

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
 Data File : VU026750.D
 Acq On : 14 Sep 2018 00:51
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Sep 14 03:02:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 01:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	195237	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	183616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91140	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68094	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.60%
7) Chloroethane-d5	1.68	69	52768	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.02%
11) 1,1-Dichloroethene-d2	2.27	63	123510	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.88%
21) 2-Butanone-d5	4.18	46	89576	98.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.94%
24) Chloroform-d	4.65	84	107950	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	5.31	65	70140	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.60%
32) Benzene-d6	5.34	84	219882	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
36) 1,2-Dichloropropane-d6	6.33	67	74444	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.36%
41) Toluene-d8	7.57	98	206991	46.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.84%
43) trans-1,3-Dichloropropene-	7.85	79	33011	44.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.04%
47) 2-Hexanone-d5	8.31	63	65468	100.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	99878	45.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	82156	45.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	61091	49.709	ug/L 100
3) Chloromethane	1.33	50	81836	50.657	ug/L 100
5) Vinyl chloride	1.40	62	88275	52.881	ug/L 99
6) Bromomethane	1.62	94	43941	45.170	ug/L 96
8) Chloroethane	1.70	64	53557	51.731	ug/L 100
9) Trichlorofluoromethane	1.88	101	110253	52.378	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	62880	52.455	ug/L 99
12) 1,1-Dichloroethene	2.28	96	60819	52.831	ug/L 93
13) Acetone	2.32	43	74847	72.582	ug/L 99
14) Carbon disulfide	2.48	76	183154	48.986	ug/L 99
15) Methyl Acetate	2.61	43	83900	57.031	ug/L 98
16) Methylene chloride	2.70	84	74307	54.694	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	63831	52.329	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	213090	56.693	ug/L 99
19) 1,1-Dichloroethane	3.45	63	129330	54.669	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	74354	54.117	ug/L 98
22) 2-Butanone	4.26	43	116517	98.686	ug/L 99

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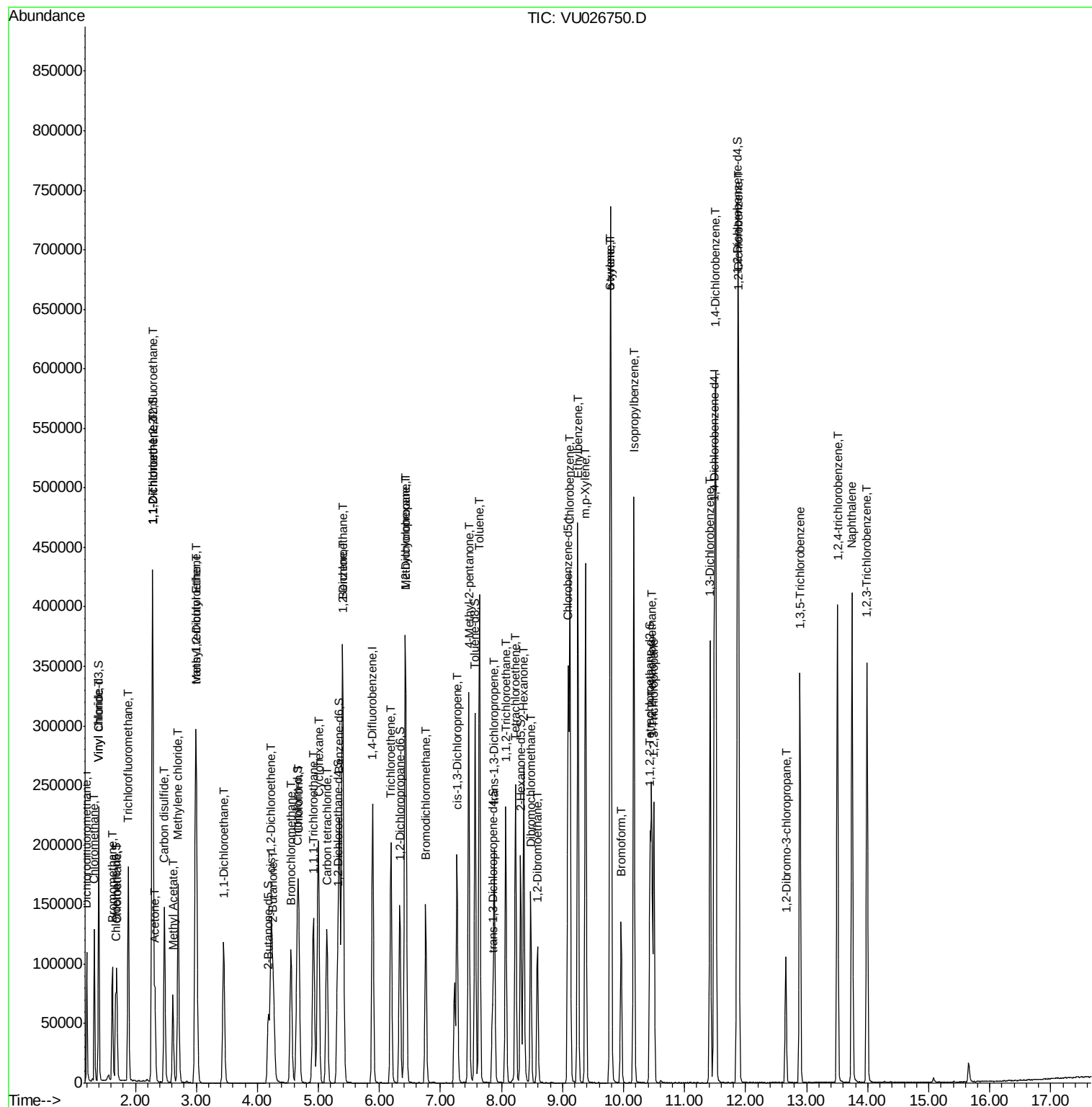
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38118	54.243	ug/L	95
25) Chloroform	4.67	83	131856	55.453	ug/L	99
27) 1,2-Dichloroethane	5.41	62	103841	54.998	ug/L	100
29) Cyclohexane	5.00	56	111748	55.561	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	107222	55.122	ug/L	99
31) Carbon tetrachloride	5.14	117	95508	54.320	ug/L	98
33) Benzene	5.39	78	291041	56.602	ug/L	100
34) Trichloroethene	6.19	95	69516	54.393	ug/L	97
35) Methylcyclohexane	6.42	83	110884	54.202	ug/L	99
37) 1,2-Dichloropropane	6.43	63	81037	56.415	ug/L	100
38) Bromodichloromethane	6.76	83	98423	55.911	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	110683	52.071	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	219559	119.825	ug/L	99
42) Toluene	7.64	91	294840	55.323	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	104930	53.063	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	71632	56.218	ug/L	98
46) Tetrachloroethene	8.23	164	56814	52.894	ug/L	99
48) 2-Hexanone	8.36	43	171184	110.655	ug/L	99
49) Dibromochloromethane	8.48	129	81407	55.275	ug/L	97
50) 1,2-Dibromoethane	8.59	107	75794	55.607	ug/L	99
51) Chlorobenzene	9.12	112	220222	62.933	ug/L	100
52) Ethylbenzene	9.25	91	321061	55.704	ug/L	99
53) m,p-Xylene	9.38	106	121453	55.885	ug/L	99
54) o-xylene	9.78	106	122607	56.844	ug/L	100
55) Styrene	9.79	104	206228	56.523	ug/L	100
56) Isopropylbenzene	10.17	105	310858	56.577	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	123723	56.050	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	95033	55.915	ug/L	99
61) Bromoform	9.96	173	61631	54.894	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	150930	57.674	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	227757	82.155	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	273511	98.892	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	25717	57.555	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	109878	52.933	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	127395	70.610	ug/L	99
69) Naphthalene	13.74	128	323383	58.493	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	114825	58.754	ug/L	98

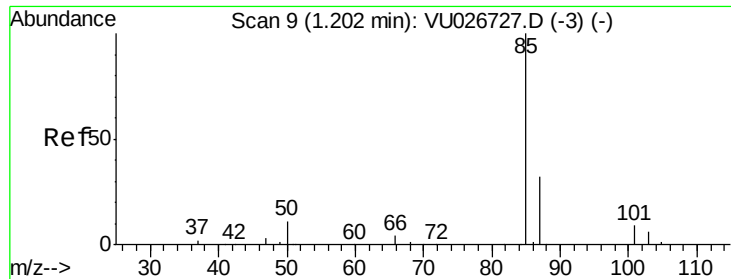
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.709 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

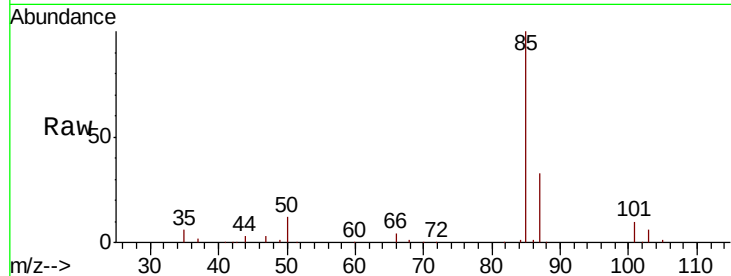
VSTD05042

Tgt Ion: 85 Resp: 61091

Ion Ratio Lower Upper

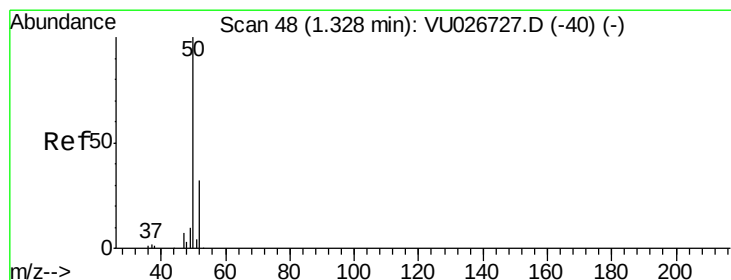
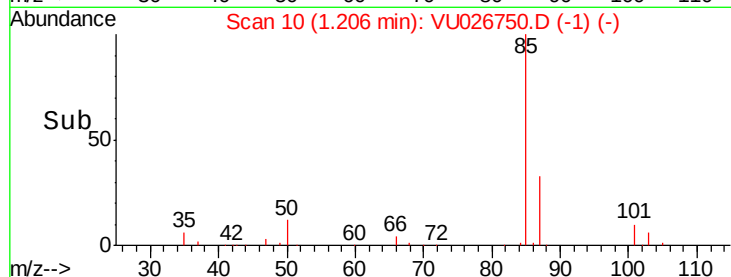
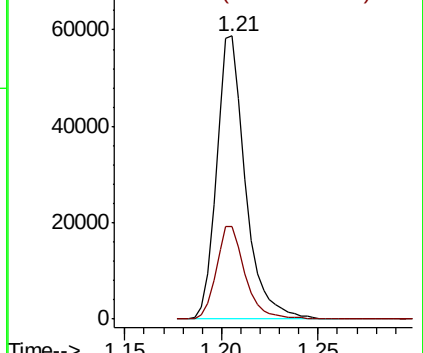
85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 50.657 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026750.D

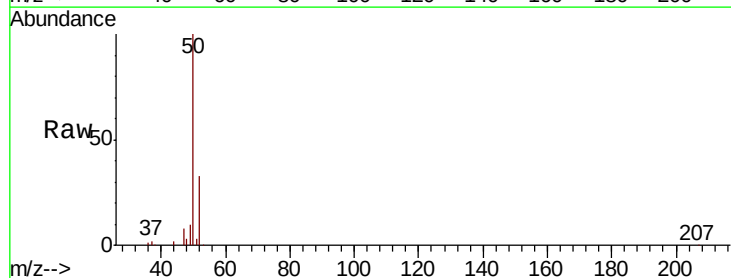
Acq: 14 Sep 2018 00:51

Tgt Ion: 50 Resp: 81836

Ion Ratio Lower Upper

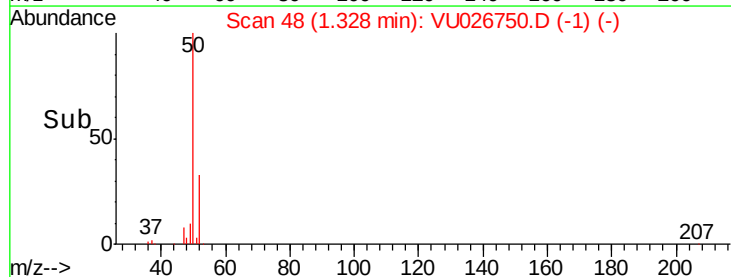
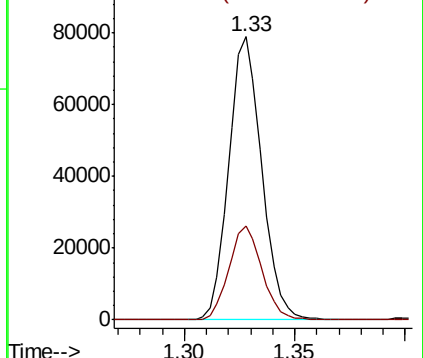
50 100

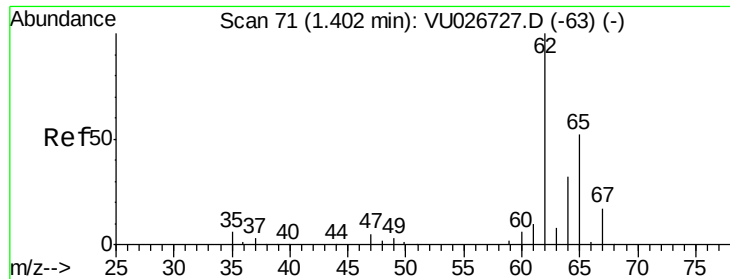
52 33.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 52.881 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

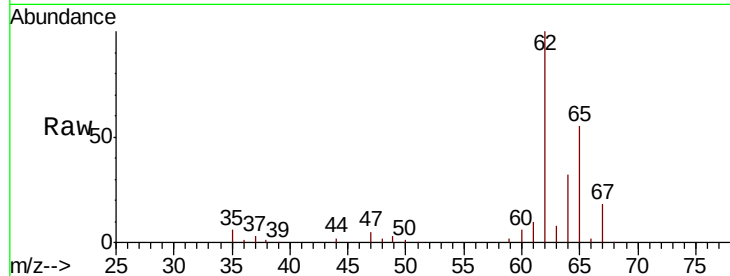
VSTD05042

Tgt Ion: 62 Resp: 88275

Ion Ratio Lower Upper

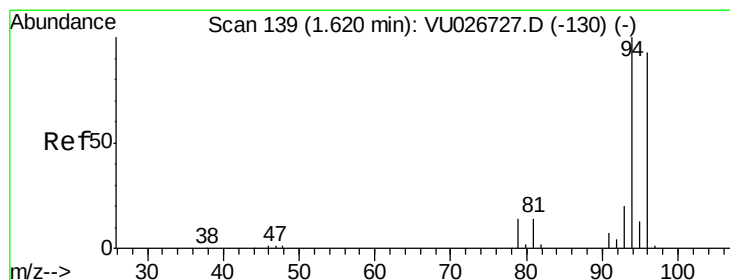
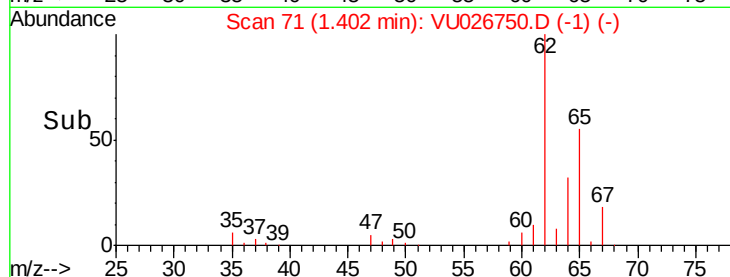
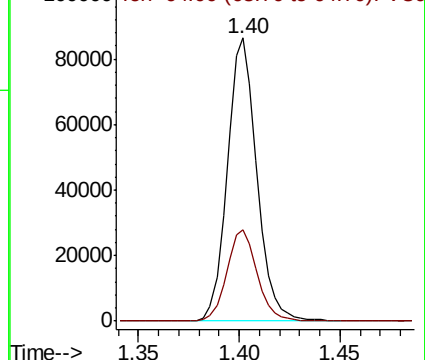
62 100

64 32.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 45.170 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU026750.D

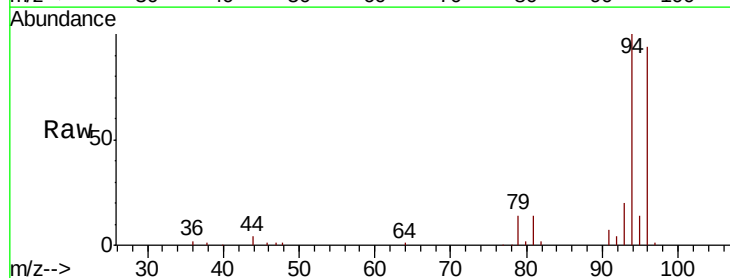
Acq: 14 Sep 2018 00:51

Tgt Ion: 94 Resp: 43941

Ion Ratio Lower Upper

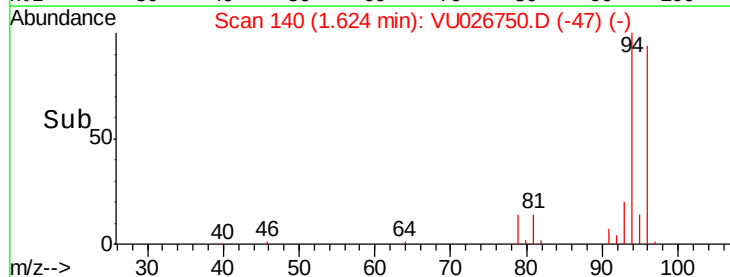
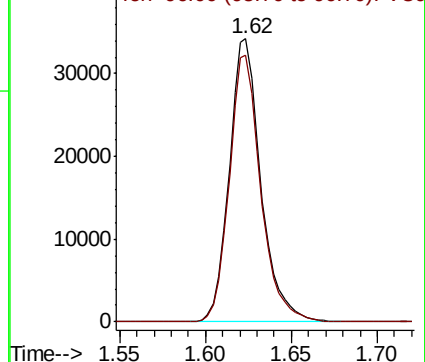
94 100

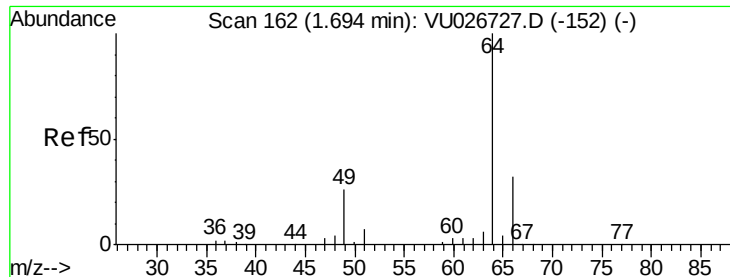
96 94.2 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 51.731 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

