

Data File : VU027806.D
Acq On : 25 Oct 2018 15:45
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Quant Time: Oct 26 02:19:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 23 08:01:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	79887	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	76064	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	38235	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27301	43.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.84%
7) Chloroethane-d5	1.68	69	21243	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.78%
11) 1,1-Dichloroethene-d2	2.28	63	53854	48.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.22%
21) 2-Butanone-d5	4.18	46	50879	96.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.05%
24) Chloroform-d	4.65	84	56643	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.38%
26) 1,2-Dichloroethane-d4	5.31	65	40486	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
32) Benzene-d6	5.34	84	100466	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
36) 1,2-Dichloropropane-d6	6.33	67	36430	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.57	98	93119	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.85	79	18257	48.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.22%
47) 2-Hexanone-d5	8.31	63	36600	92.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	49104	49.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	36404	46.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	36597	56.370	ug/L 99
3) Chloromethane	1.33	50	39147	51.473	ug/L 98
5) Vinyl chloride	1.41	62	37464	51.931	ug/L 98
6) Bromomethane	1.62	94	14900	40.962	ug/L 99
8) Chloroethane	1.70	64	20288	52.104	ug/L 98
9) Trichlorofluoromethane	1.89	101	49493	56.940	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	25064	52.657	ug/L 98
12) 1,1-Dichloroethene	2.29	96	22522	50.595	ug/L 92
13) Acetone	2.32	43	42863	116.169	ug/L 99
14) Carbon disulfide	2.48	76	75969	49.013	ug/L 98
15) Methyl Acetate	2.62	43	38184	49.175	ug/L 97
16) Methylene chloride	2.70	84	27559	50.119	ug/L 95
17) trans-1,2-Dichloroethene	2.98	96	25393	51.569	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	95393	51.830	ug/L 99
19) 1,1-Dichloroethane	3.45	63	57290	53.614	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	29584	50.785	ug/L 96
22) 2-Butanone	4.26	43	59374	108.146	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	14525	53.399	ug/L	95
25) Chloroform	4.68	83	57180	55.141	ug/L	100
27) 1,2-Dichloroethane	5.40	62	51410	57.126	ug/L	98
29) Cyclohexane	5.00	56	55805	51.185	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	50710	55.000	ug/L	99
31) Carbon tetrachloride	5.14	117	43975	53.002	ug/L	98
33) Benzene	5.39	78	117326	51.850	ug/L	100
34) Trichloroethene	6.19	95	29732	52.485	ug/L	97
35) Methylcyclohexane	6.42	83	49482	50.507	ug/L	96
37) 1,2-Dichloropropane	6.43	63	35107	52.510	ug/L	99
38) Bromodichloromethane	6.76	83	45116	54.302	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	53290	51.765	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	107314	99.871	ug/L	99
42) Toluene	7.64	91	123074	51.935	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	50685	52.048	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	27938	50.589	ug/L	99
46) Tetrachloroethene	8.23	164	23196	53.022	ug/L	96
48) 2-Hexanone	8.36	43	86888	104.268	ug/L	99
49) Dibromochloromethane	8.48	129	33308	50.900	ug/L	97
50) 1,2-Dibromoethane	8.59	107	30621	51.950	ug/L	96
51) Chlorobenzene	9.12	112	74642	51.376	ug/L	96
52) Ethylbenzene	9.25	91	142399	53.122	ug/L	99
53) m,p-Xylene	9.38	106	50540	52.191	ug/L	93
54) o-xylene	9.78	106	51169	53.010	ug/L	97
55) Styrene	9.79	104	85333	51.936	ug/L	98
56) Isopropylbenzene	10.17	105	137857	53.927	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	50402	51.323	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	40327	51.037	ug/L	100
61) Bromoform	9.96	173	24654	48.371	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	60030	52.360	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	61321	52.454	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	61844	52.445	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	12537	51.023	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	47027	53.035	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	42862	54.449	ug/L	99
69) Naphthalene	13.74	128	132914	52.277	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	44391	53.956	ug/L	99

