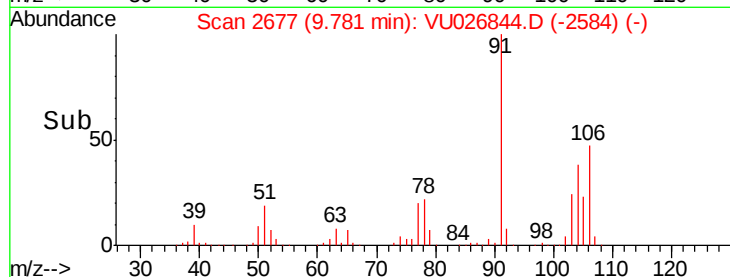
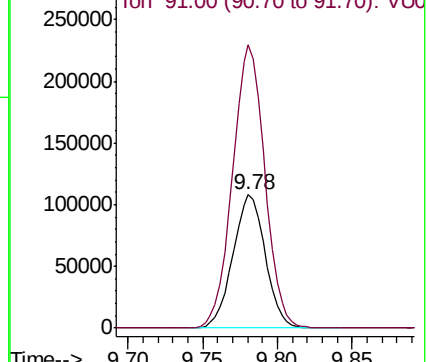
106 100

91 212.5 143.1 265.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 55.705 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026844.D

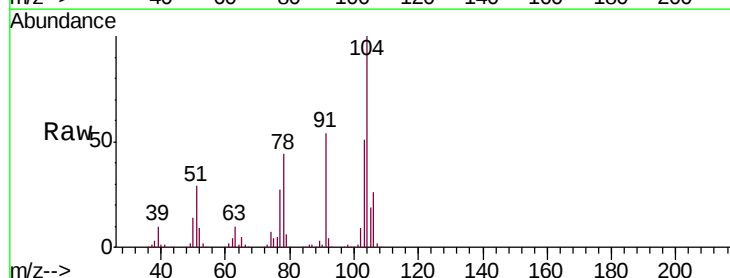
Acq: 18 Sep 2018 07:55

Tgt Ion:104 Resp: 290145

Ion Ratio Lower Upper

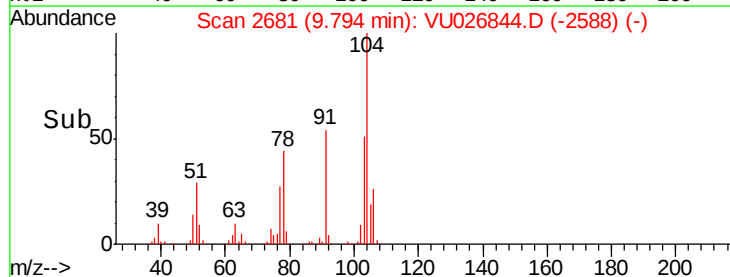
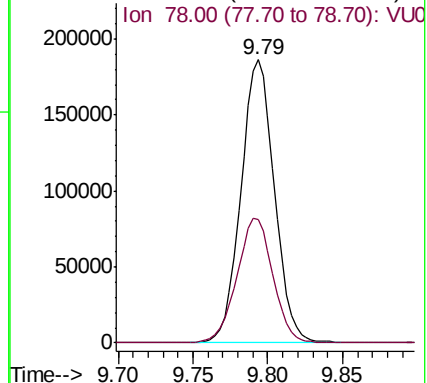
104 100

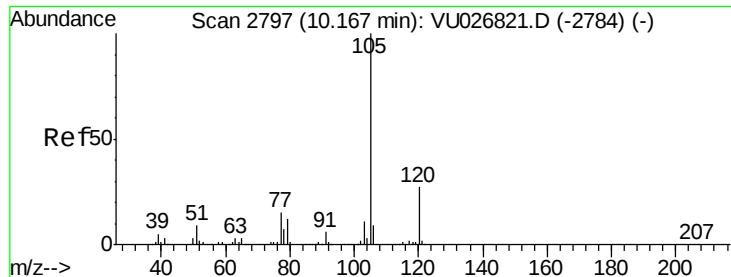
78 43.7 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