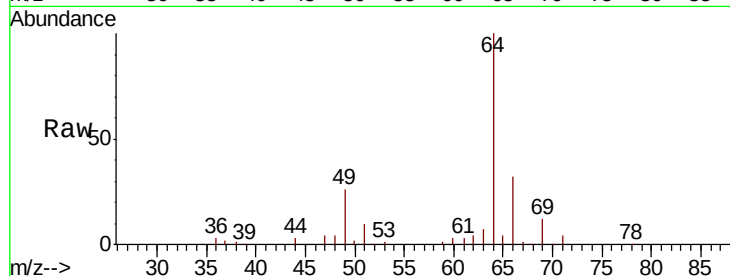
VSTD05042

Tgt Ion: 64 Resp: 53557

Ion Ratio Lower Upper

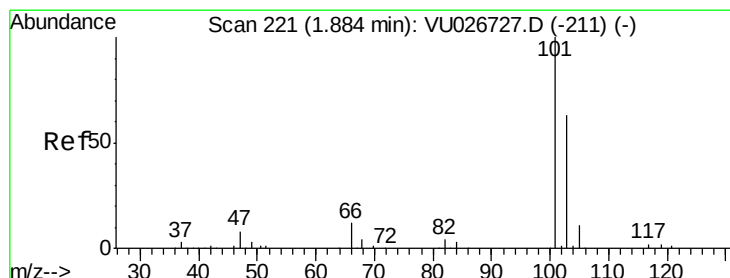
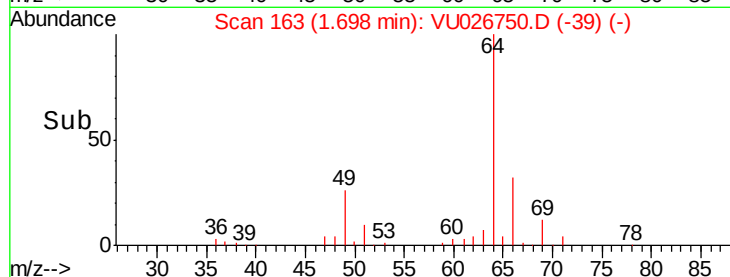
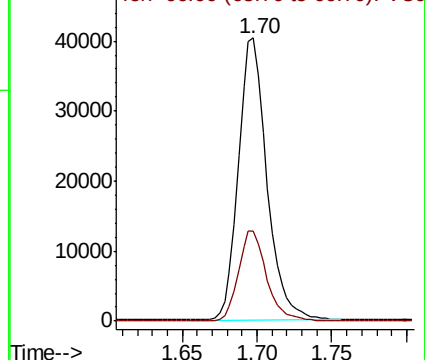
64 100

66 31.8 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 52.378 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026750.D

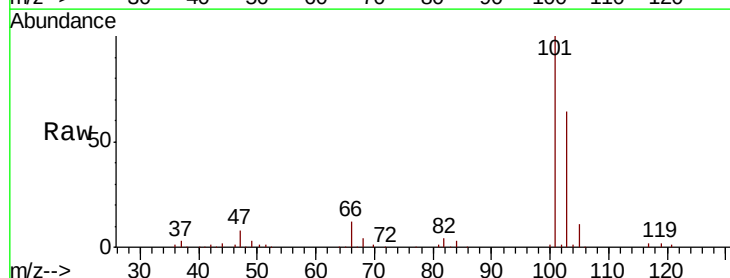
Acq: 14 Sep 2018 00:51

Tgt Ion: 101 Resp: 110253

Ion Ratio Lower Upper

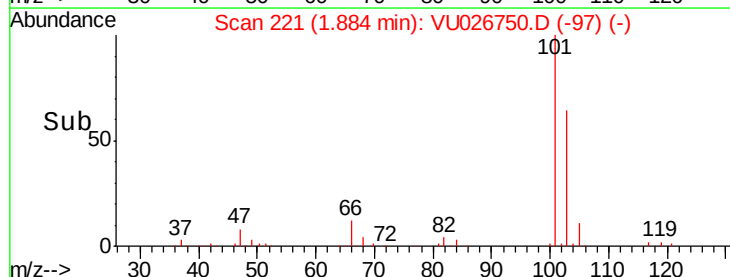
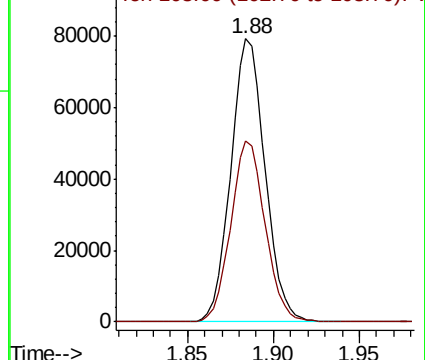
101 100

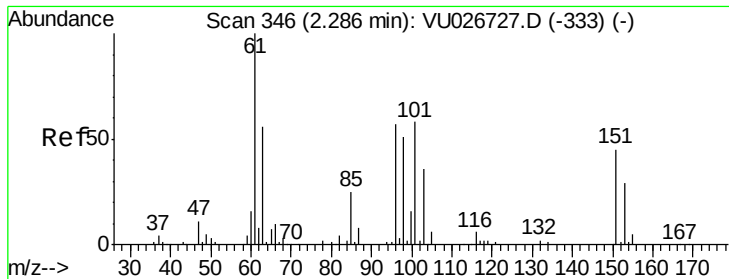
103 64.0 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 52.455 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026750.D

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VSTD05042

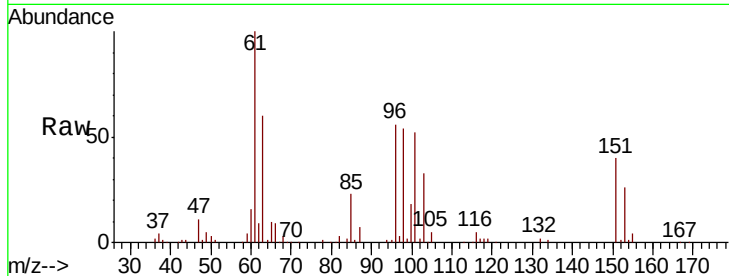
Tgt Ion:101 Resp: 62880

Ion Ratio Lower Upper

101 100

85 43.9 34.1 51.1

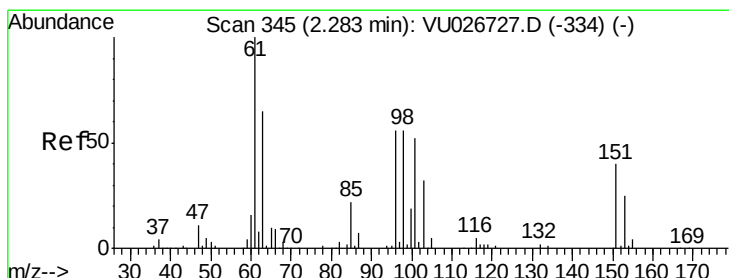
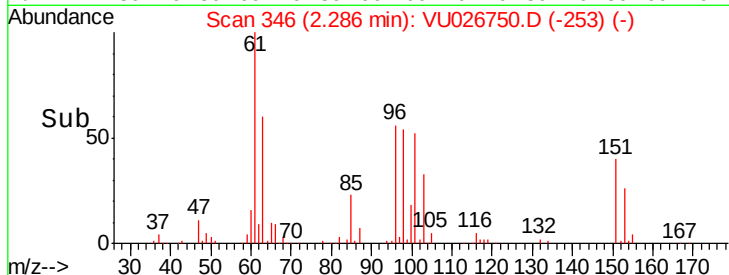
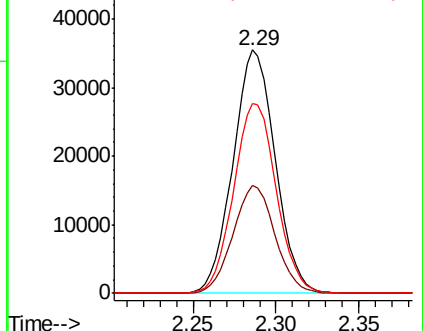
151 78.7 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.831 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

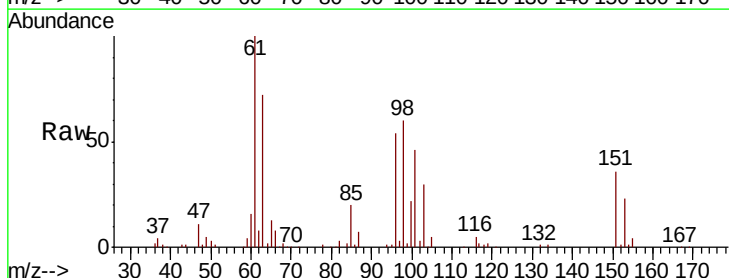
Tgt Ion: 96 Resp: 60819

Ion Ratio Lower Upper

96 100

61 184.5 121.0 224.8

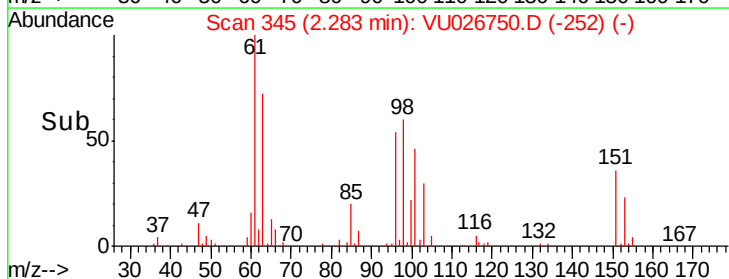
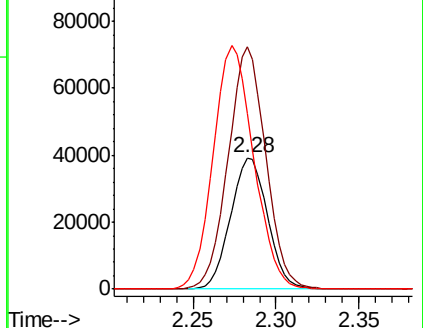
63 133.3 89.9 166.9

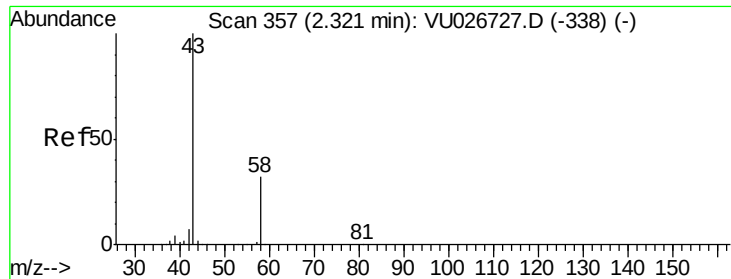


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 72.582 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026750.D

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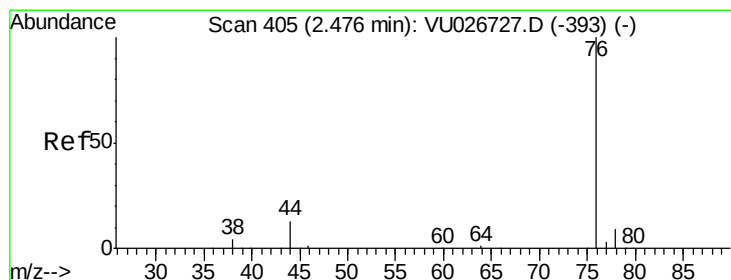
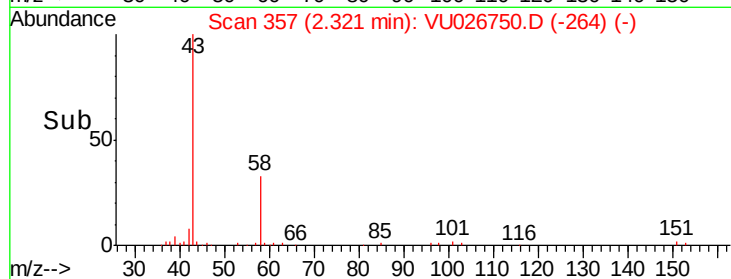
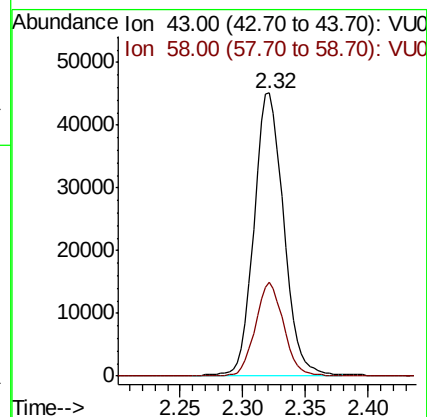
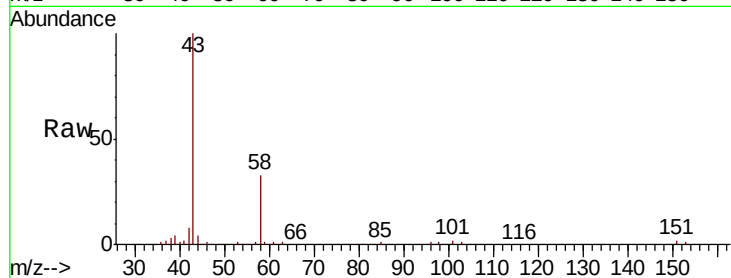
VSTD05042

Tgt Ion: 43 Resp: 74847

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.8



#14

Carbon disulfide

Concen: 48.986 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026750.D

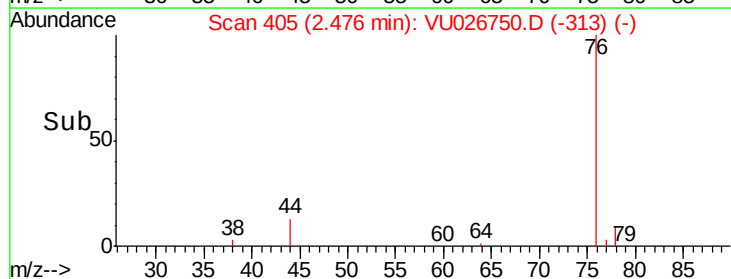
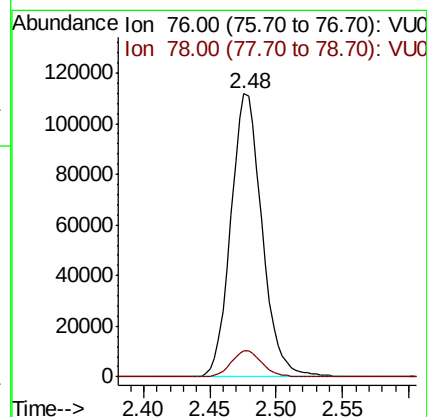
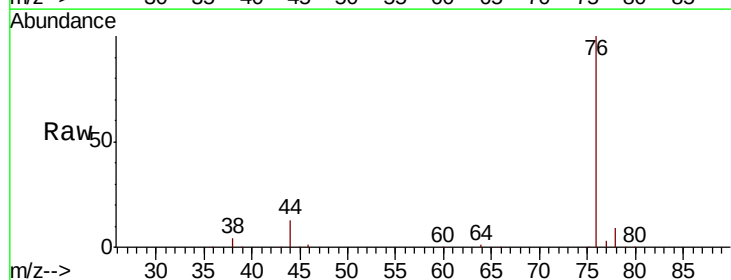
Acq: 14 Sep 2018 00:51

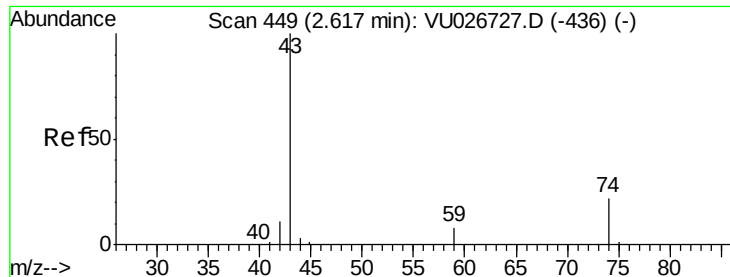
Tgt Ion: 76 Resp: 183154

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

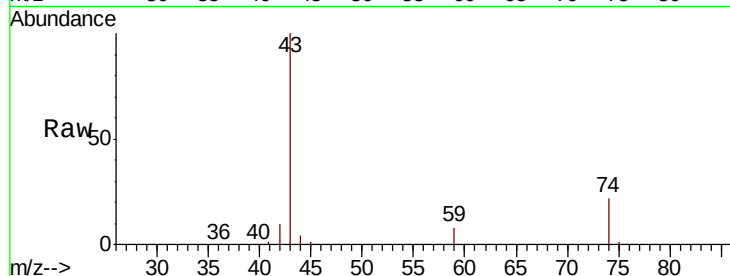




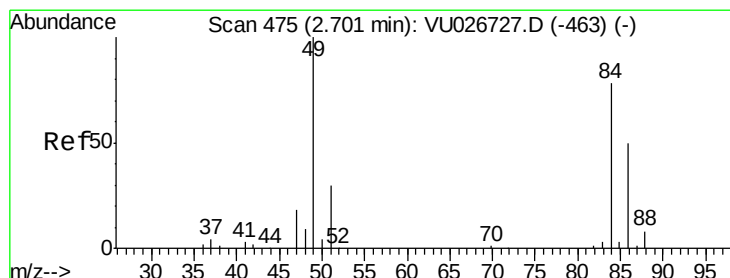
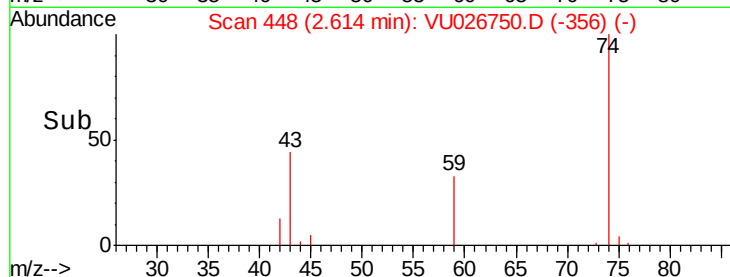
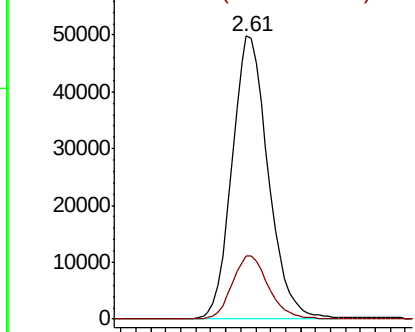
#15
Methyl Acetate
Concen: 57.031 ug/L
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU026750.D
Acq: 14 Sep 2018 00:51