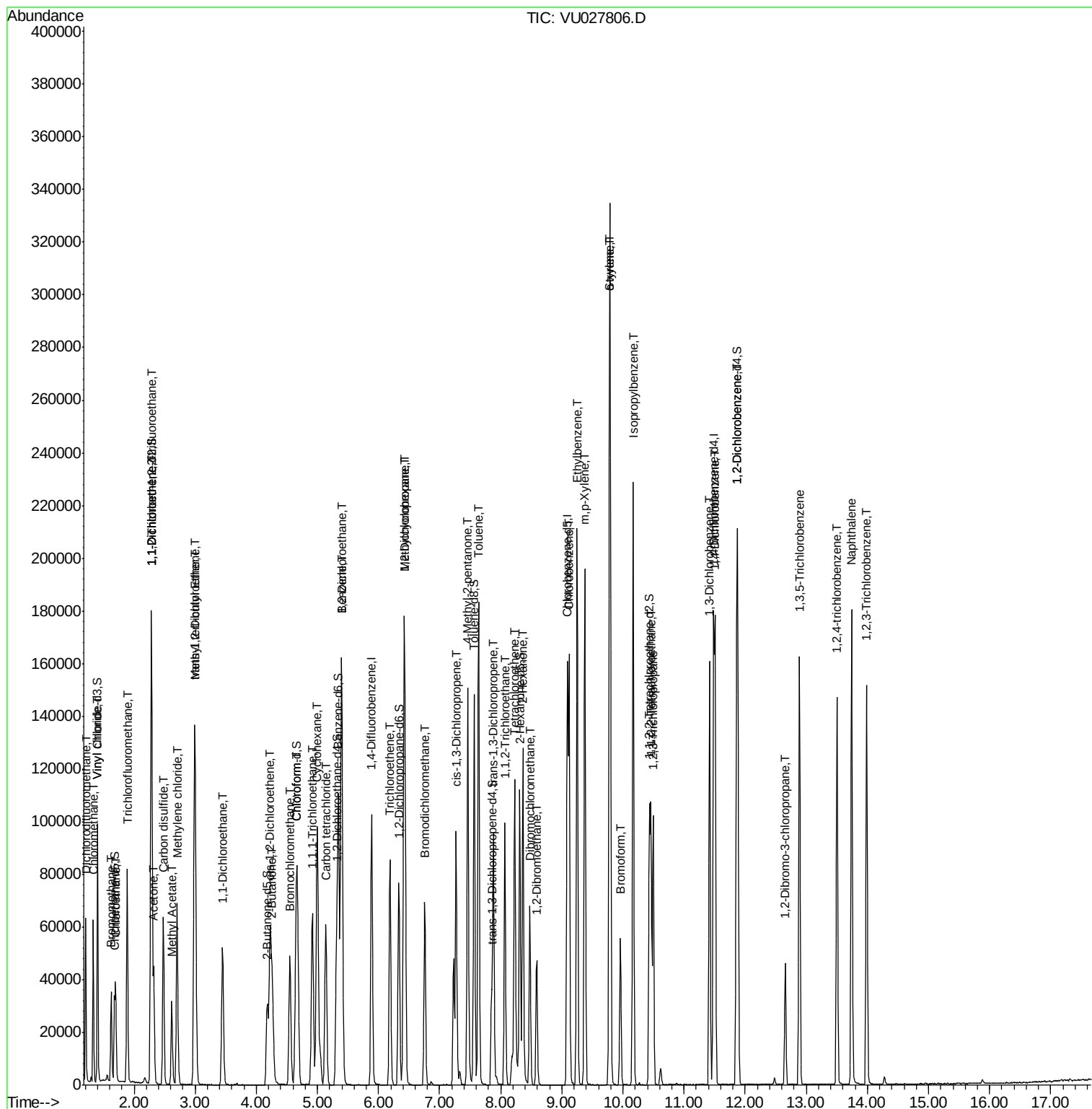
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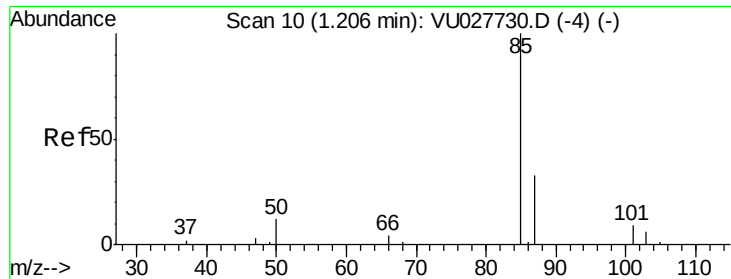
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#2

Dichlorodifluoromethane

Concen: 56.370 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

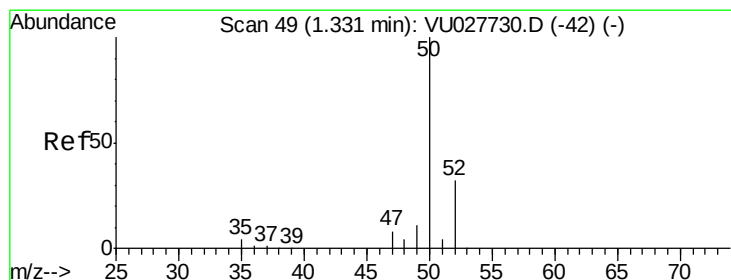
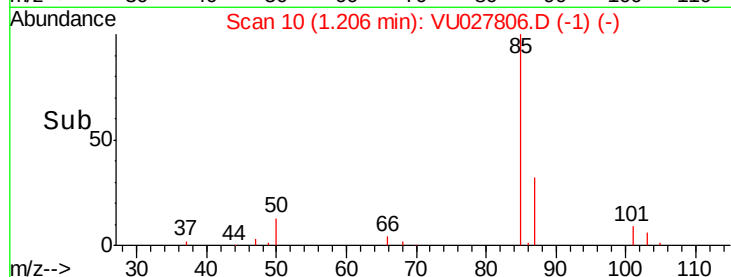
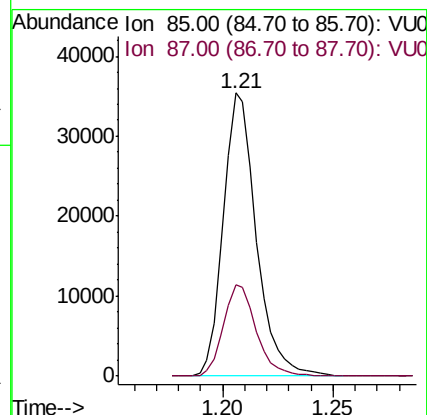
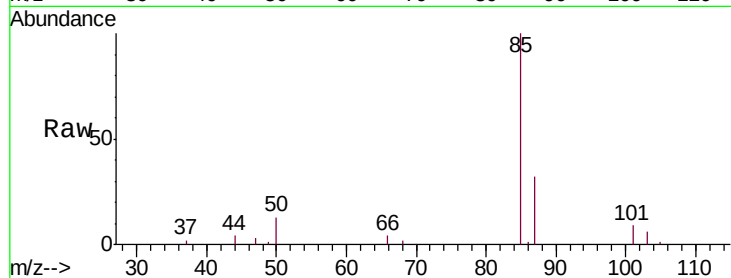
VSTD05031