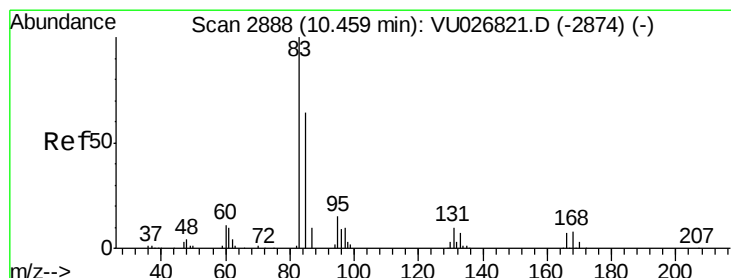
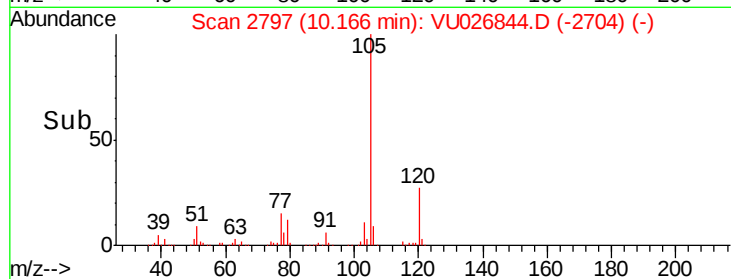
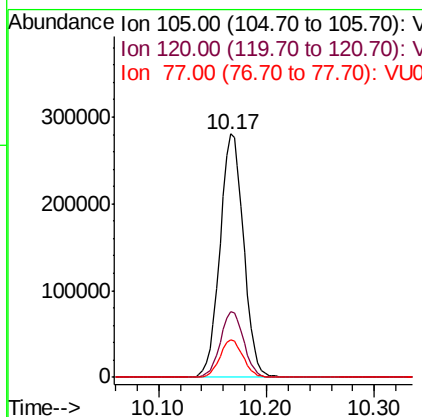
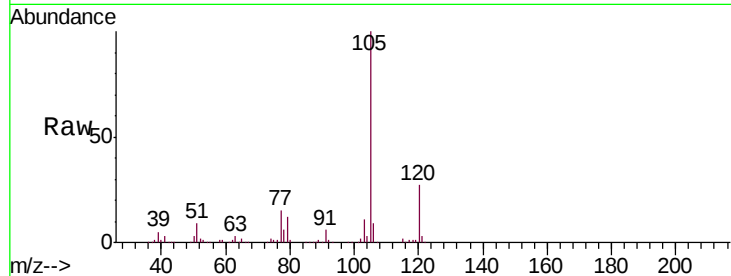




#56
Isopropylbenzene
Concen: 55.262 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

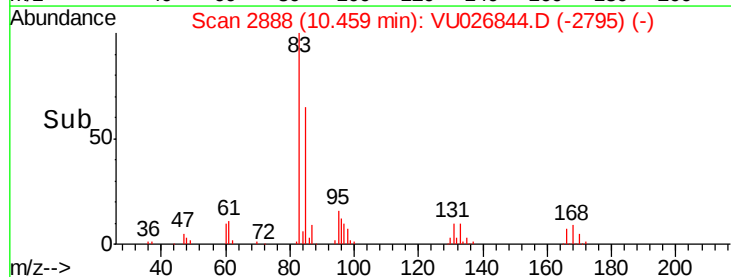
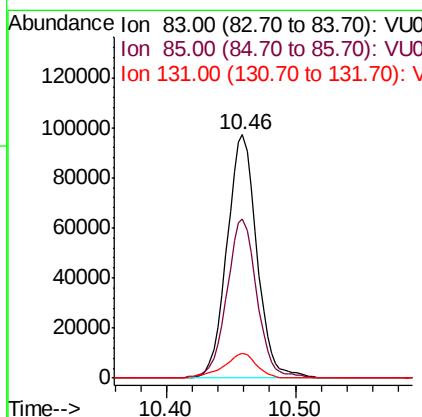
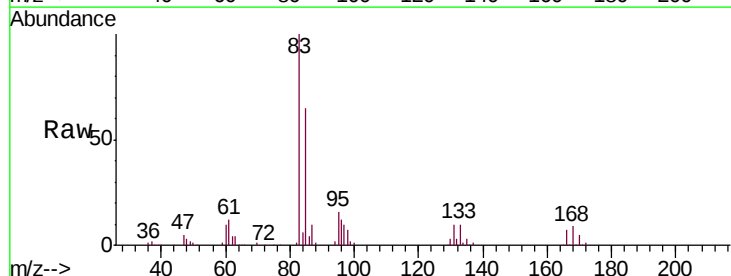
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