Instrument :
MSVOA_U
ClientSampled :
VSTD05042

Tgt Ion: 43 Resp: 83900
Ion Ratio Lower Upper
43 100
74 22.3 18.5 27.7

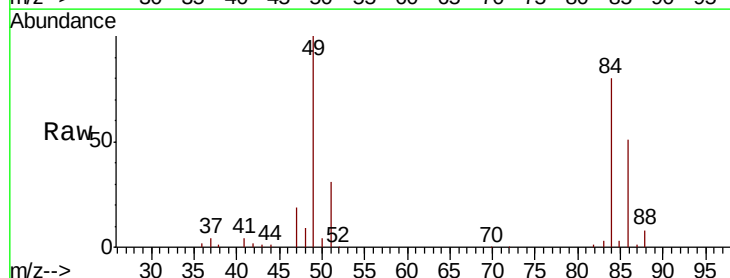


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

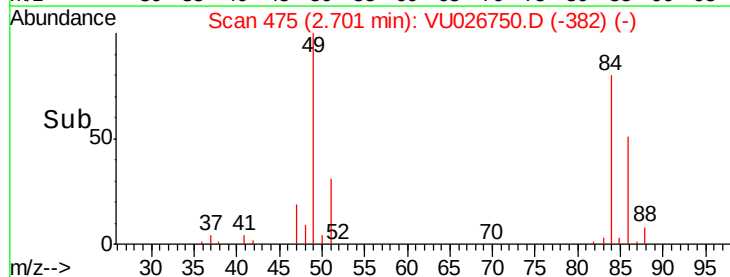
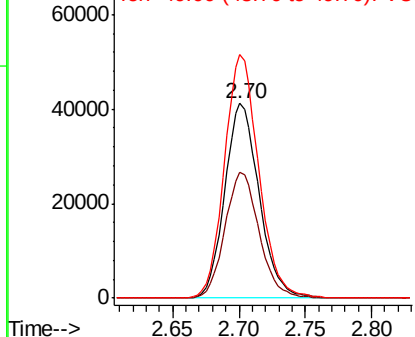


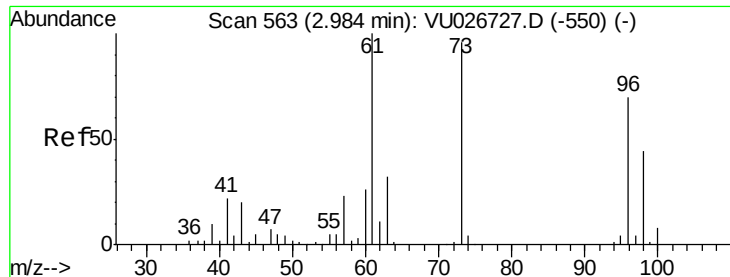
#16
Methylene chloride
Concen: 54.694 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026750.D
Acq: 14 Sep 2018 00:51

Tgt Ion: 84 Resp: 74307
Ion Ratio Lower Upper
84 100
86 64.4 44.1 81.9
49 125.0 87.2 161.9



Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

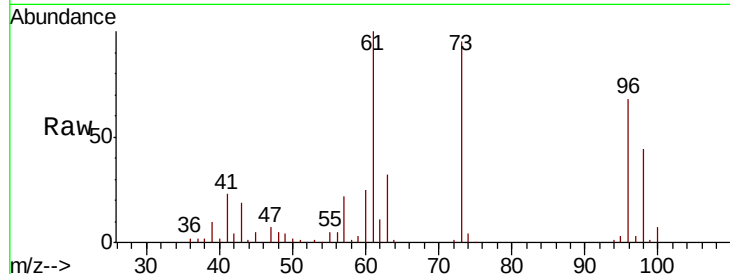




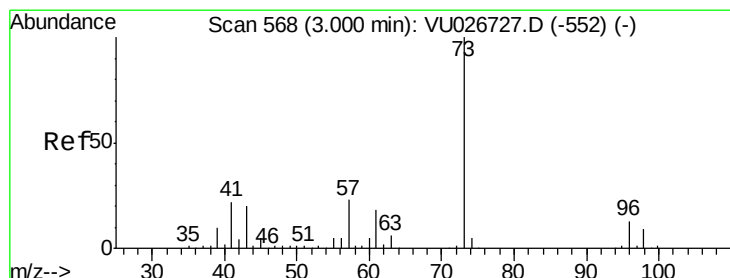
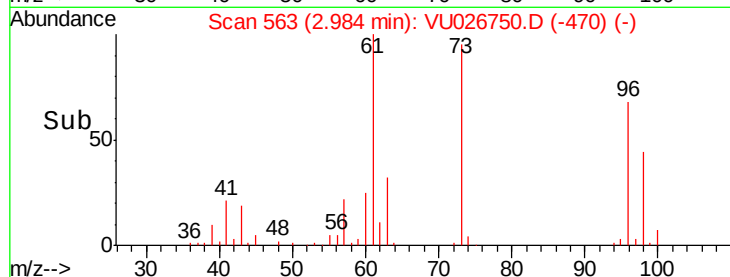
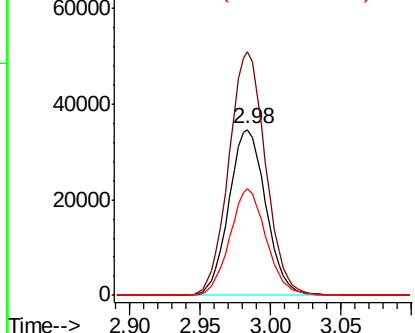
#17
trans-1,2-Dichloroethene
Concen: 52.329 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU026750.D
Acq: 14 Sep 2018 00:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 96 Resp: 63831
Ion Ratio Lower Upper
96 100
61 146.7 99.7 185.1
98 63.9 45.1 83.7

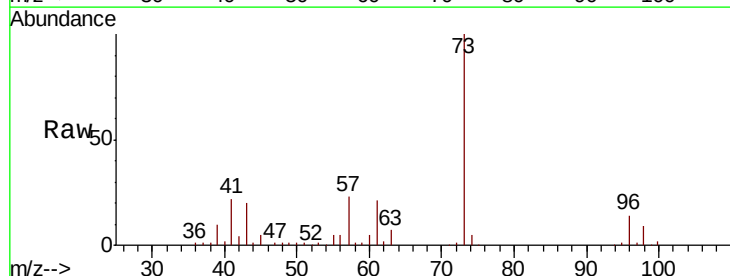


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

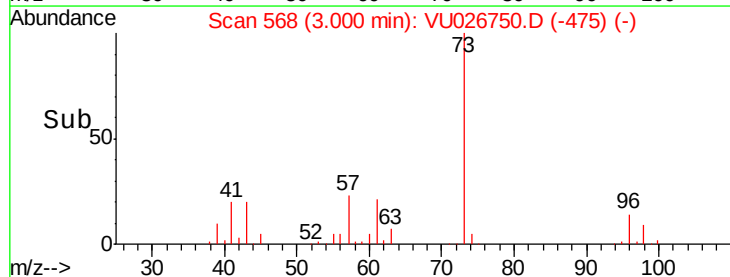
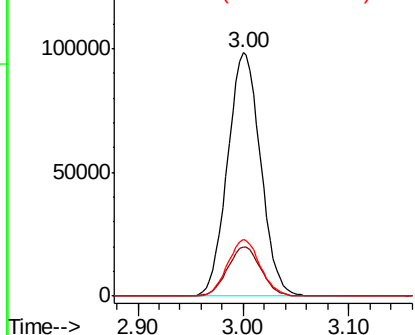


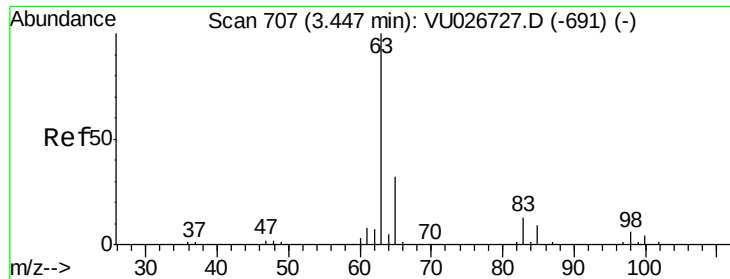
#18
Methyl tert-butyl Ether
Concen: 56.693 ug/L
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU026750.D
Acq: 14 Sep 2018 00:51

Tgt Ion: 73 Resp: 213090
Ion Ratio Lower Upper
73 100
43 20.4 16.0 24.0
57 22.9 18.6 27.8



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

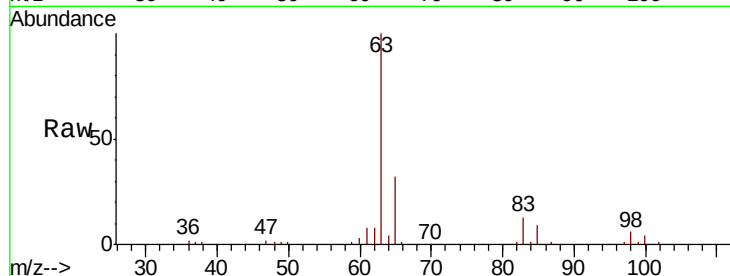




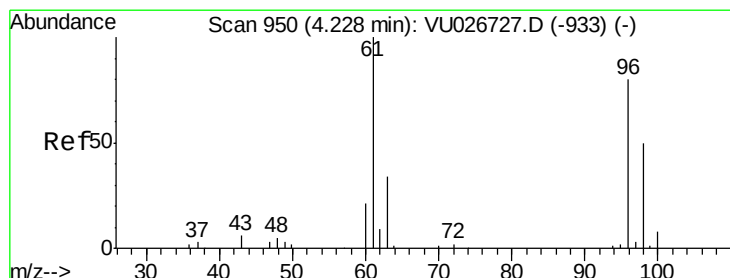
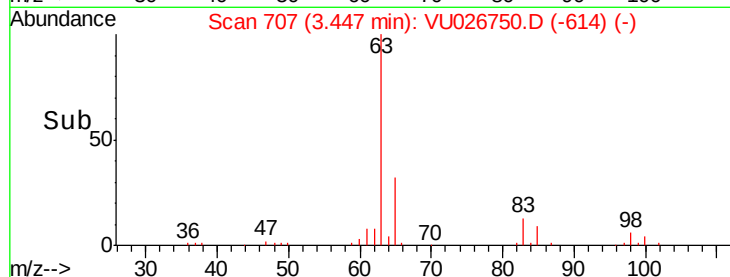
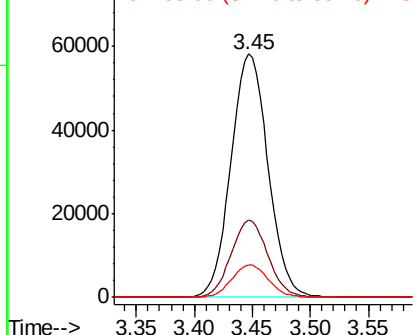
#19
 1,1-Dichloroethane
 Concen: 54.669 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion: 63 Resp: 129330
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.9 40.7
 83 13.2 9.2 17.2

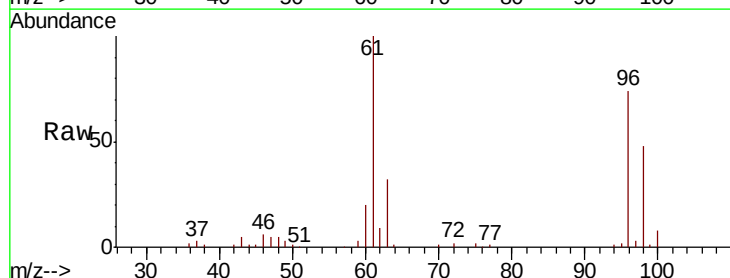


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

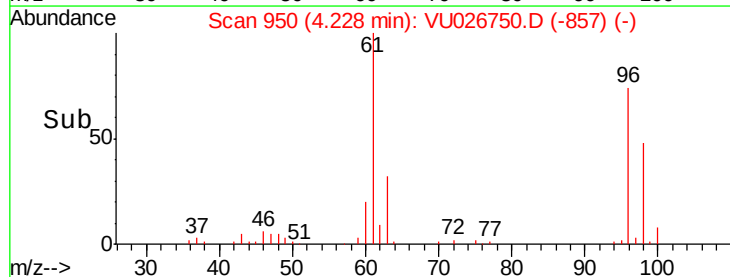
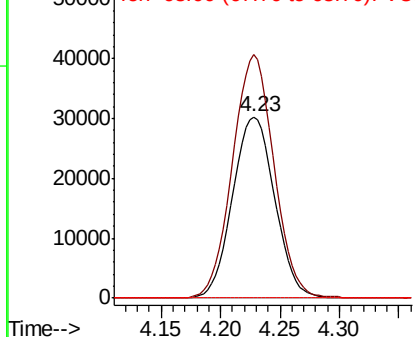


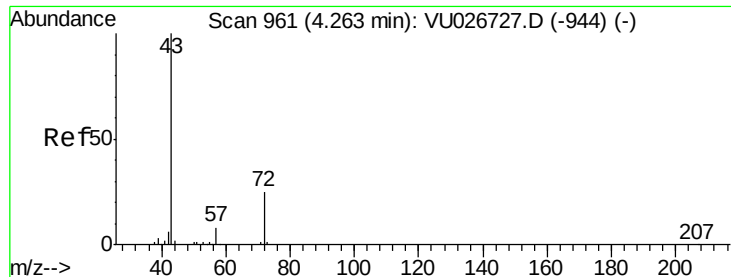
#20
 cis-1,2-Dichloroethene
 Concen: 54.117 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

Tgt Ion: 96 Resp: 74354
 Ion Ratio Lower Upper
 96 100
 61 134.6 92.9 172.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 98.686 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

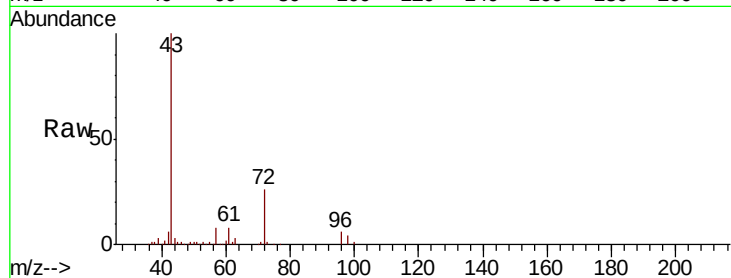
VSTD05042

Tgt Ion: 43 Resp: 116517

Ion Ratio Lower Upper

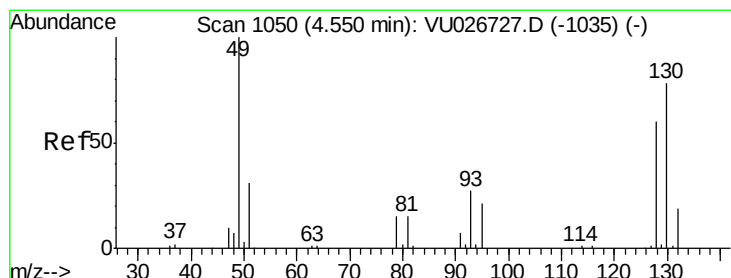
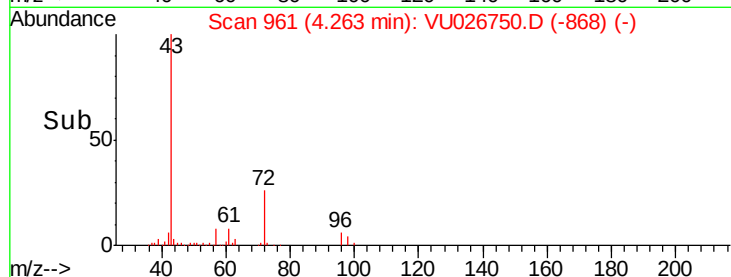
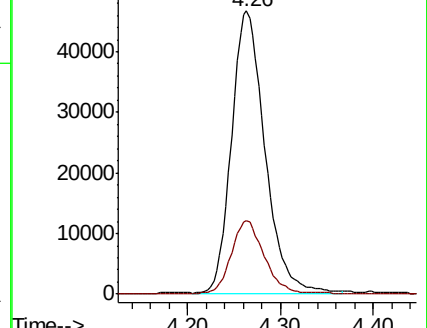
43 100

72 25.3 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU026727.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU026727.D (-944) (-)



#23

Bromochloromethane

Concen: 54.243 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Tgt Ion: 128 Resp: 38118

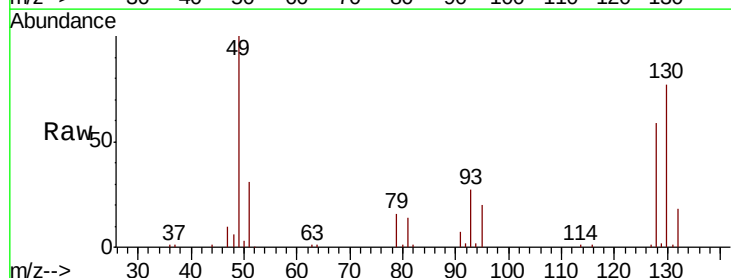
Ion Ratio Lower Upper

128 100

49 169.9 111.7 207.5

130 131.2 89.0 165.2

51 53.3 42.0 63.0

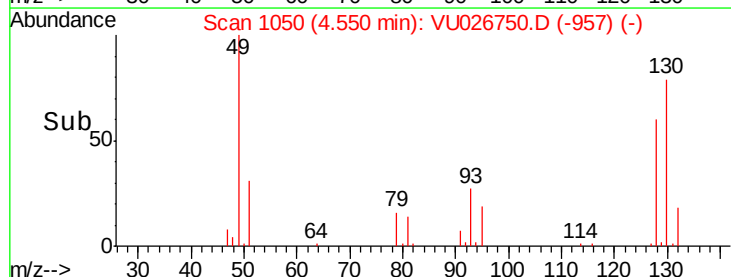
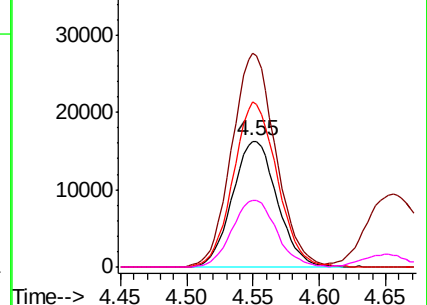


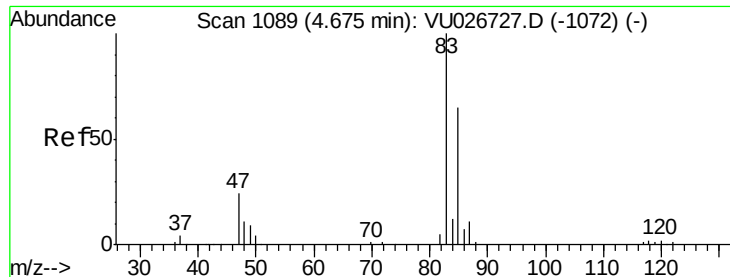
Abundance Ion 128.00 (127.70 to 128.70): VU026727.D (-1035) (-)

Ion 49.00 (48.70 to 49.70): VU026727.D (-1035) (-)

Ion 130.00 (129.70 to 130.70): VU026727.D (-1035) (-)

Ion 51.00 (50.70 to 51.70): VU026727.D (-1035) (-)