Tgt Ion: 85 Resp: 36597

Ion Ratio Lower Upper

85 100

87 32.0 26.0 39.0



#3

Chloromethane

Concen: 51.473 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027806.D

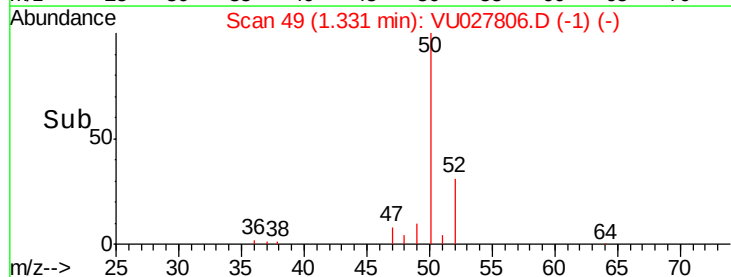
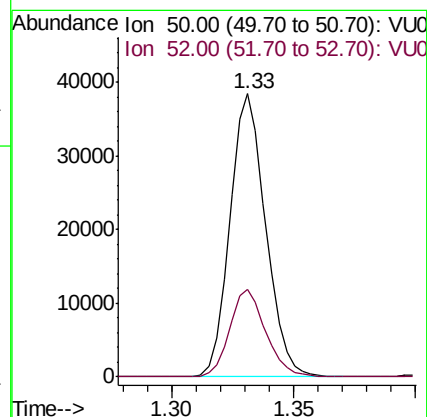
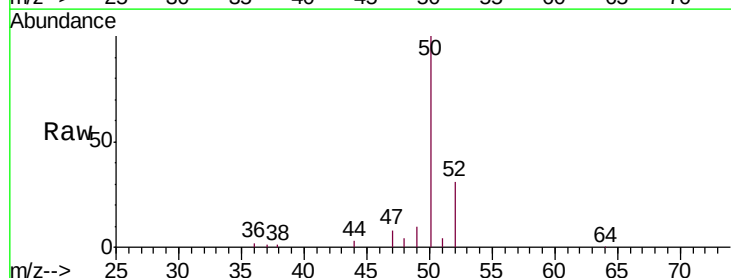
Acq: 25 Oct 2018 15:45