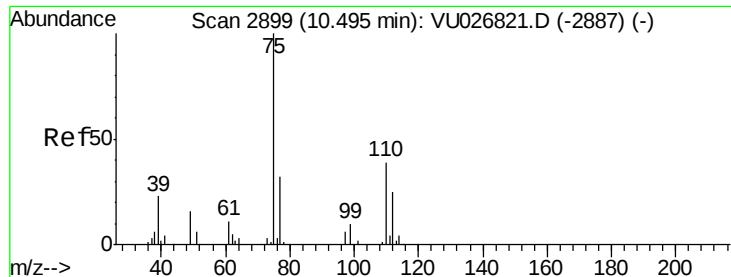
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.4	32.2
77	15.2	12.2	18.4



#58
1,1,2,2-Tetrachloroethane
Concen: 48.822 ug/L
RT: 10.46 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VU026844.D
Acq: 18 Sep 2018 07:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	45.4	84.2
131	10.1	7.9	11.9





#59

1,2,3-Trichloropropane

Concen: 48.793 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

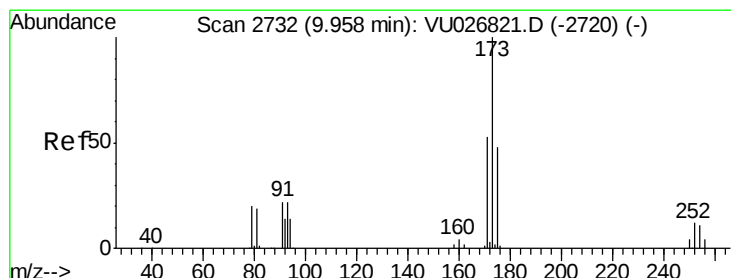
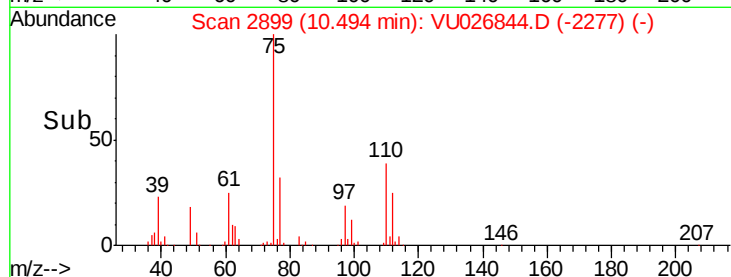
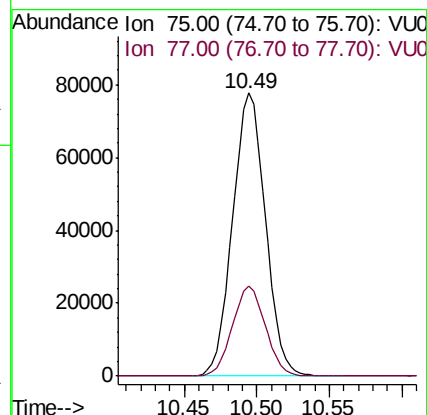
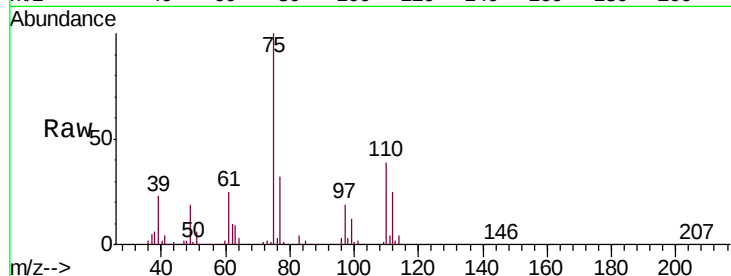
VSTD05046