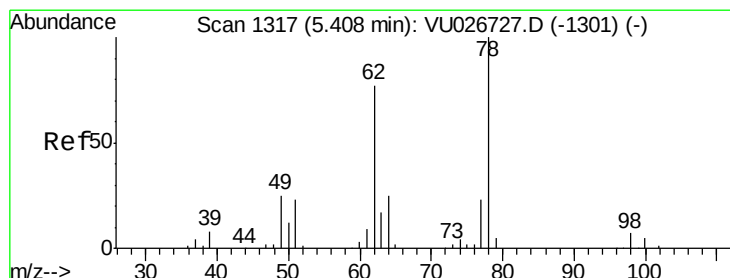
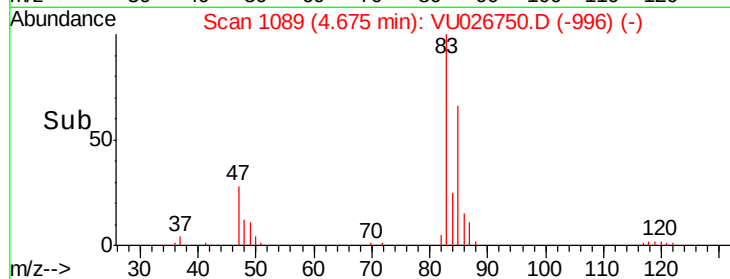
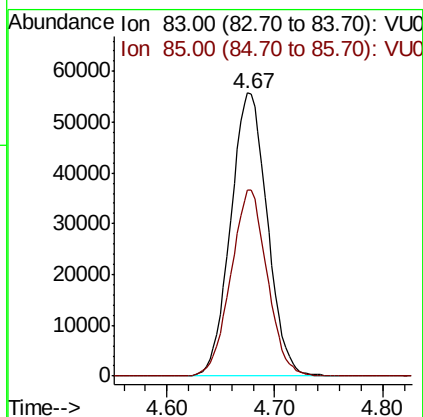
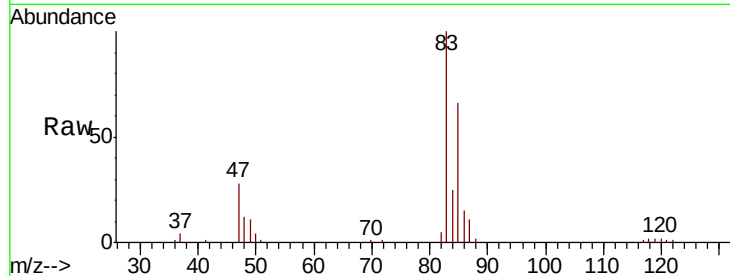




#25
Chloroform
Concen: 55.453 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026750.D
Acq: 14 Sep 2018 00:51

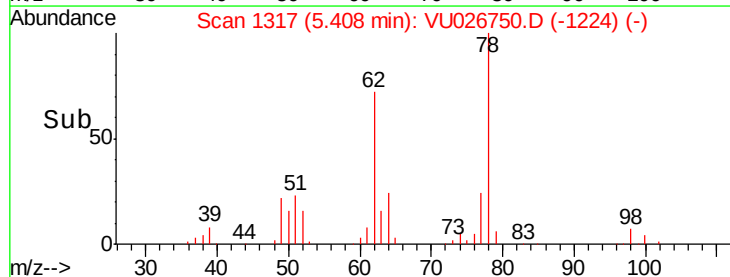
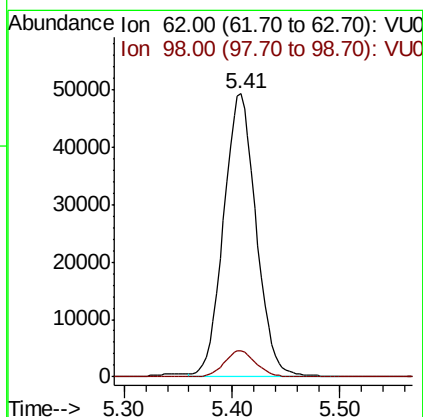
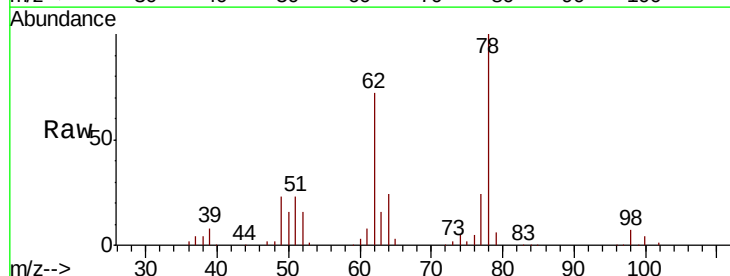
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

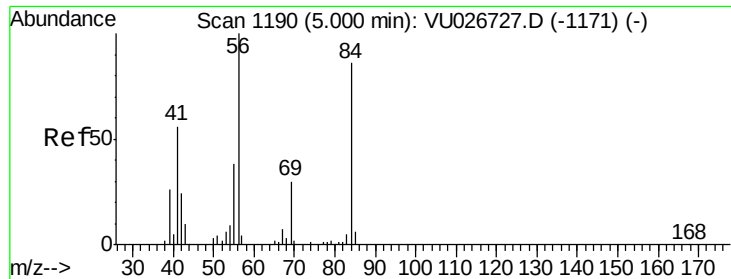
Tgt Ion: 83 Resp: 131856
Ion Ratio Lower Upper
83 100
85 65.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 54.998 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU026750.D
Acq: 14 Sep 2018 00:51

Tgt Ion: 62 Resp: 103841
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0

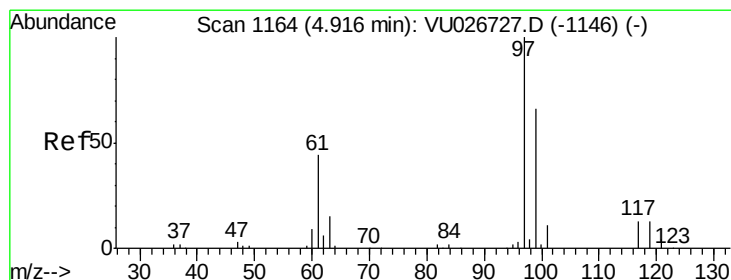
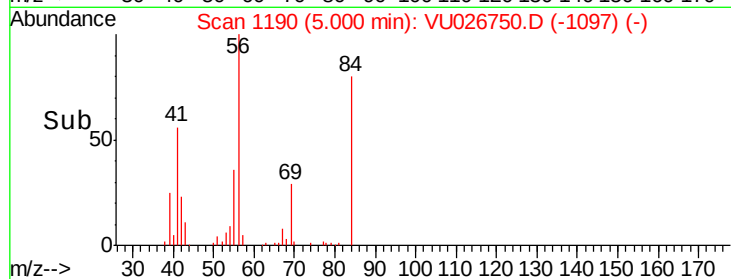
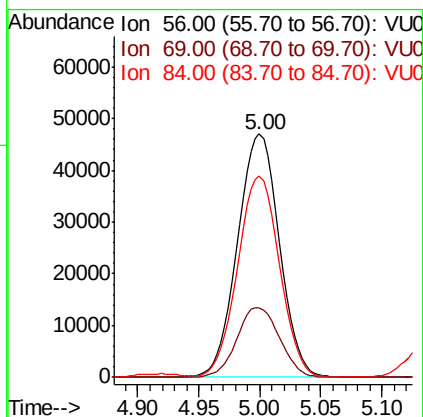
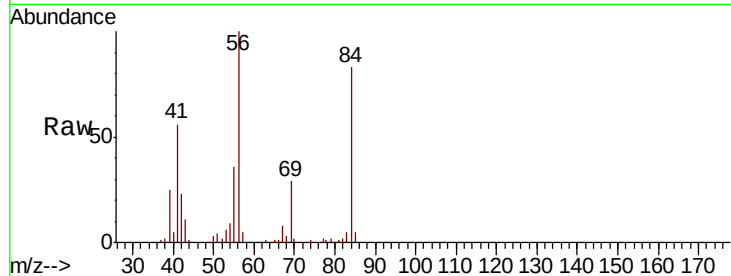




#29
Cyclohexane
Concen: 55.561 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VU026750.D
Acq: 14 Sep 2018 00:51

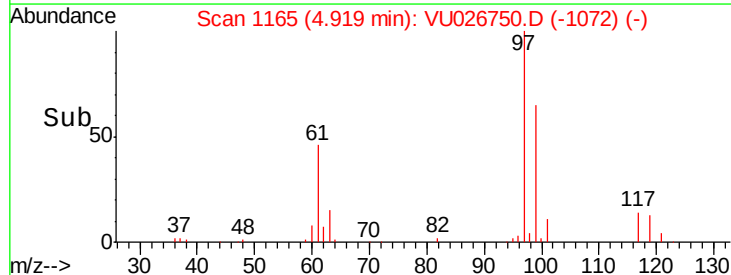
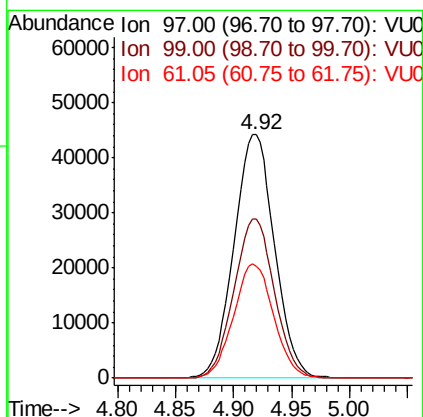
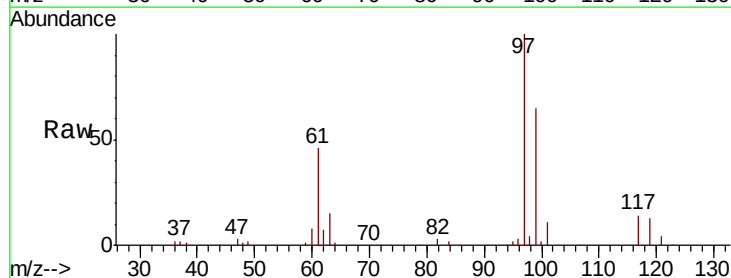
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

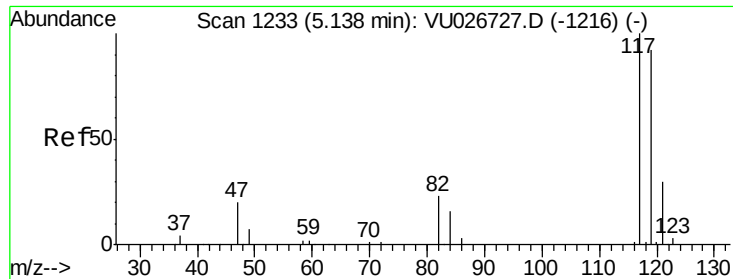
Tgt Ion: 56 Resp: 111748
Ion Ratio Lower Upper
56 100
69 29.1 23.0 34.6
84 82.9 66.5 99.7



#30
1,1,1-Trichloroethane
Concen: 55.122 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VU026750.D
Acq: 14 Sep 2018 00:51

Tgt Ion: 97 Resp: 107222
Ion Ratio Lower Upper
97 100
99 65.1 51.5 77.3
61 46.5 36.2 54.2





#31

Carbon tetrachloride

Concen: 54.320 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

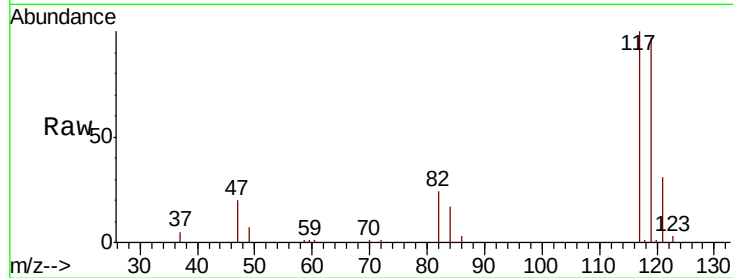
VSTD05042

Tgt Ion:117 Resp: 95508

Ion Ratio Lower Upper

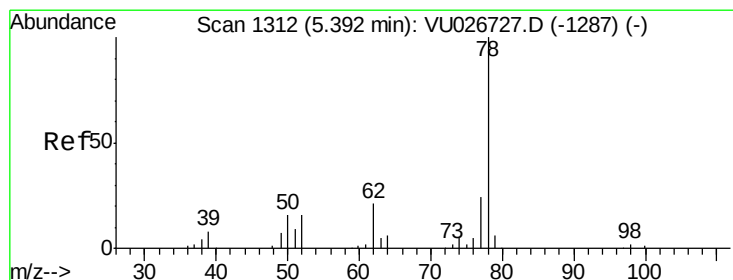
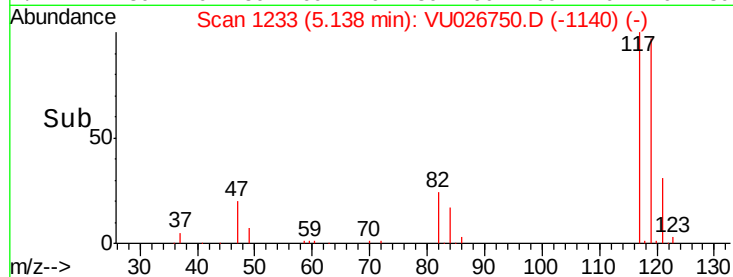
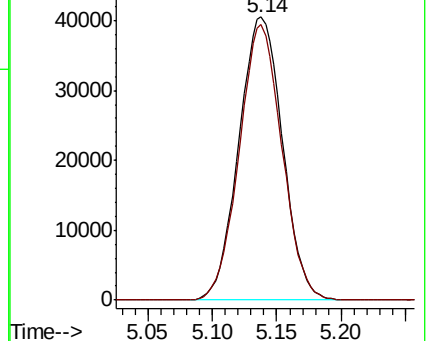
117 100

119 95.0 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 56.602 ug/L

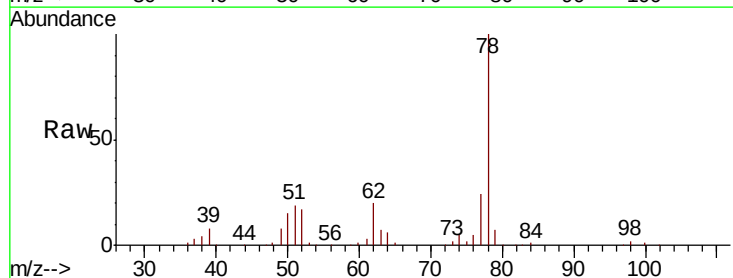
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

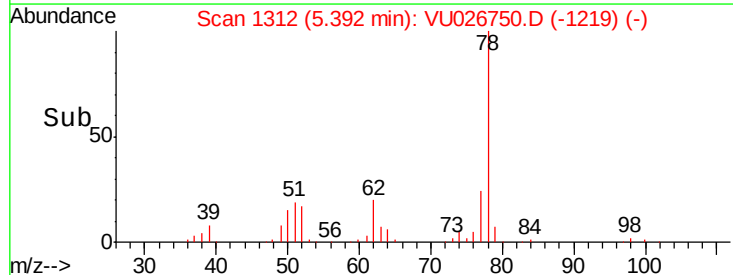
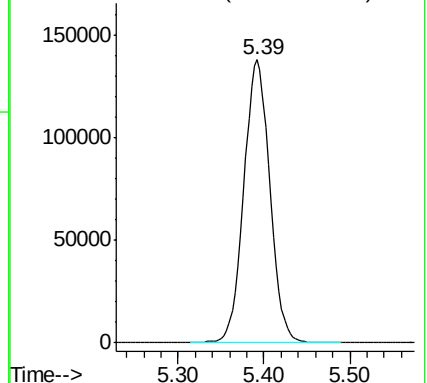
Lab File: VU026750.D

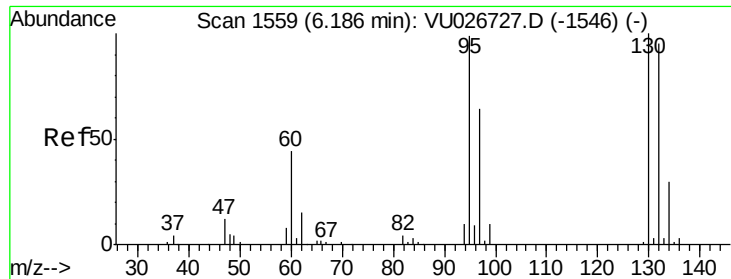
Acq: 14 Sep 2018 00:51

Tgt Ion: 78 Resp: 291041



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 54.393 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 95 Resp: 69516

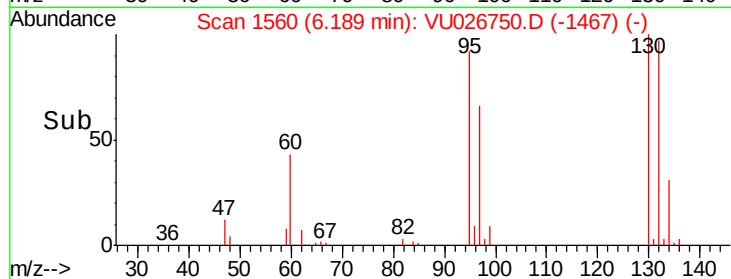
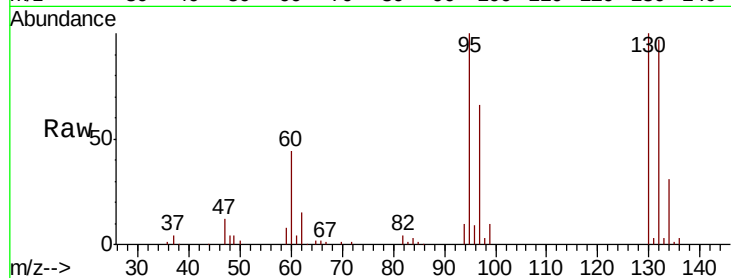
Ion Ratio Lower Upper

95 100

97 66.1 44.9 83.5

132 96.8 69.7 129.5

130 99.8 72.4 134.4

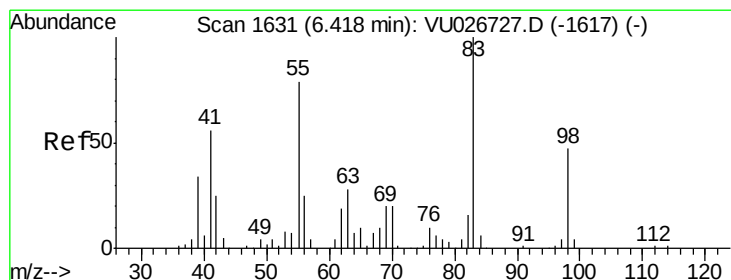
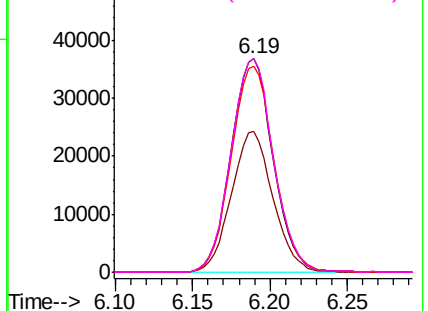