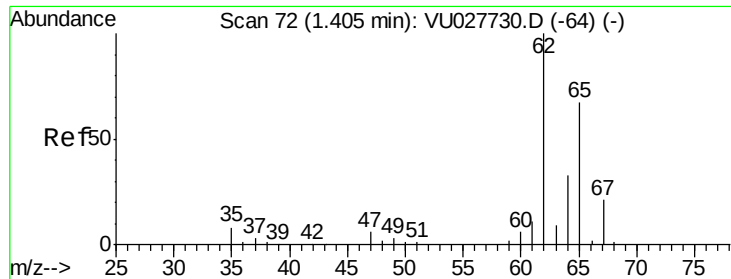
Tgt Ion: 50 Resp: 39147

Ion Ratio Lower Upper

50 100

52 30.9 22.3 41.5





#5

Vinyl chloride

Concen: 51.931 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

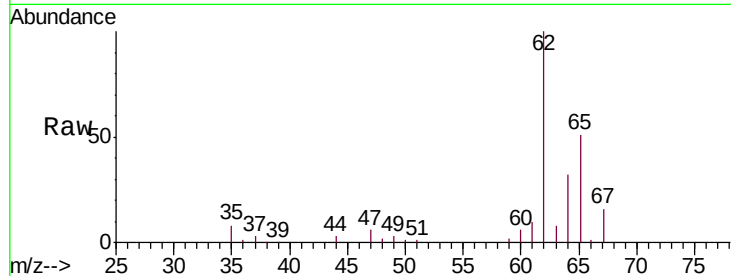
VSTD05031

Tgt Ion: 62 Resp: 37464

Ion Ratio Lower Upper

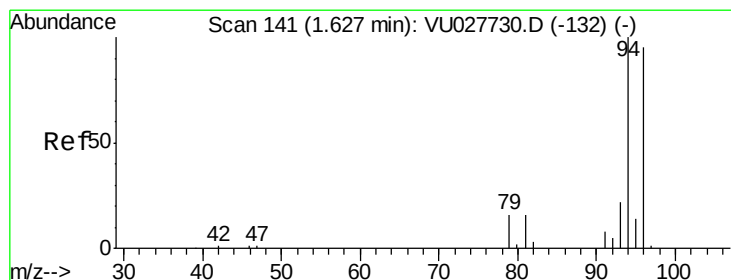
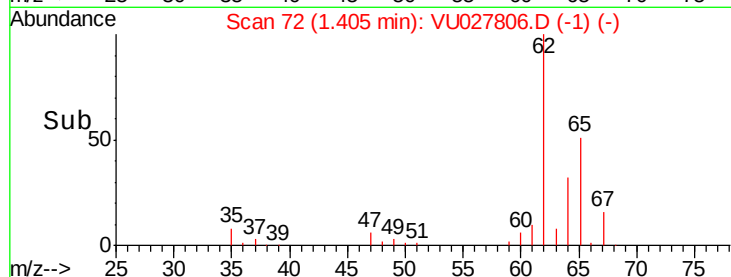
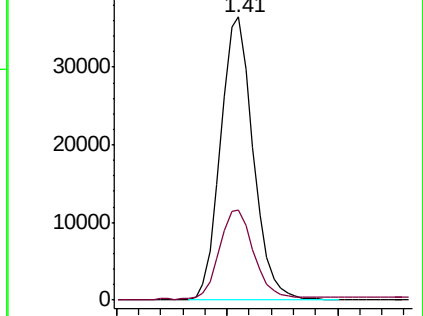
62 100

64 32.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 40.962 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU027806.D

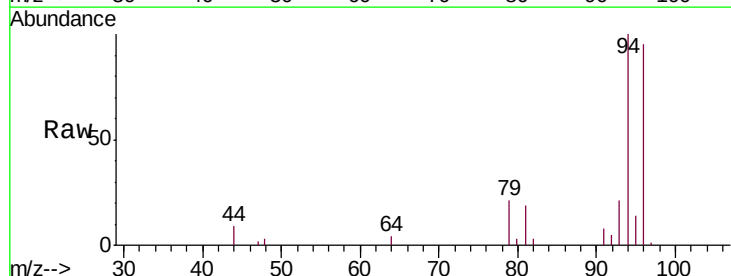
Acq: 25 Oct 2018 15:45

Tgt Ion: 94 Resp: 14900

Ion Ratio Lower Upper

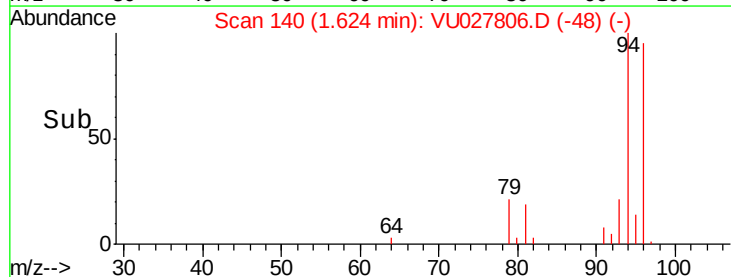
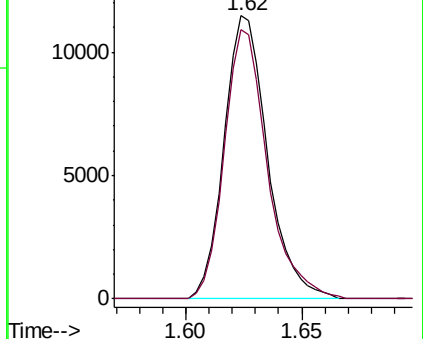
94 100

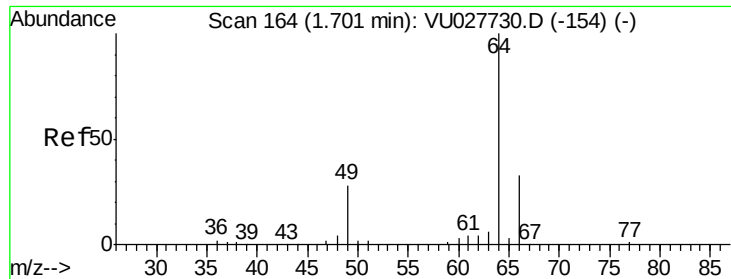
96 95.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 52.104 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