Tgt Ion: 75 Resp: 121990

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#61

Bromoform

Concen: 48.504 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

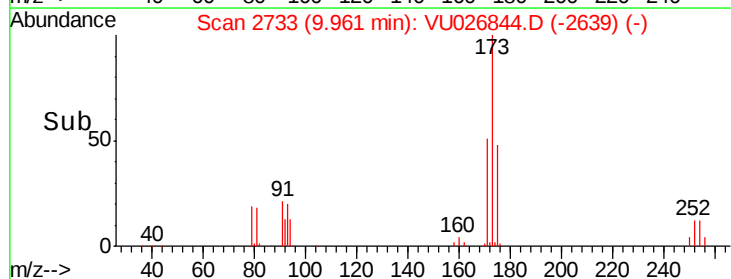
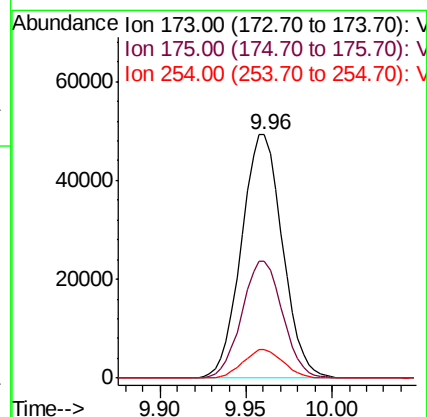
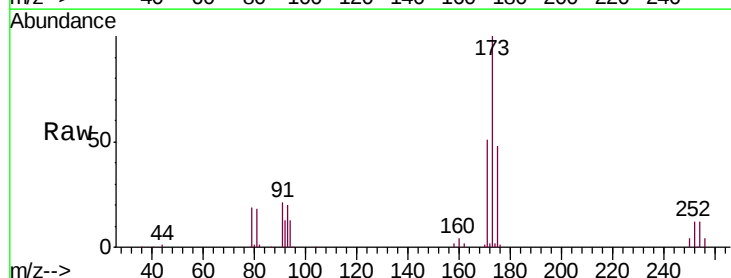
Tgt Ion: 173 Resp: 81827

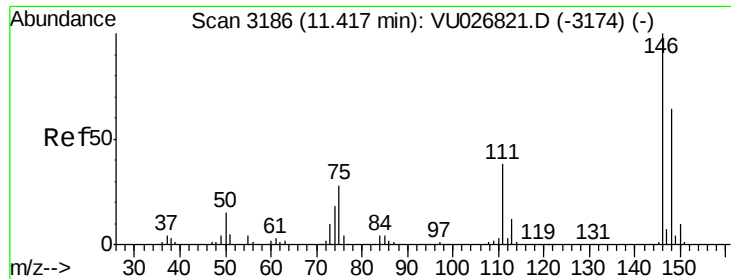
Ion Ratio Lower Upper

173 100

175 47.8 38.6 57.8

254 11.4 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 50.703 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

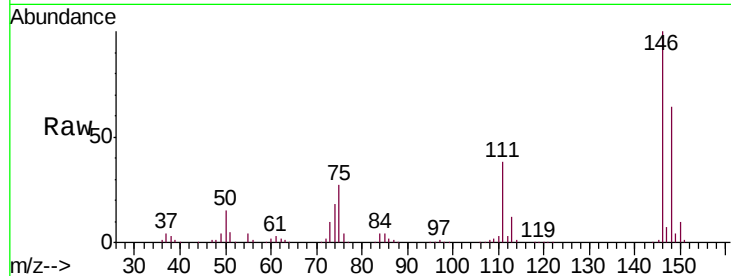
Tgt Ion:146 Resp: 198291

Ion Ratio Lower Upper

146 100

111 38.0 26.7 49.7

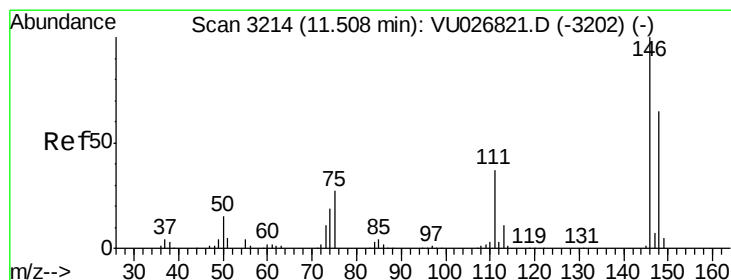
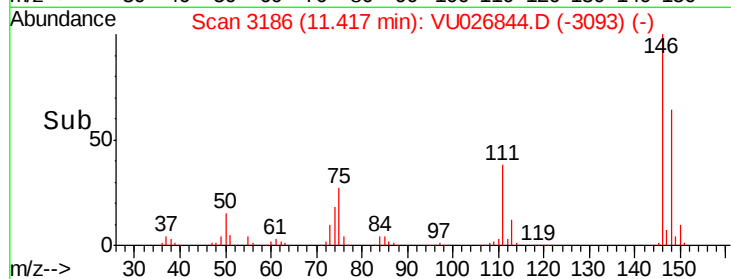
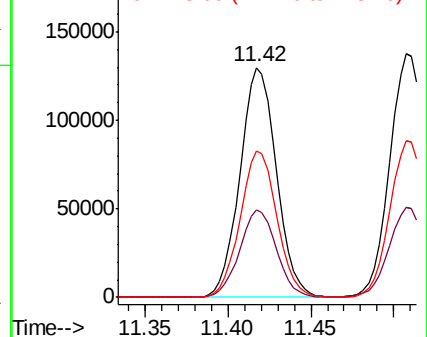
148 63.7 44.9 83.5