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 54.202 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

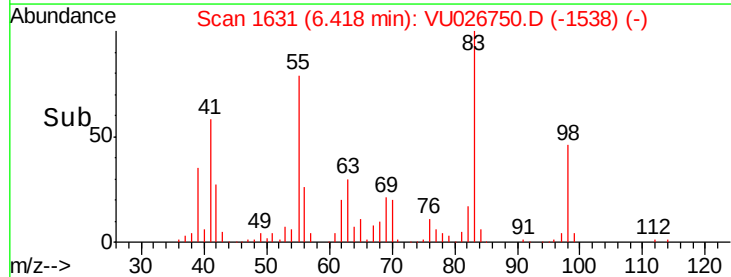
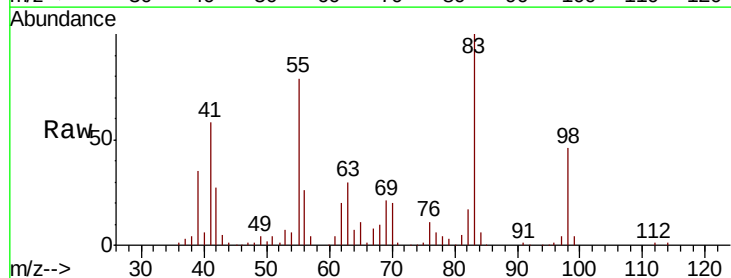
Tgt Ion: 83 Resp: 110884

Ion Ratio Lower Upper

83 100

55 78.2 62.9 94.3

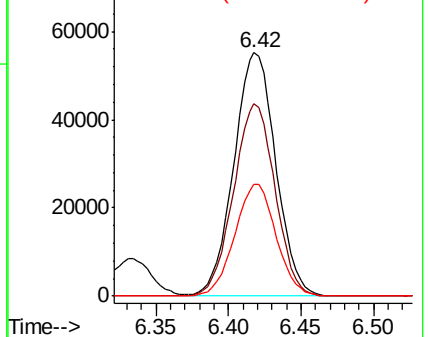
98 45.2 37.0 55.4

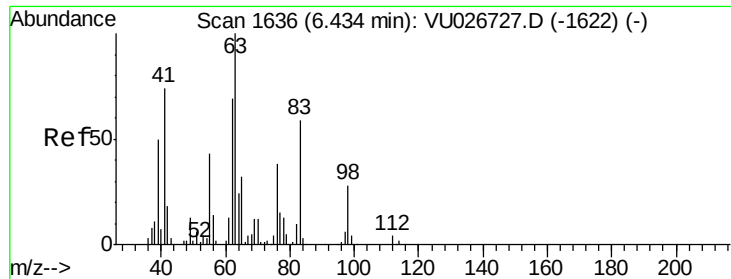


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

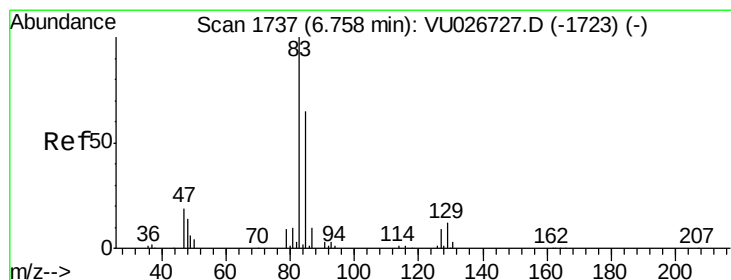
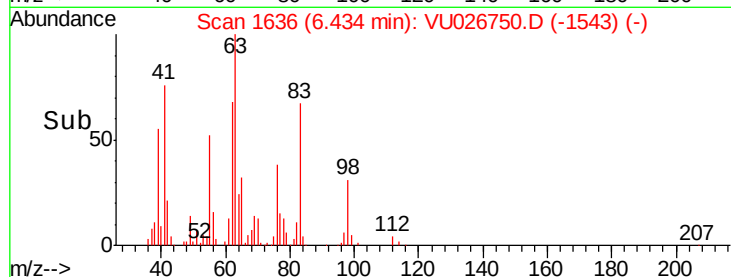
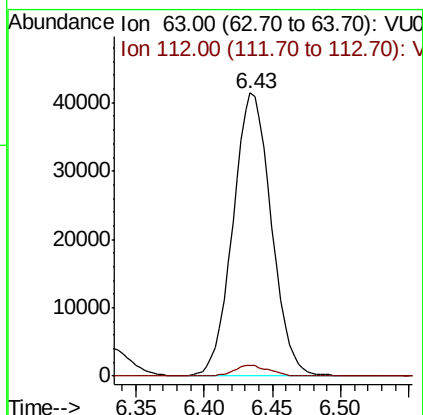
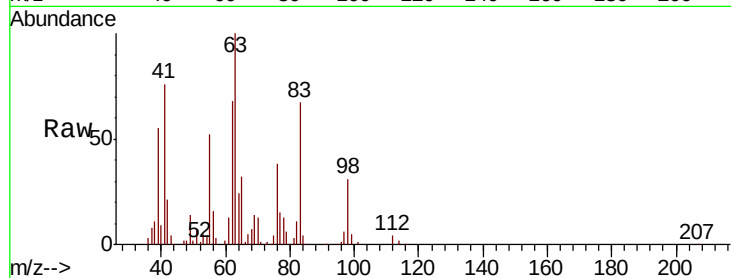




#37
 1,2-Dichloropropane
 Concen: 56.415 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

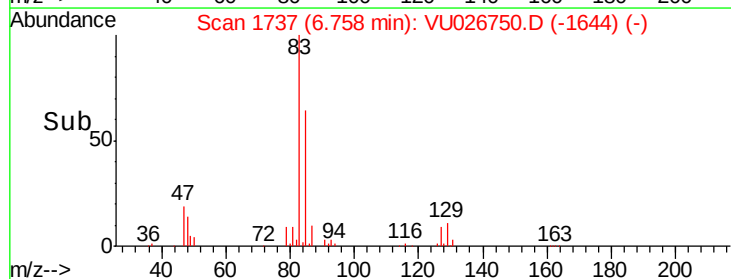
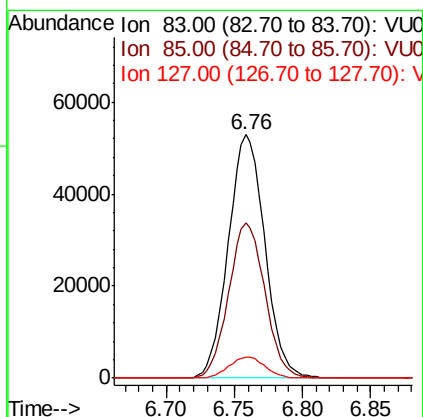
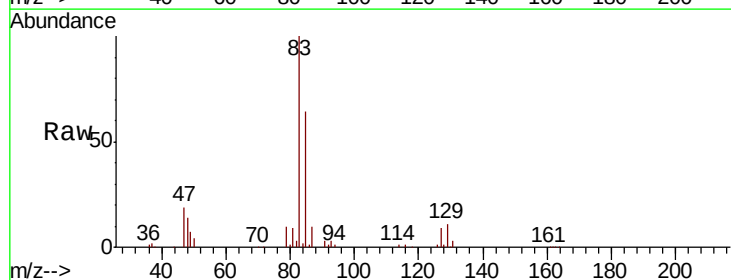
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

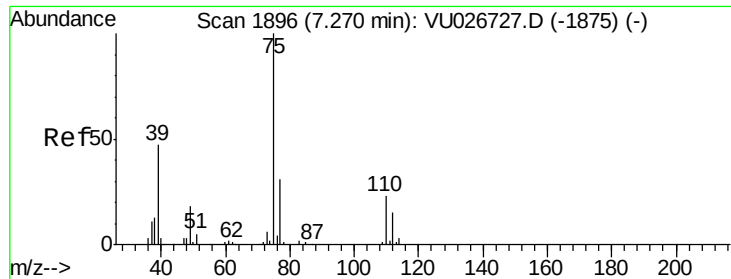
Tgt Ion: 63 Resp: 81037
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 55.911 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

Tgt Ion: 83 Resp: 98423
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.9
 127 8.7 7.2 10.8

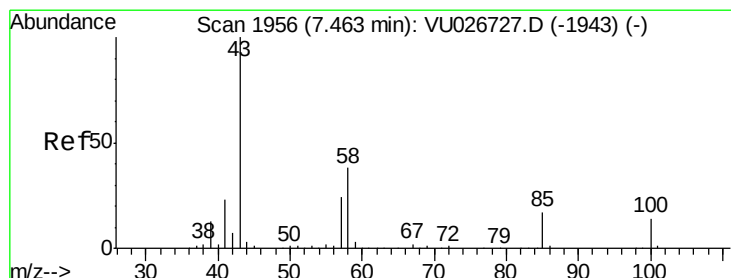
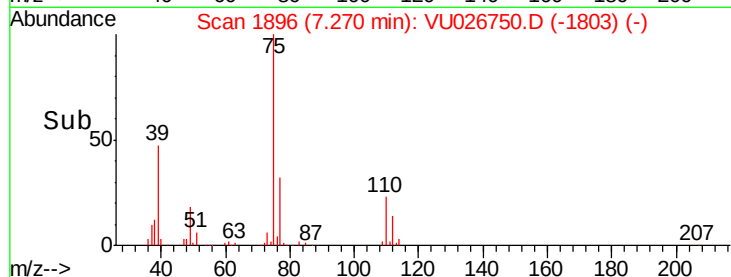
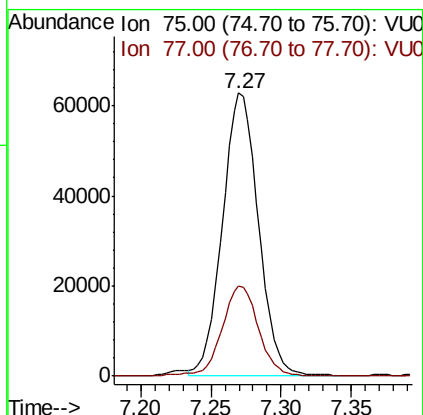
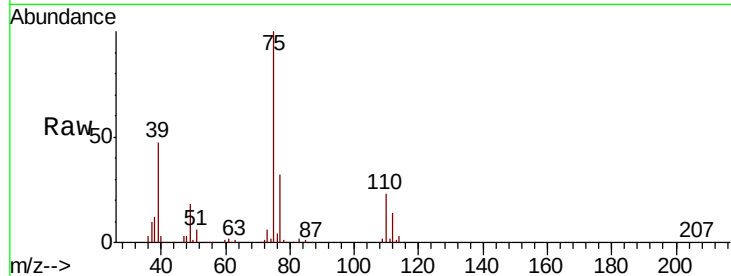




#39
 cis-1,3-Dichloropropene
 Concen: 52.071 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

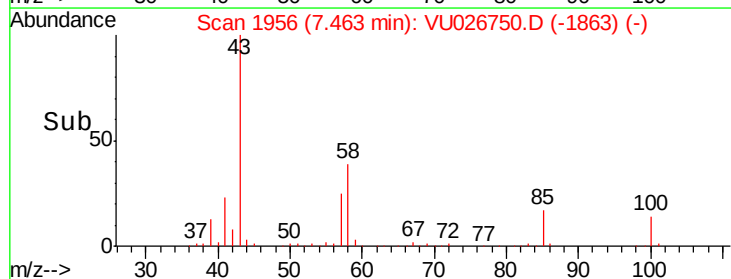
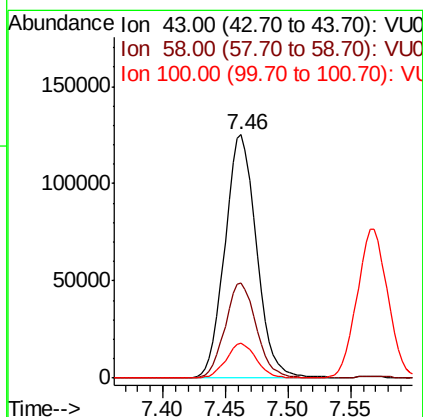
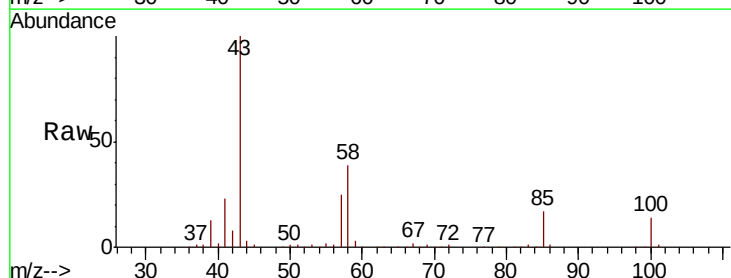
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

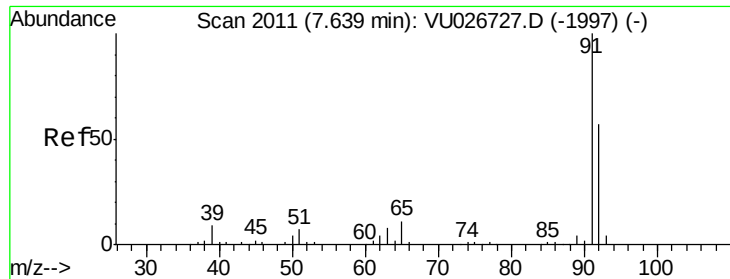
Tgt Ion: 75 Resp: 110683
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 119.825 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

Tgt Ion: 43 Resp: 219559
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.1 46.7
 100 13.9 11.3 16.9





#42

Toluene

Concen: 55.323 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

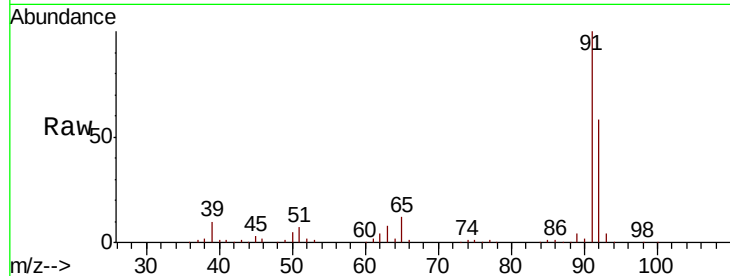
VSTD05042

Tgt Ion: 91 Resp: 294840

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU026727.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU026750.D (-1918) (-)

7.64

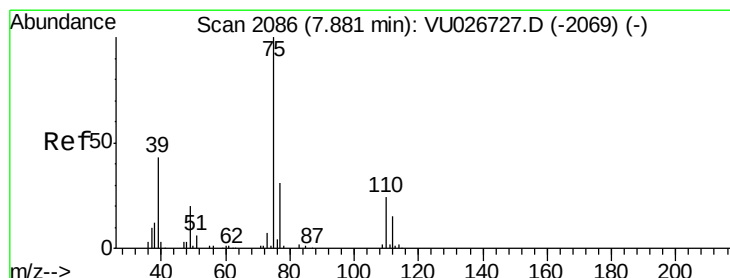
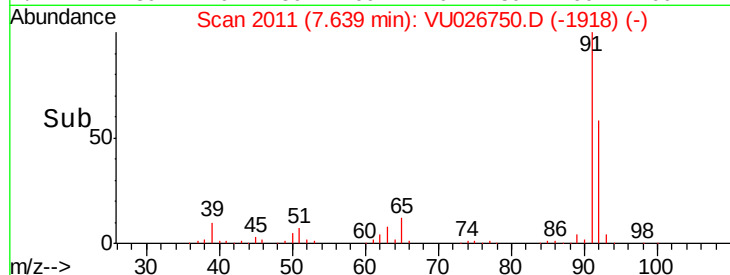
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.063 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026750.D

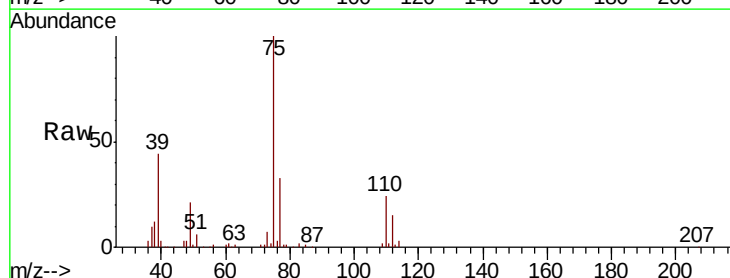
Acq: 14 Sep 2018 00:51

Tgt Ion: 75 Resp: 104930

Ion Ratio Lower Upper

75 100

77 32.7 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU026727.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU026750.D (-1993) (-)

7.88

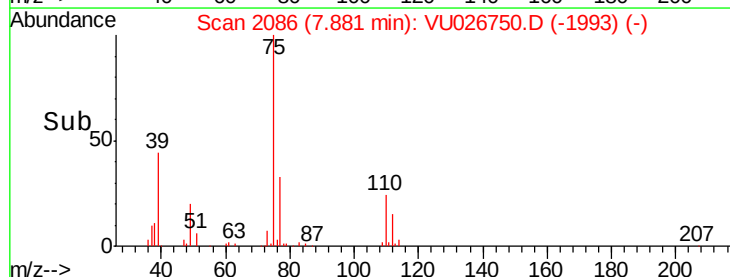
60000

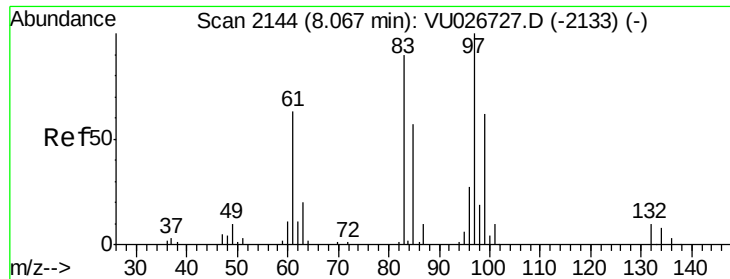
40000

20000

0

Time-->

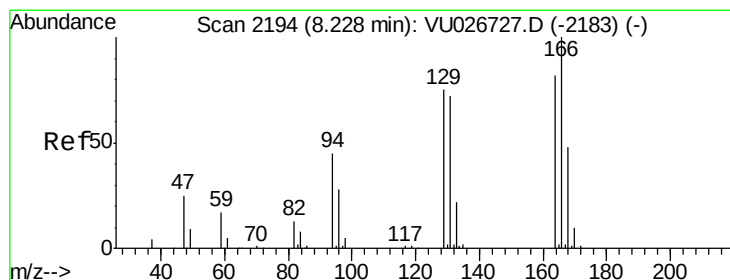
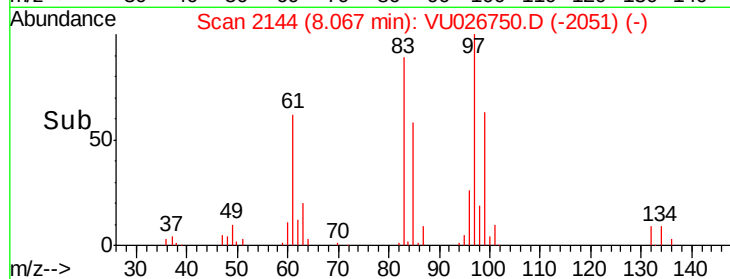
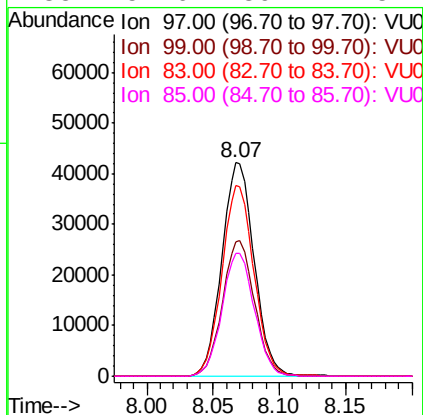
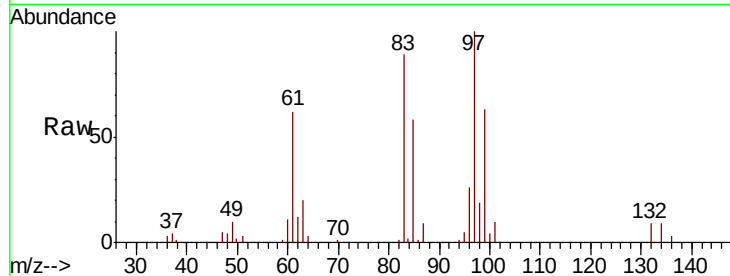