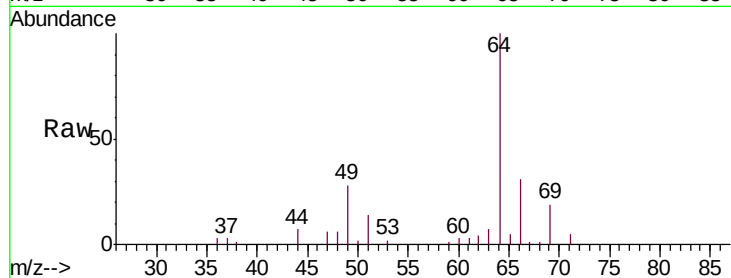
VSTD05031

Tgt Ion: 64 Resp: 20288

Ion Ratio Lower Upper

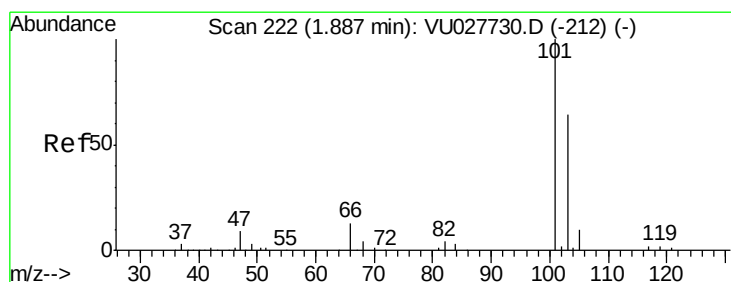
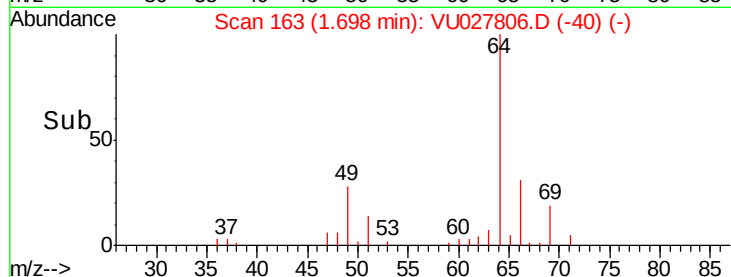
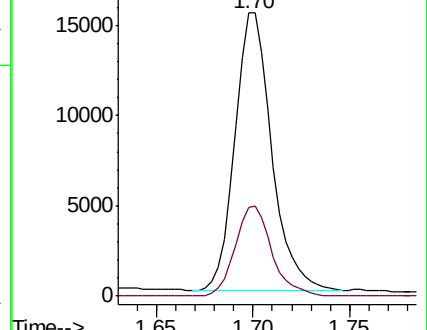
64 100

66 31.4 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU027730.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU027730.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 56.940 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027806.D

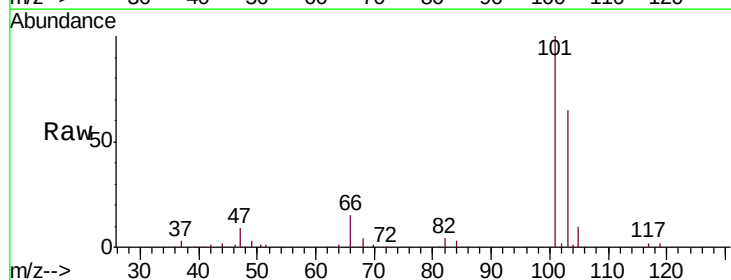
Acq: 25 Oct 2018 15:45

Tgt Ion: 101 Resp: 49493

Ion Ratio Lower Upper

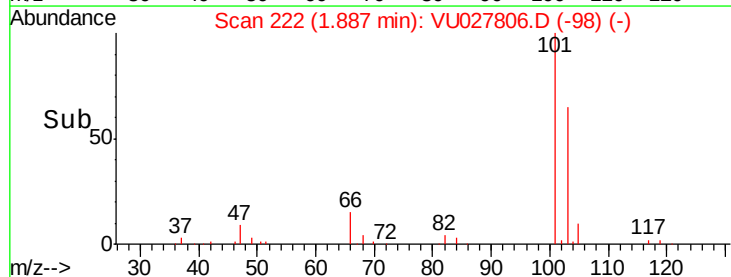
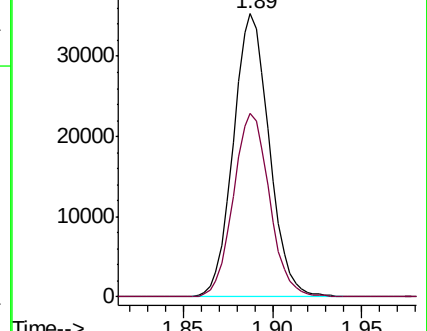
101 100

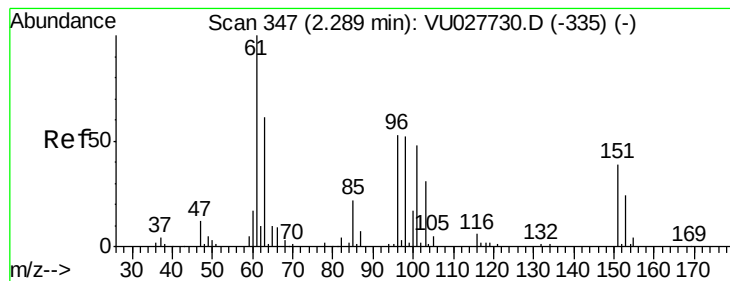
103 65.1 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027730.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027730.D (-212) (-)