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: 49.148 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

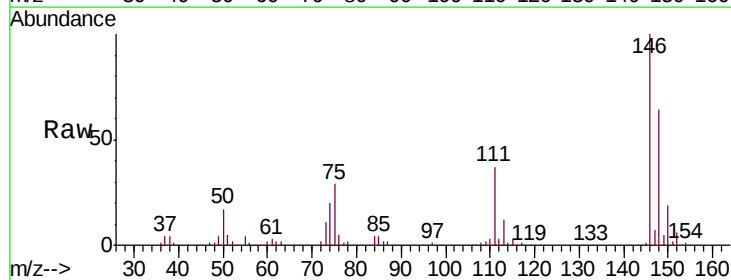
Tgt Ion:146 Resp: 211651

Ion Ratio Lower Upper

146 100

111 36.8 26.0 48.2

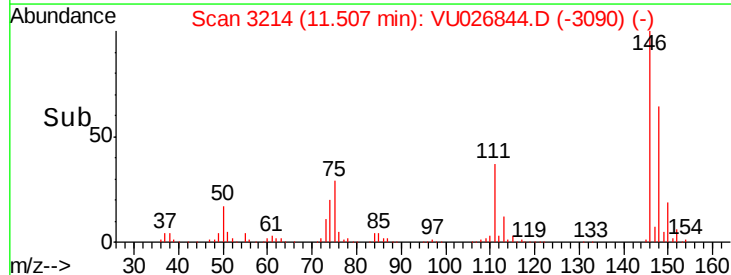
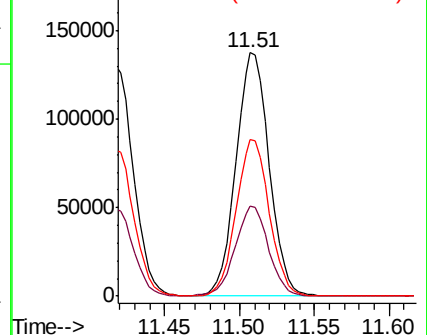
148 64.1 45.8 85.2

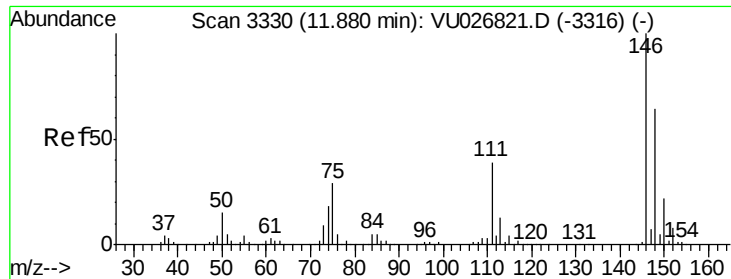


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.795 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