#45
 1,1,2-Trichloroethane
 Concen: 56.218 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

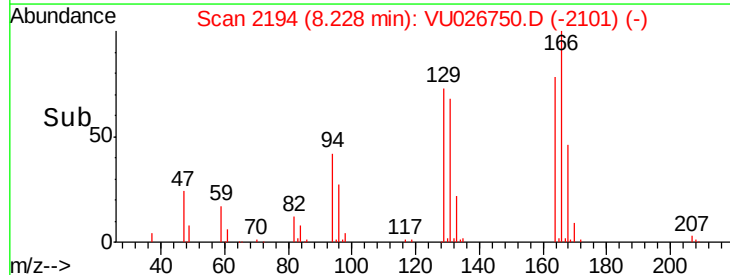
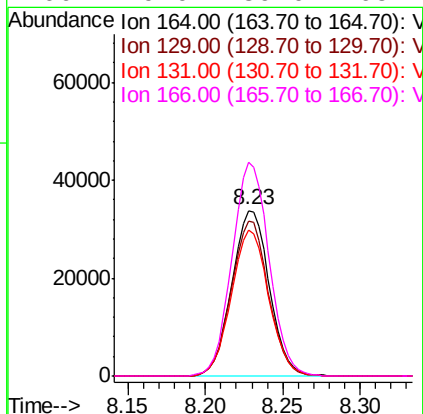
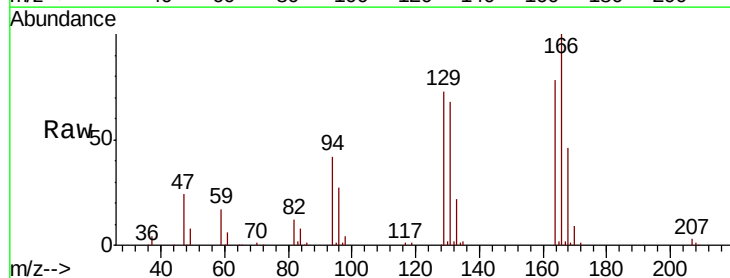
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

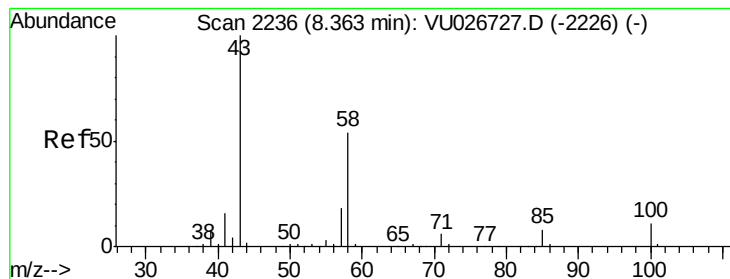
Tgt Ion:	97	Resp:	71632
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.2
83	89.0	63.8	118.6
85	57.6	39.4	73.2



#46
 Tetrachloroethene
 Concen: 52.894 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

Tgt Ion:	164	Resp:	56814
Ion	Ratio	Lower	Upper
164	100		
129	93.9	65.0	120.8
131	87.8	62.5	116.1
166	129.0	89.0	165.2





#48

2-Hexanone

Concen: 110.655 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 43 Resp: 171184

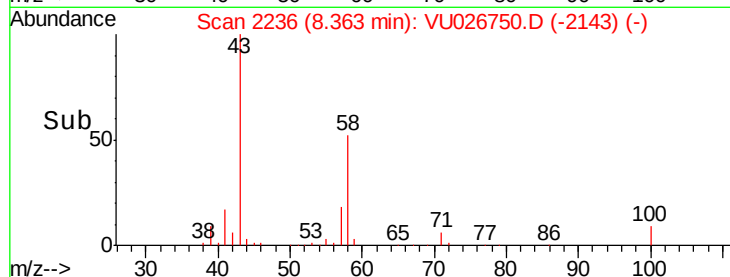
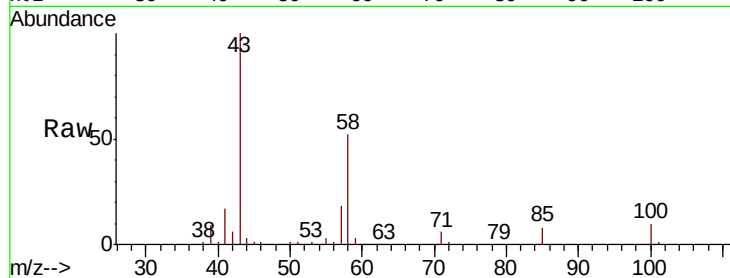
Ion Ratio Lower Upper

43 100

58 53.5 42.2 63.4

57 17.9 14.4 21.6

100 10.6 8.7 13.1

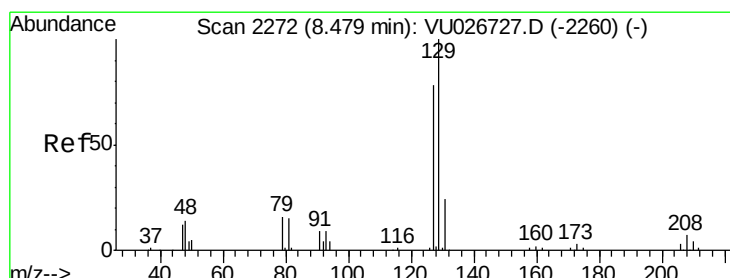
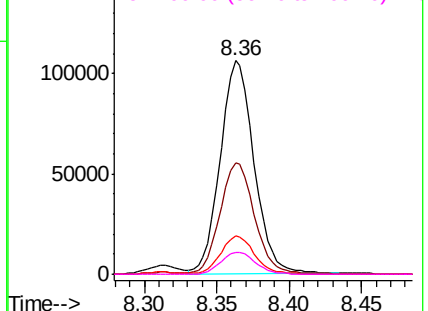


Abundance Ion 43.00 (42.70 to 43.70): VU026750.D (-2143) (-)

Ion 58.00 (57.70 to 58.70): VU026750.D (-2143) (-)

Ion 57.00 (56.70 to 57.70): VU026750.D (-2143) (-)

Ion 100.00 (99.70 to 100.70): VU026750.D (-2143) (-)



#49

Dibromochloromethane

Concen: 55.275 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU026750.D

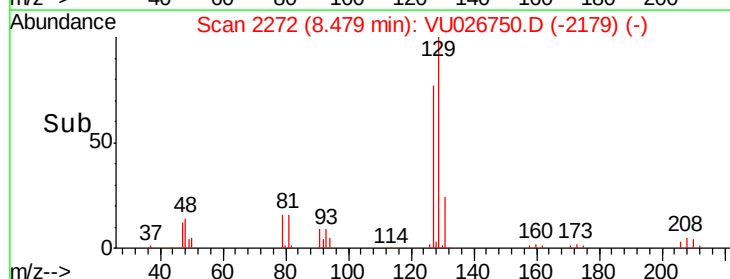
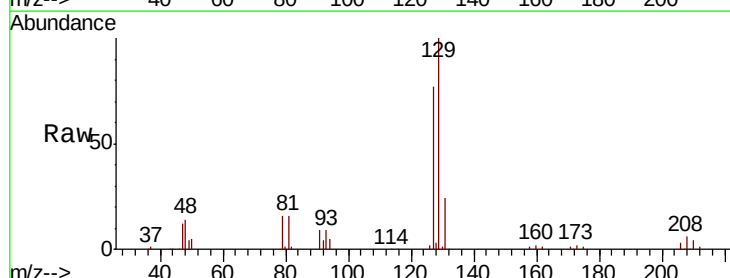
Acq: 14 Sep 2018 00:51

Tgt Ion: 129 Resp: 81407

Ion Ratio Lower Upper

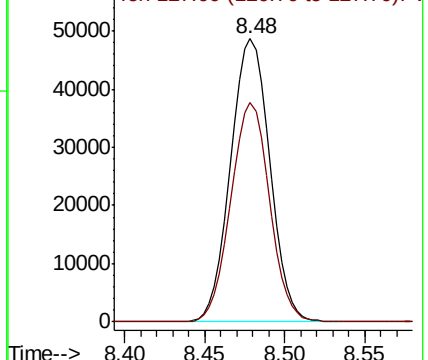
129 100

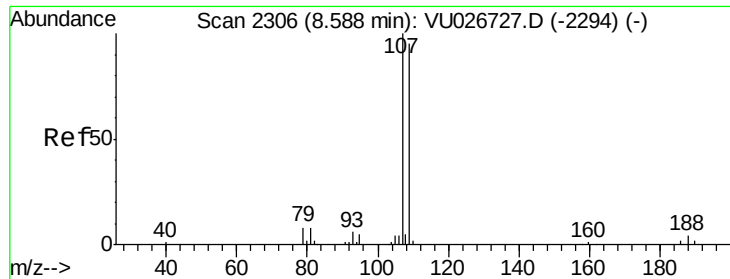
127 77.3 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): VU026750.D (-2179) (-)

Ion 127.00 (126.70 to 127.70): VU026750.D (-2179) (-)

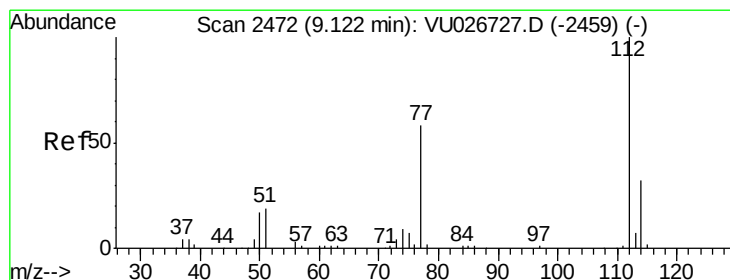
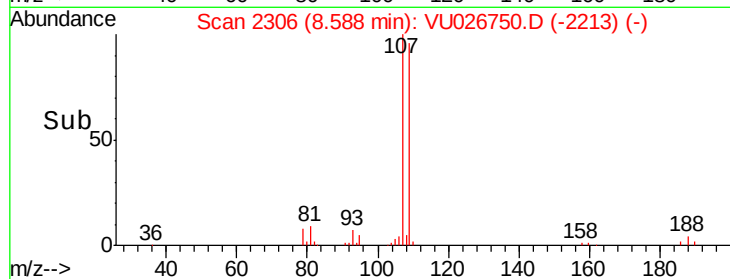
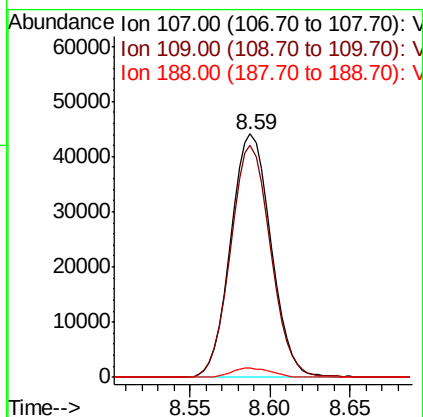
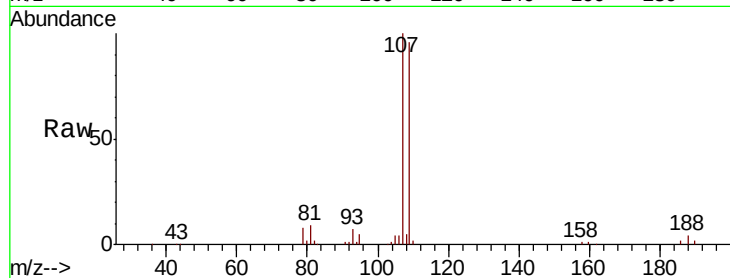




#50
 1,2-Dibromoethane
 Concen: 55.607 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

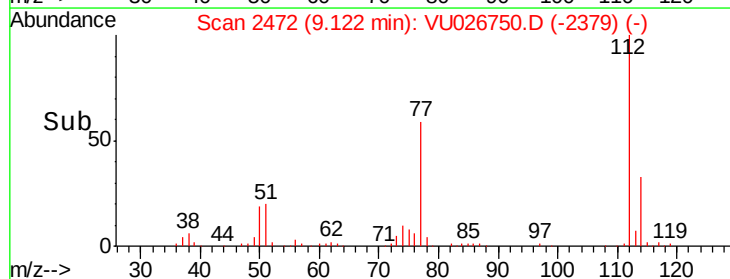
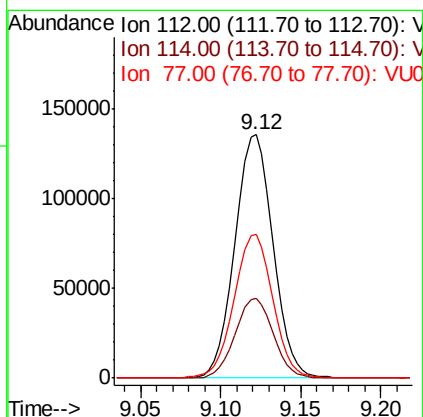
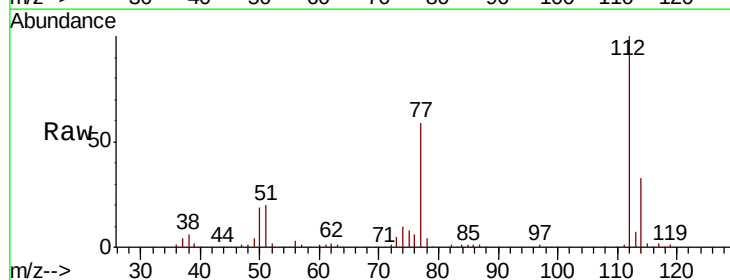
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

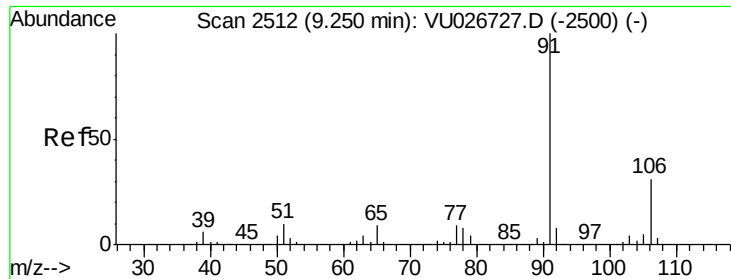
Tgt Ion:107 Resp: 75794
 Ion Ratio Lower Upper
 107 100
 109 95.5 66.4 123.4
 188 3.8 3.0 4.4



#51
 Chlorobenzene
 Concen: 62.933 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

Tgt Ion:112 Resp: 220222
 Ion Ratio Lower Upper
 112 100
 114 32.8 22.9 42.5
 77 58.8 47.2 70.8





#52

Ethylbenzene

Concen: 55.704 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

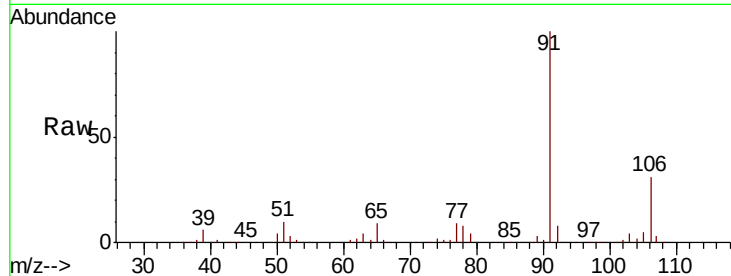
VSTD05042

Tgt Ion: 91 Resp: 321061

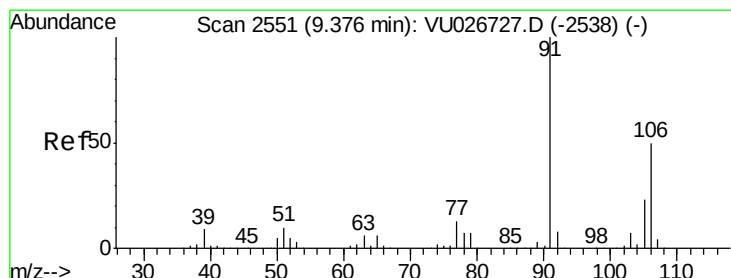
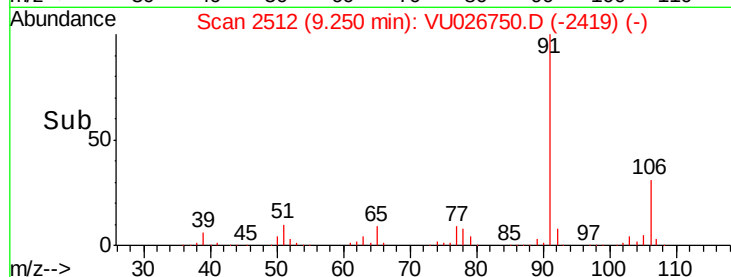
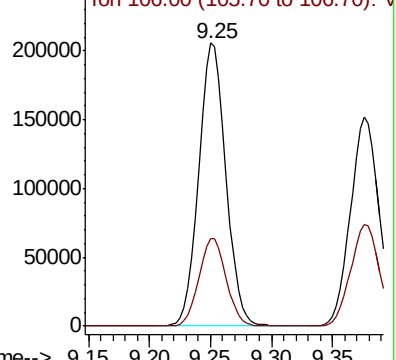
Ion Ratio Lower Upper

91 100

106 31.1 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU026727.D (-2500) (-)