#10

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

Concen: 52.657 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

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ClientSampleId :

VSTD05031

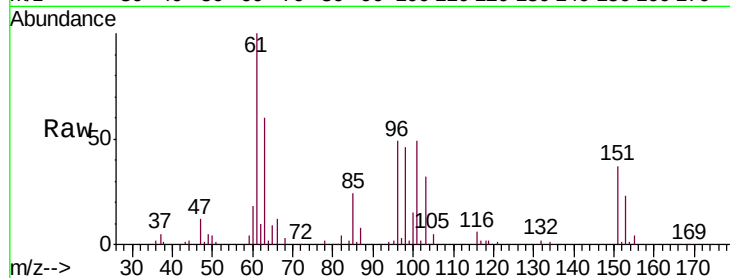
Tgt Ion:101 Resp: 25064

Ion Ratio Lower Upper

101 100

85 47.3 36.7 55.1

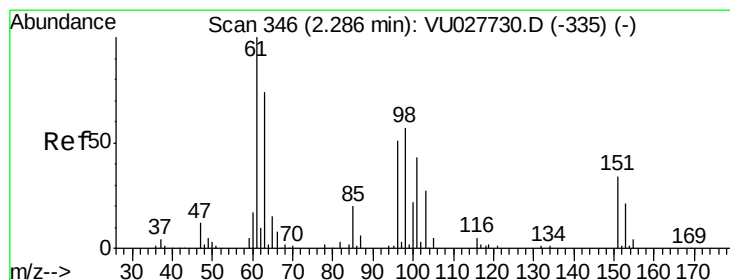
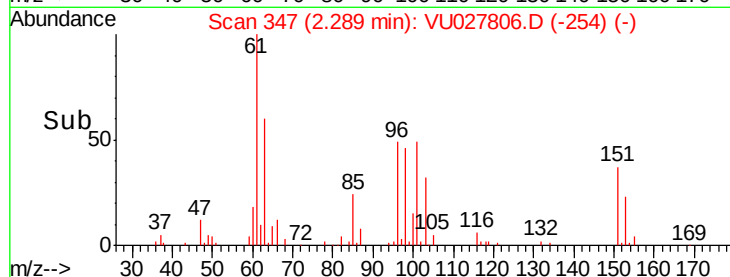
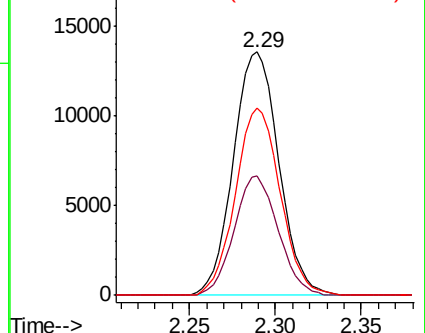
151 75.8 62.0 93.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.595 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

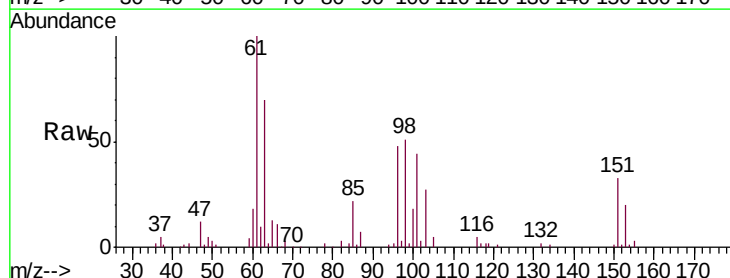
Tgt Ion: 96 Resp: 22522

Ion Ratio Lower Upper

96 100

61 209.1 137.3 255.1

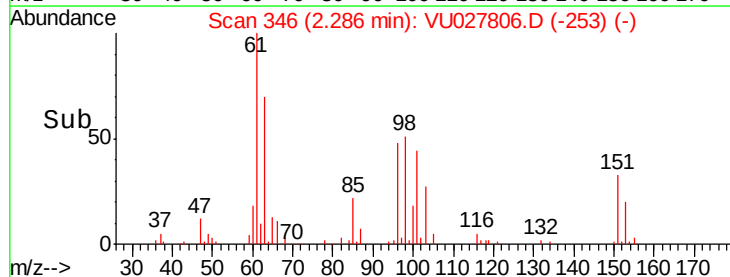
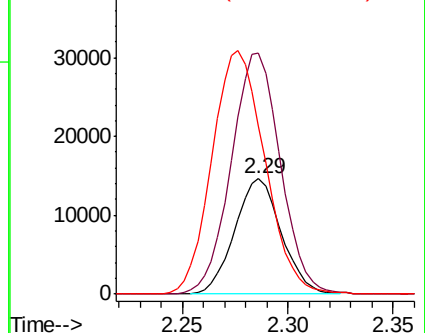
63 146.1 109.8 204.0