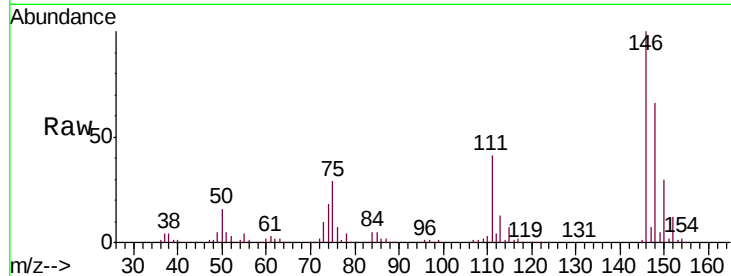
Tgt Ion: 146 Resp: 215633

Ion Ratio Lower Upper

146 100

111 40.6 31.4 47.0

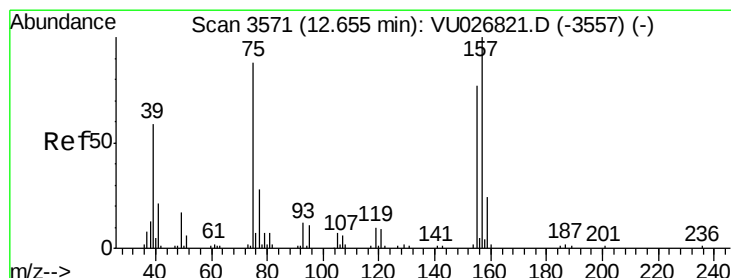
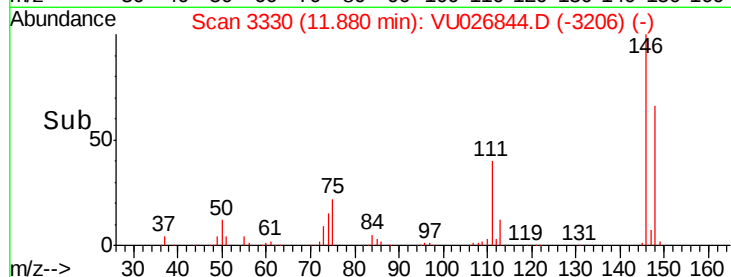
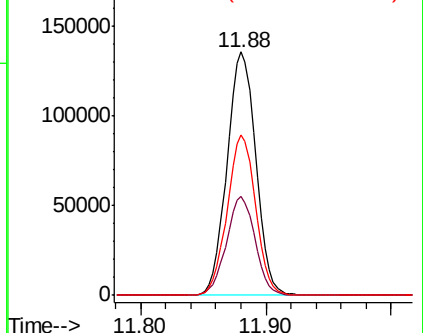
148 66.0 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.294 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

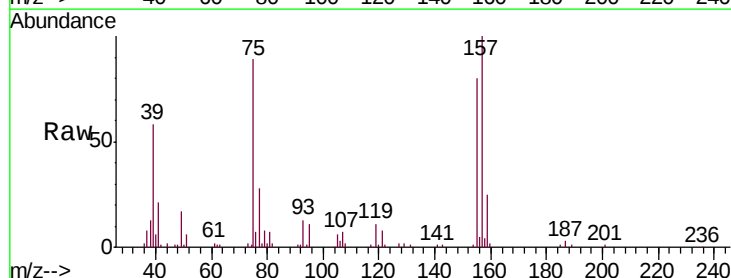
Tgt Ion: 75 Resp: 31070

Ion Ratio Lower Upper

75 100

155 90.5 69.5 104.3

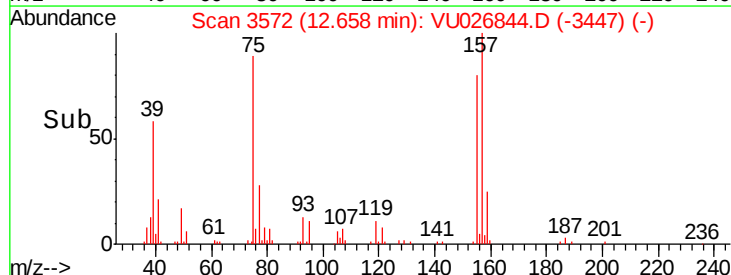
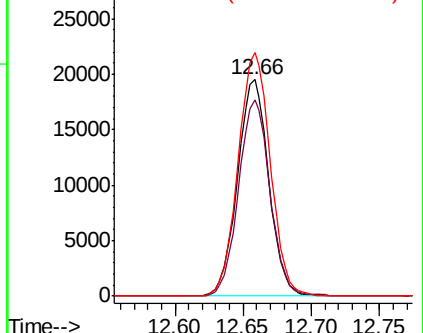
157 112.5 90.5 135.7