#53

m,p-Xylene

Concen: 55.885 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026750.D

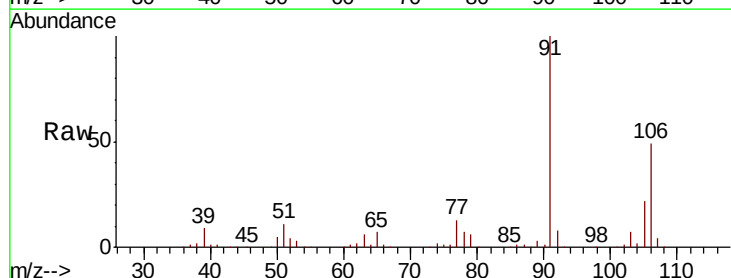
Acq: 14 Sep 2018 00:51

Tgt Ion: 106 Resp: 121453

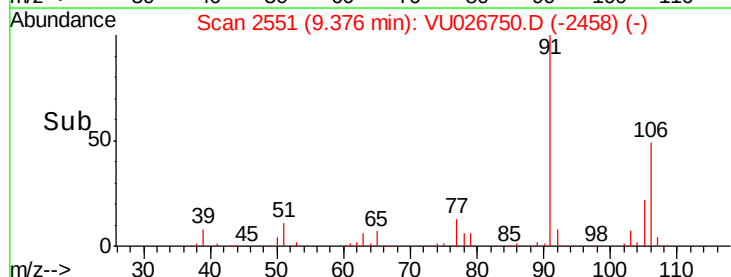
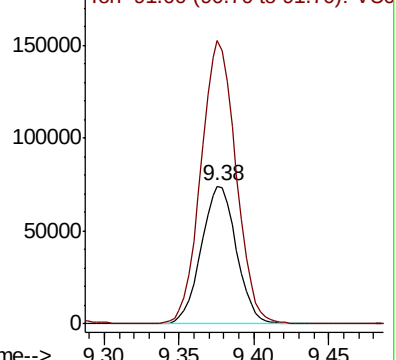
Ion Ratio Lower Upper

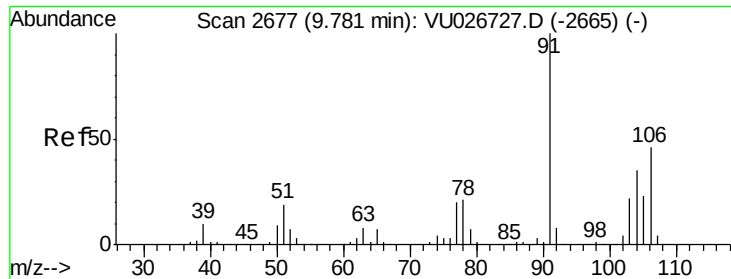
106 100

91 205.1 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU026750.D (-2458) (-)





#54

o-xylene

Concen: 56.844 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

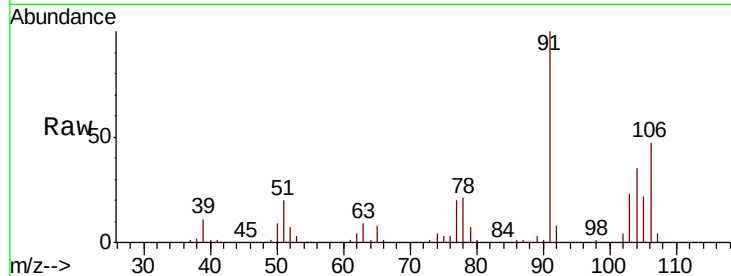
VSTD05042

Tgt Ion:106 Resp: 122607

Ion Ratio Lower Upper

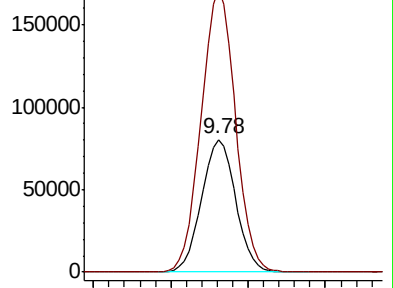
106 100

91 213.7 149.4 277.4

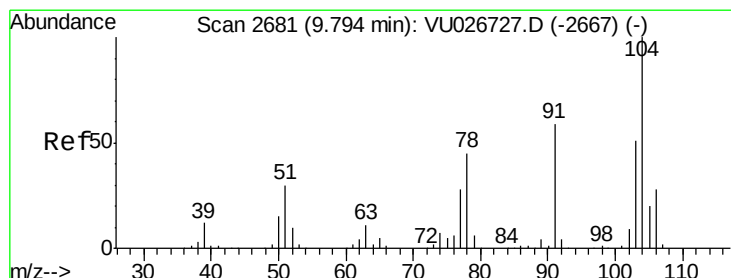
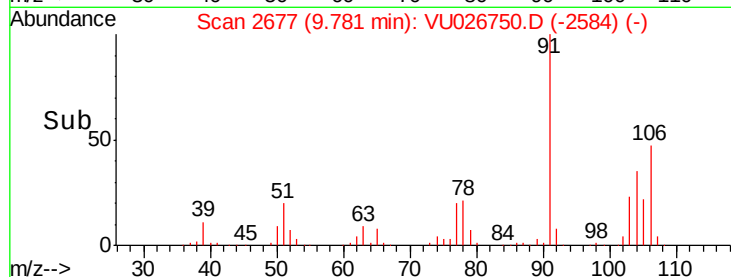


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 56.523 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026750.D

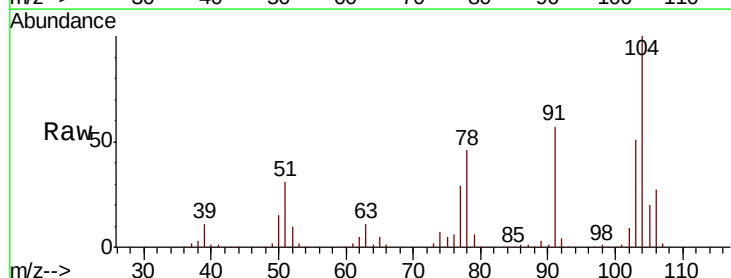
Acq: 14 Sep 2018 00:51

Tgt Ion:104 Resp: 206228

Ion Ratio Lower Upper

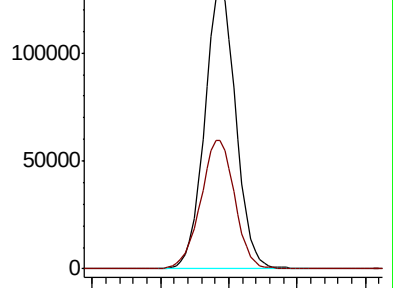
104 100

78 45.5 31.7 58.9

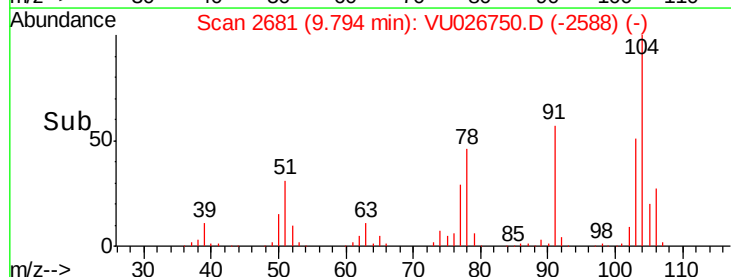


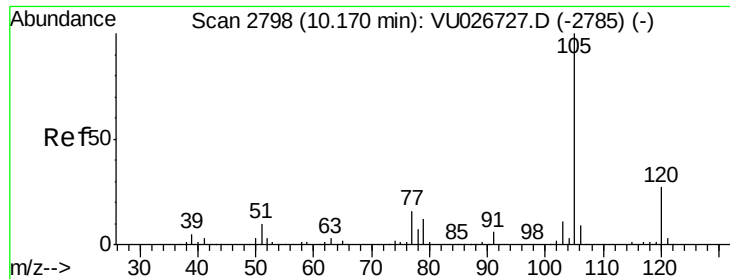
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 56.577 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

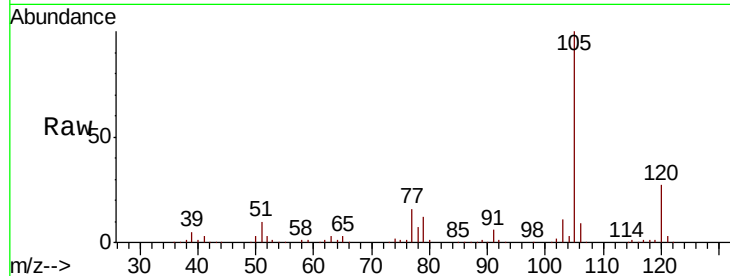
Tgt Ion: 105 Resp: 310858

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

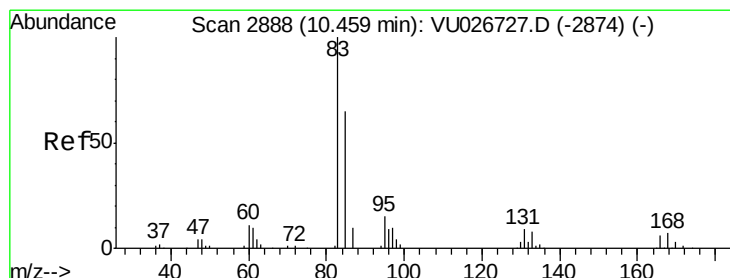
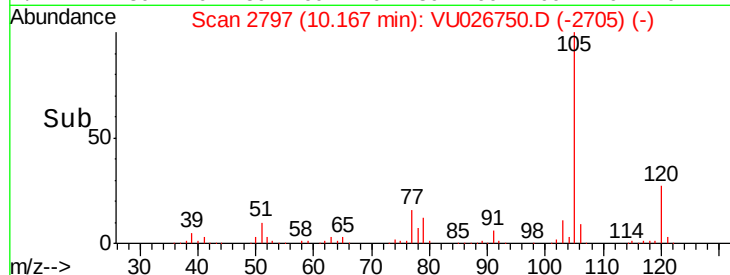
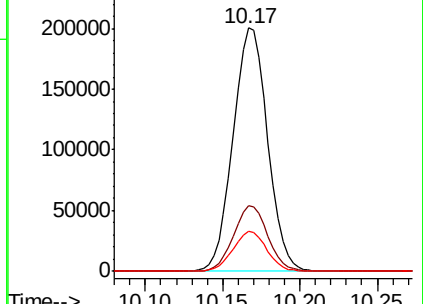
77 16.0 12.6 18.8



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: 56.050 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

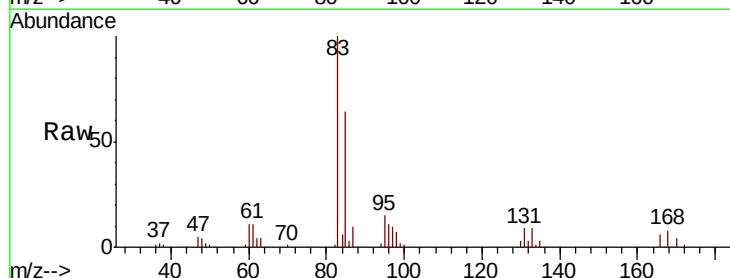
Tgt Ion: 83 Resp: 123723

Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.2

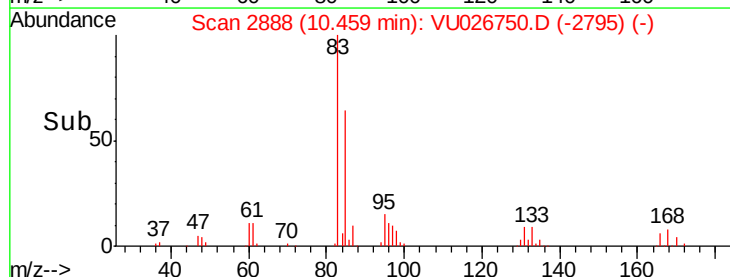
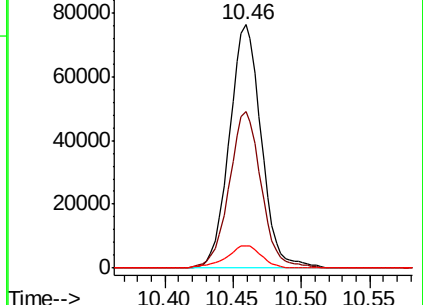
131 9.4 8.0 12.0

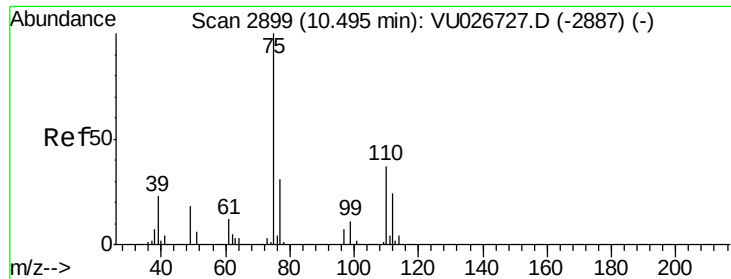


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 55.915 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

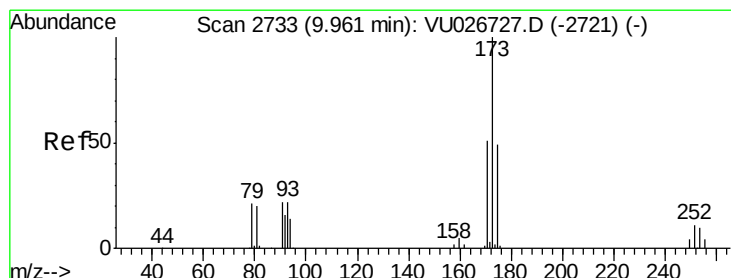
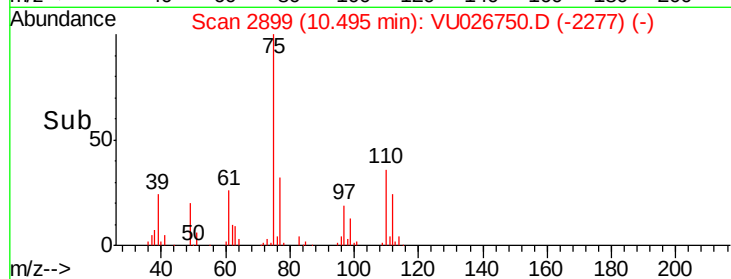
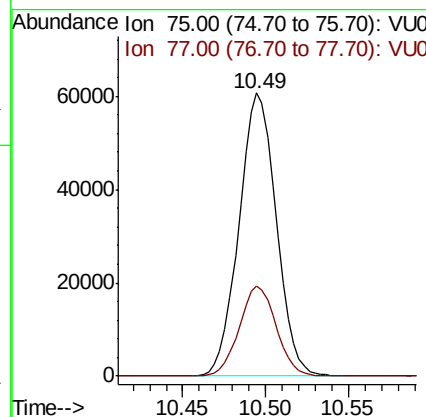
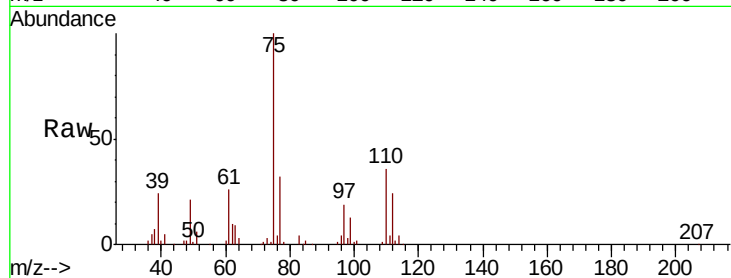
VSTD05042

Tgt Ion: 75 Resp: 95033

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



#61

Bromoform

Concen: 54.894 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

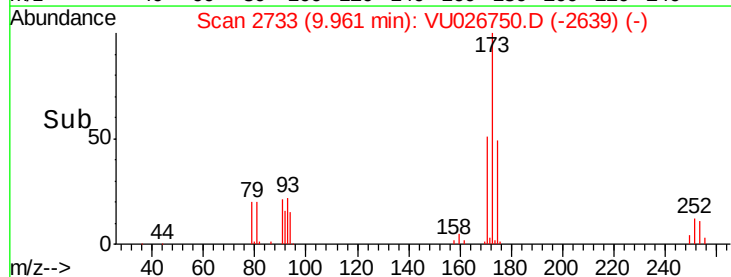
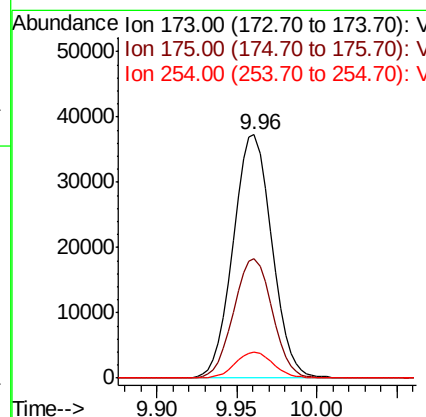
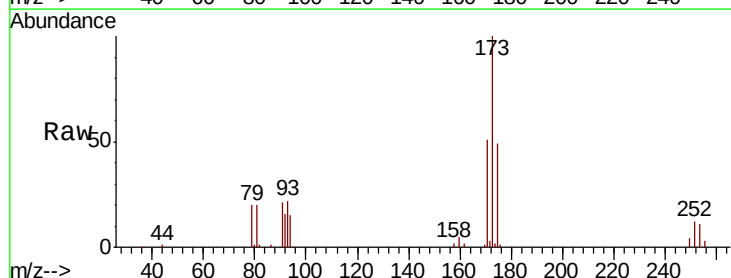
Tgt Ion: 173 Resp: 61631