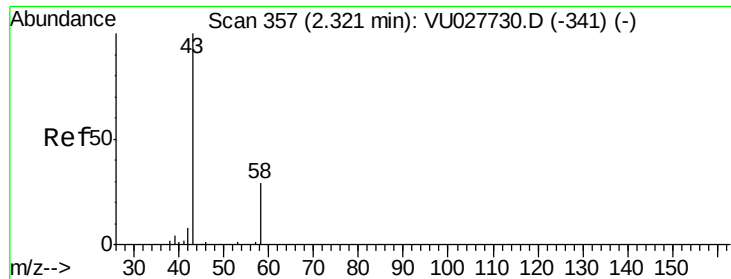


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 116.169 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

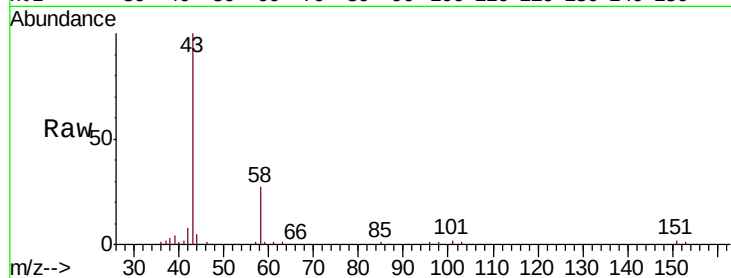
VSTD05031

Tgt Ion: 43 Resp: 42863

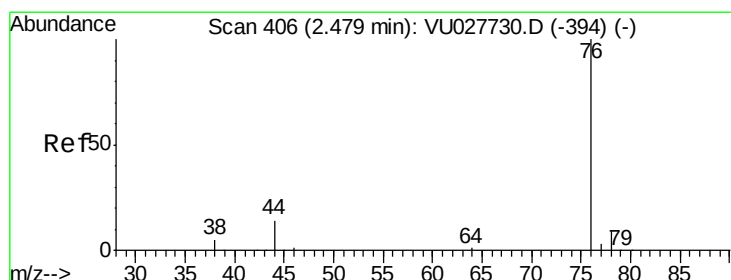
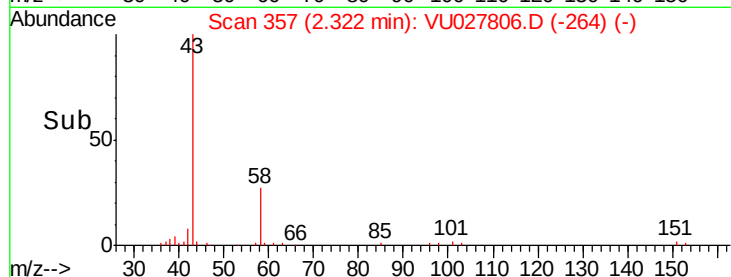
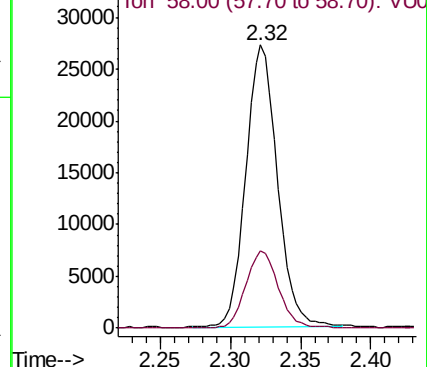
Ion Ratio Lower Upper

43 100

58 28.2 0.0 57.4



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



#14

Carbon disulfide

Concen: 49.013 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027806.D

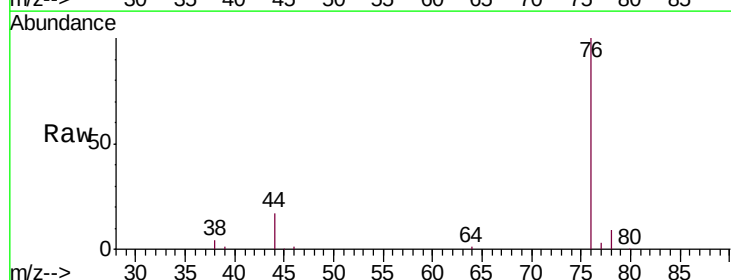
Acq: 25 Oct 2018 15:45

Tgt Ion: 76 Resp: 75969

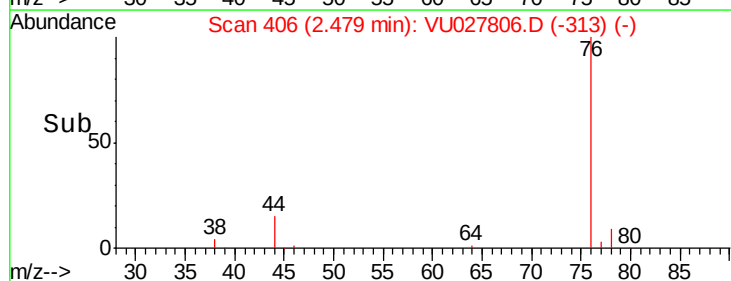
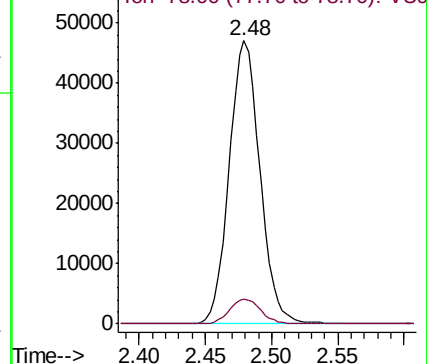
Ion Ratio Lower Upper