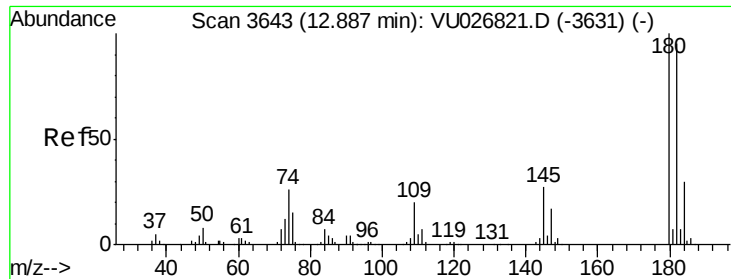


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

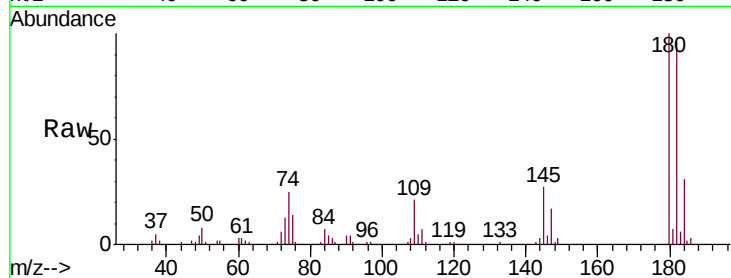




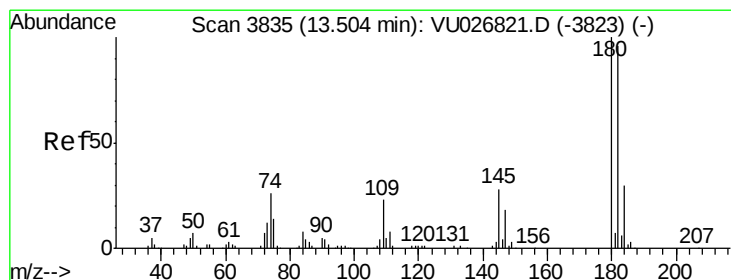
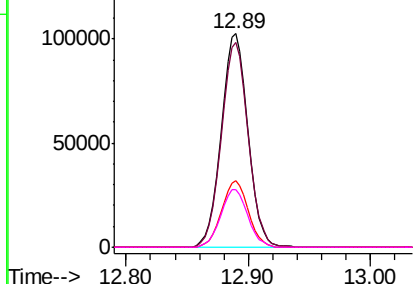
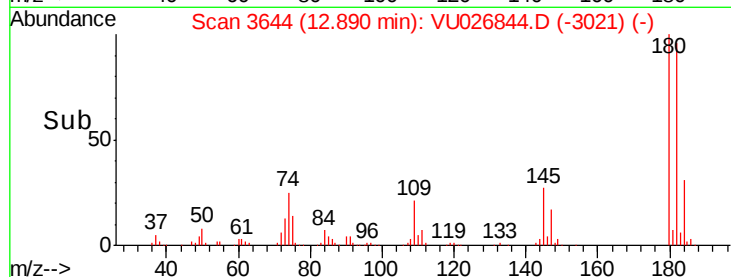
#67
 1,3,5-Trichlorobenzene
 Concen: 52.255 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion:180 Resp: 158144
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.7 115.1
 184 31.0 24.2 36.4
 145 27.4 21.8 32.6

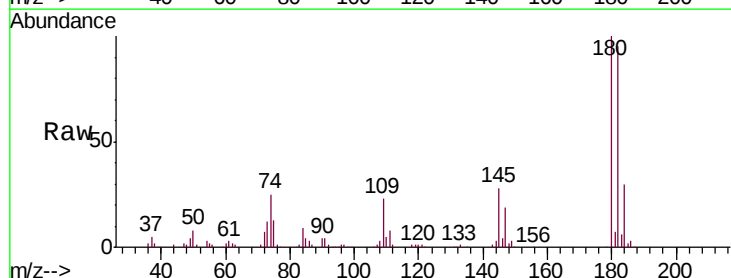


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

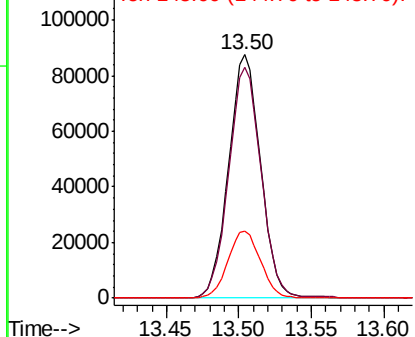
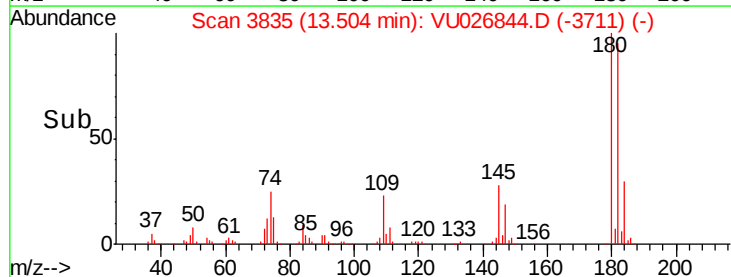