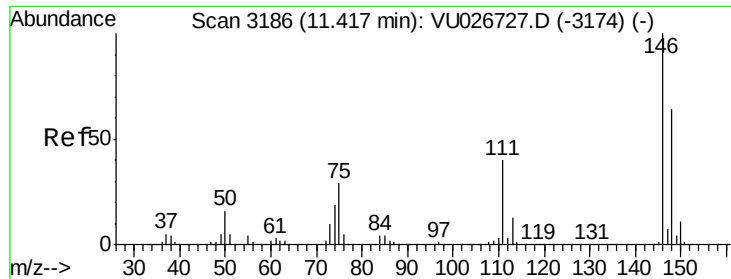
Ion Ratio Lower Upper

173 100

175 48.9 38.2 57.4

254 10.3 8.2 12.4

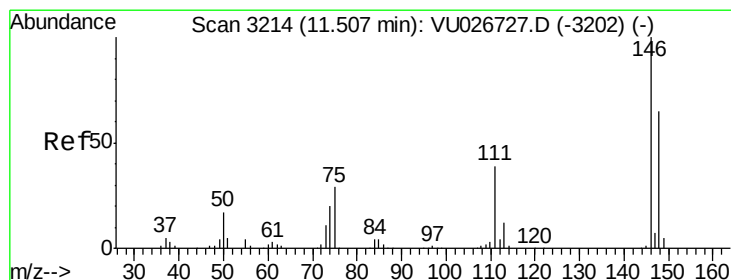
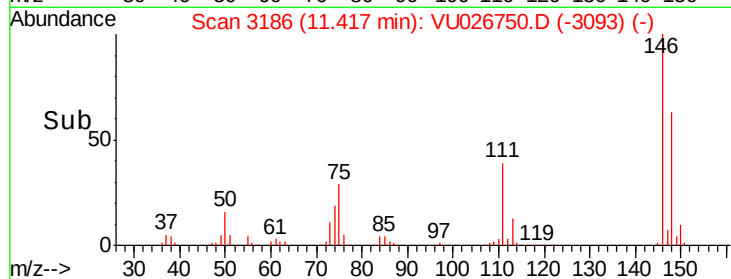
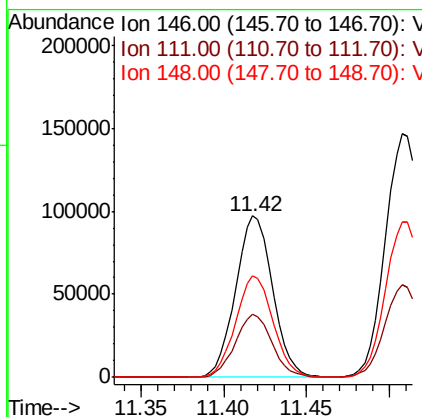
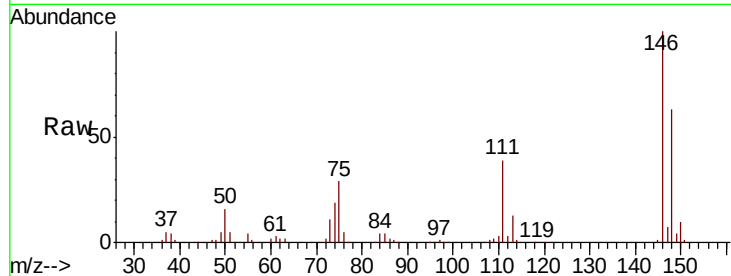




#62
 1,3-Dichlorobenzene
 Concen: 57.674 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

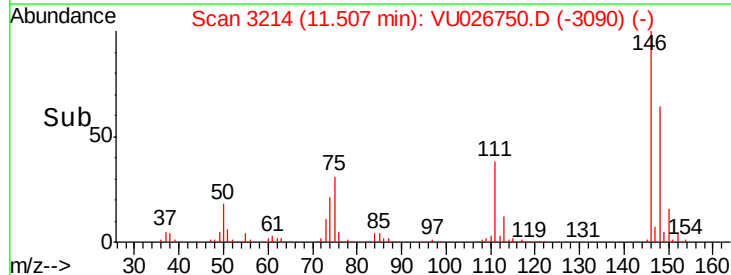
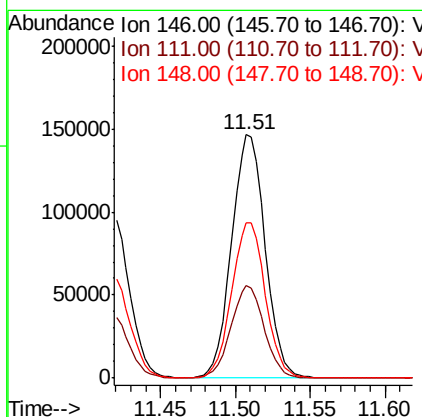
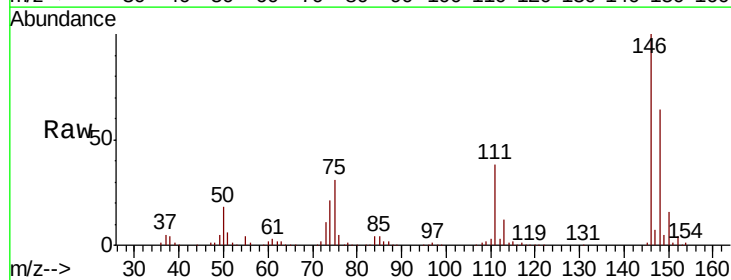
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

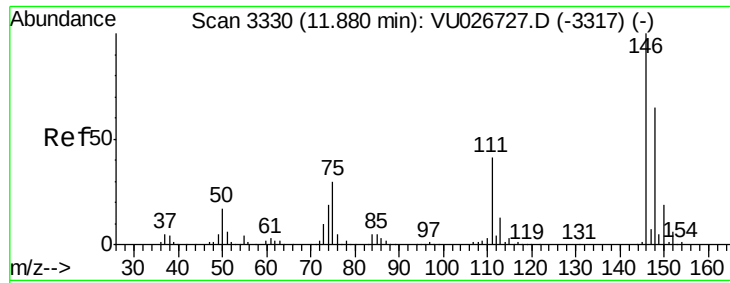
Tgt Ion:146 Resp: 150930
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.7 49.5
 148 62.8 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 82.155 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

Tgt Ion:146 Resp: 227757
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.5 49.3
 148 63.9 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 98.892 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

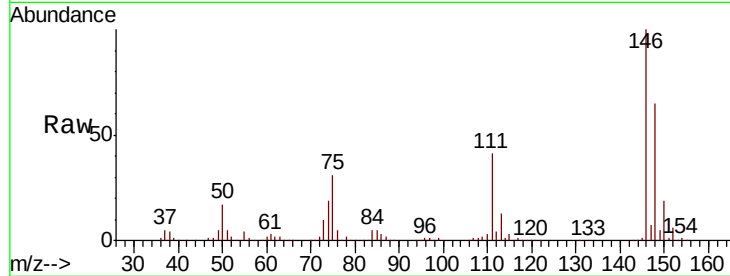
Tgt Ion: 146 Resp: 273511

Ion Ratio Lower Upper

146 100

111 40.9 32.8 49.2

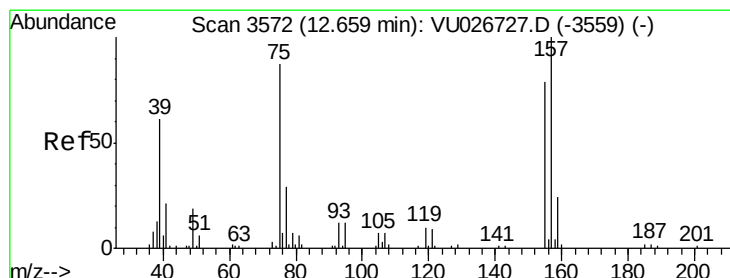
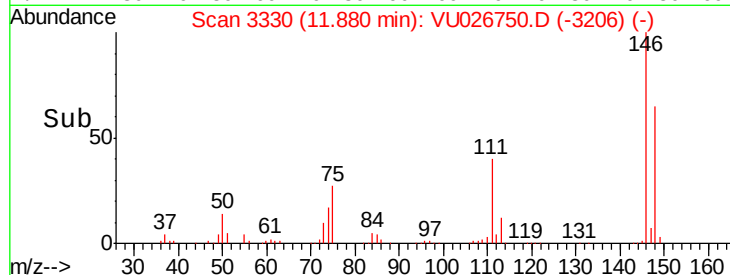
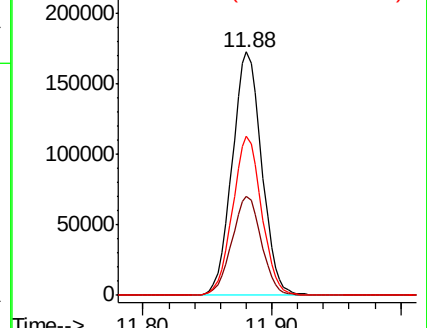
148 65.1 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 57.555 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

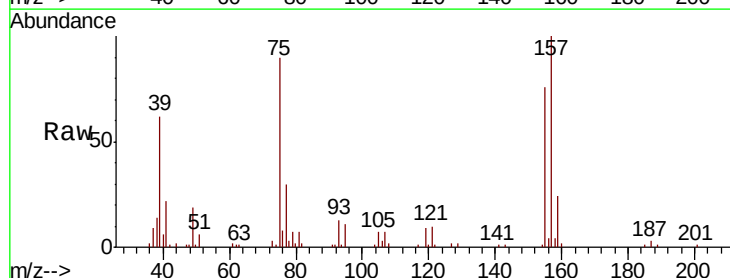
Tgt Ion: 75 Resp: 25717

Ion Ratio Lower Upper

75 100

155 84.6 69.3 103.9

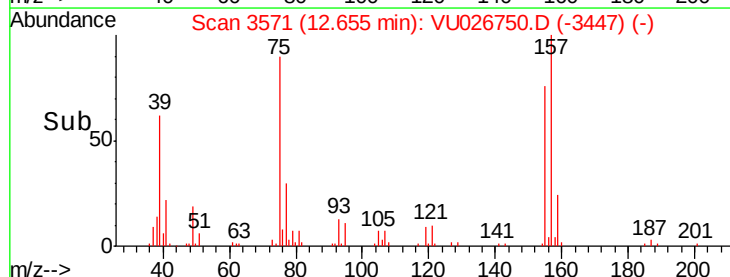
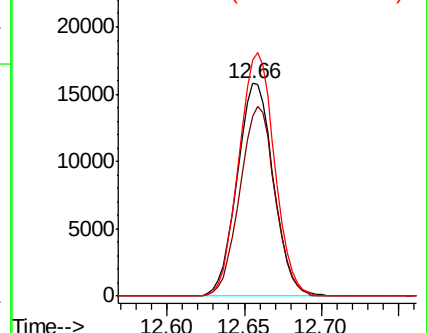
157 110.9 93.4 140.0

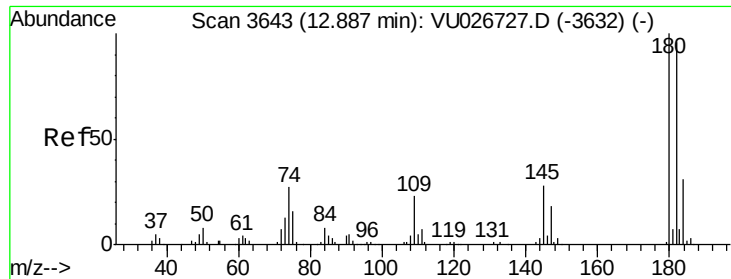


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

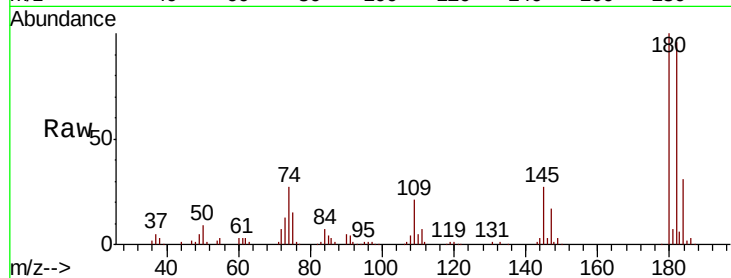




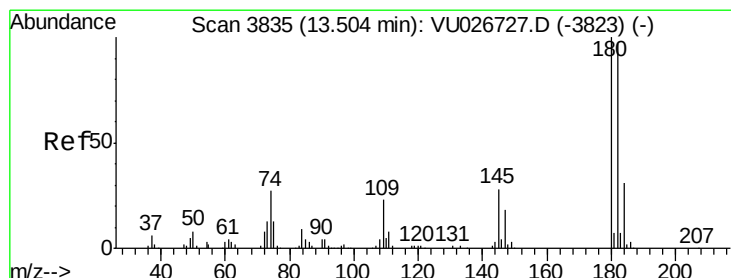
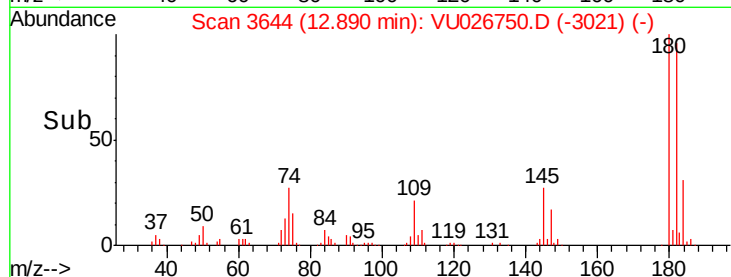
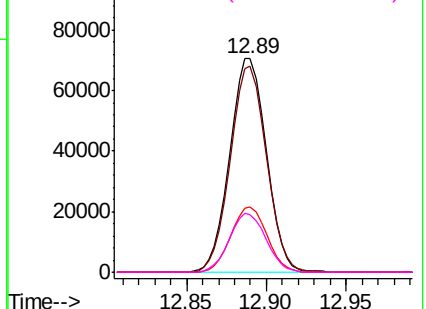
#67
 1,3,5-Trichlorobenzene
 Concen: 52.933 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion:180 Resp: 109878
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.8 115.2
 184 30.0 24.2 36.2
 145 27.5 21.4 32.2

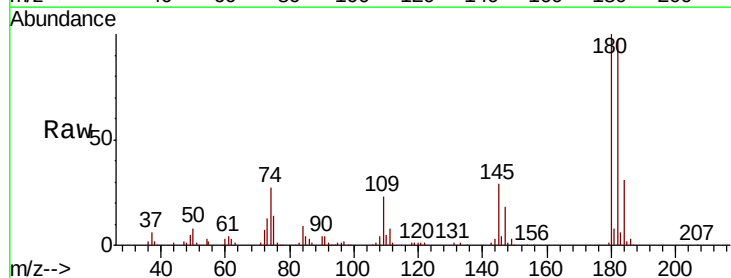


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

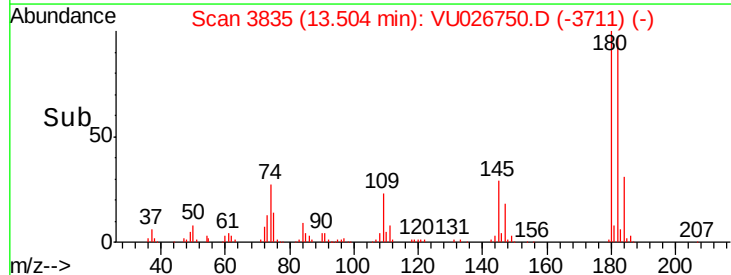
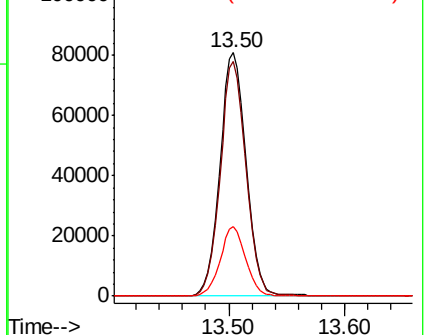


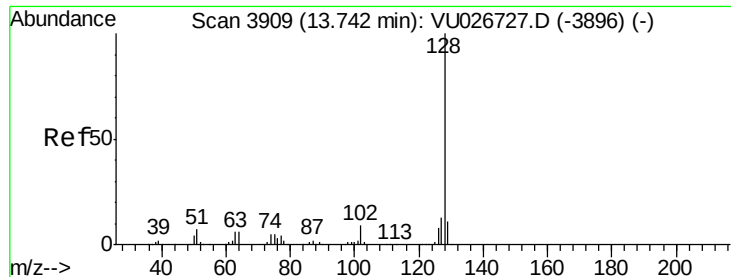
#68
 1,2,4-trichlorobenzene
 Concen: 70.610 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026750.D
 Acq: 14 Sep 2018 00:51

Tgt Ion:180 Resp: 127395
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.0 114.0
 145 27.7 23.4 35.0



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: 58.493 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

Instrument :

MSVOA_U

ClientSampled :

VSTD05042

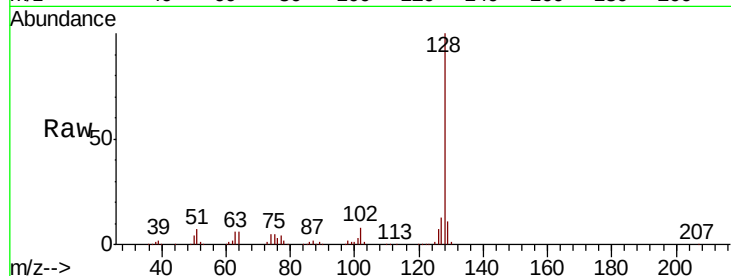
Tgt Ion:128 Resp: 323383

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

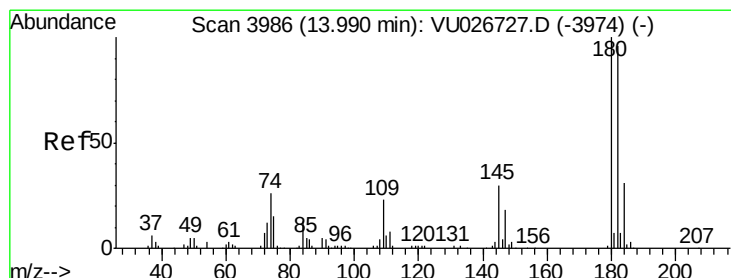
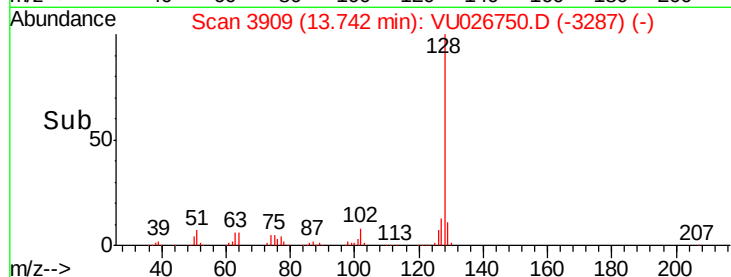
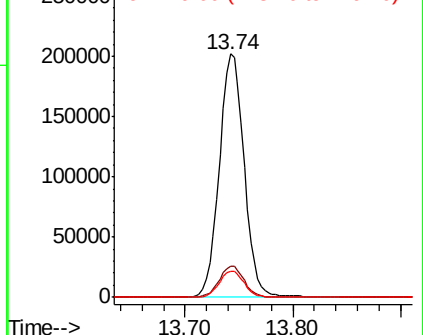
129 10.8 8.6 13.0



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: 58.754 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026750.D

Acq: 14 Sep 2018 00:51

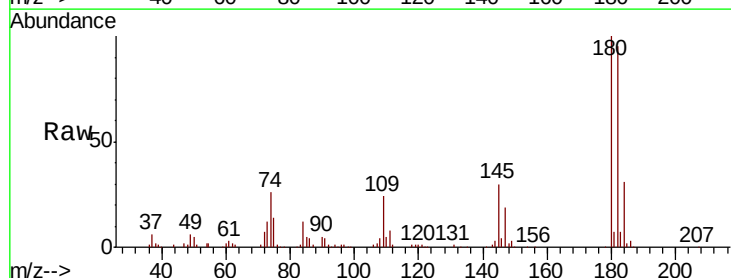
Tgt Ion:180 Resp: 114825

Ion Ratio Lower Upper

180 100

182 94.4 76.7 115.1

145 30.0 23.0 34.6



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