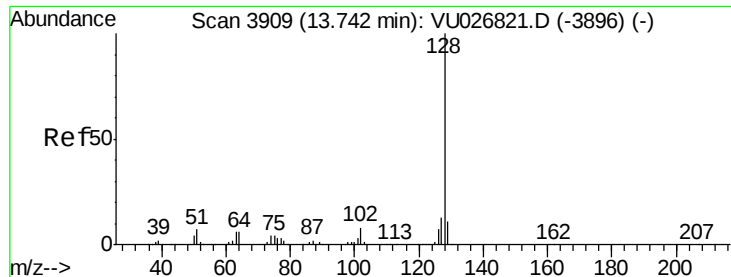
#68
 1,2,4-trichlorobenzene
 Concen: 51.332 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026844.D
 Acq: 18 Sep 2018 07:55

Tgt Ion:180 Resp: 133872
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.8 115.2
 145 28.1 22.2 33.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.278 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

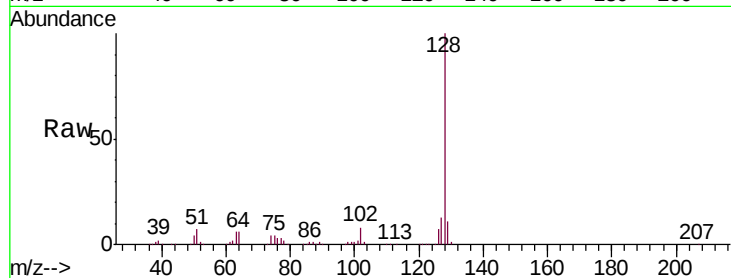
Tgt Ion:128 Resp: 417021

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

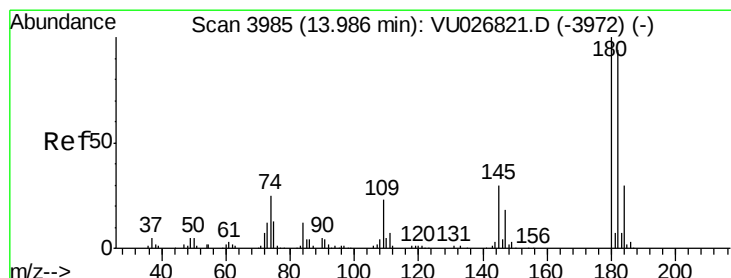
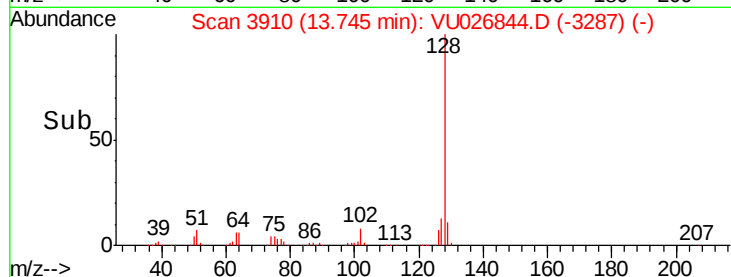
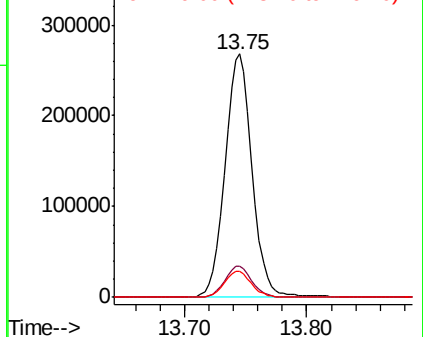
129 10.8 8.6 12.8



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: 52.778 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026844.D

Acq: 18 Sep 2018 07:55

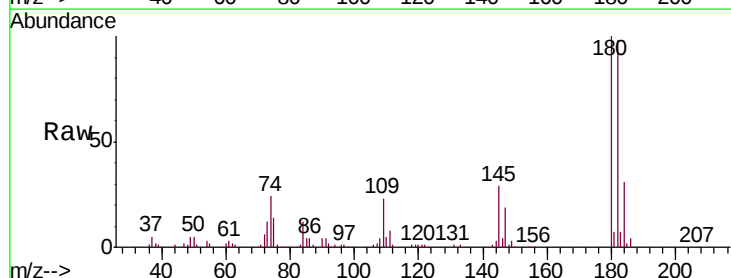
Tgt Ion:180 Resp: 151574

Ion Ratio Lower Upper

180 100

182 95.9 75.6 113.4

145 29.5 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