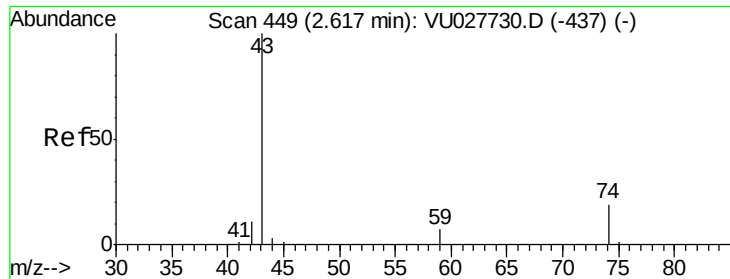
76 100

78 8.7 7.5 11.3



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

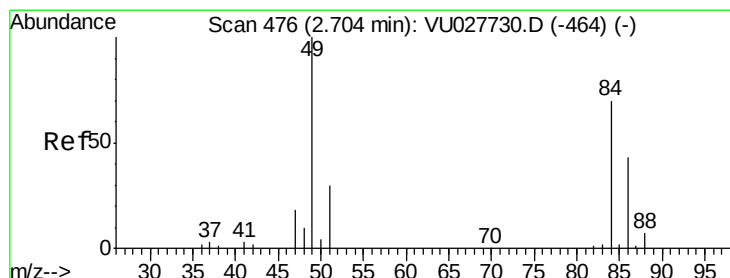
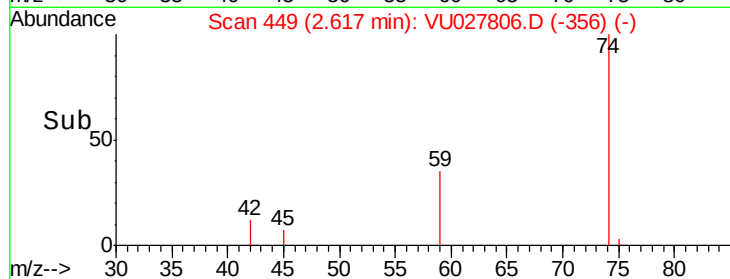
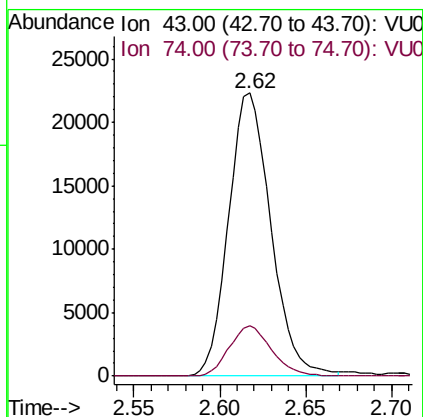
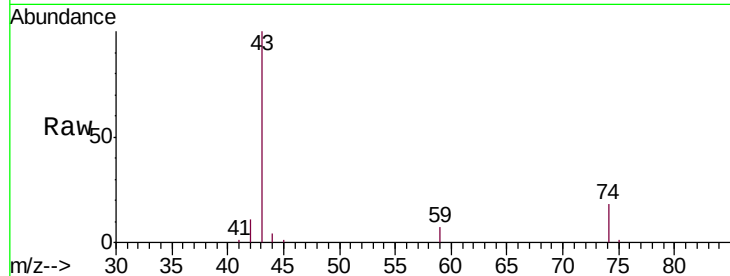




#15
Methyl Acetate
Concen: 49.175 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

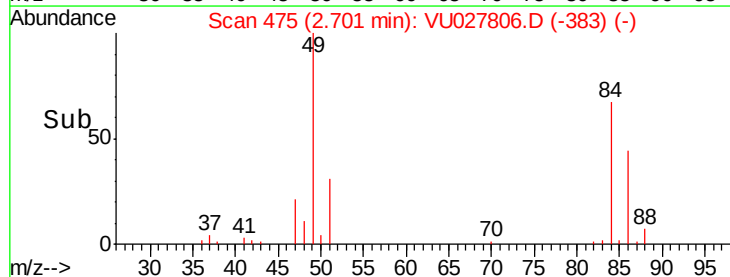
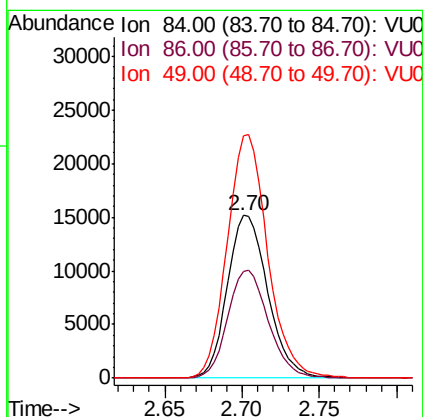
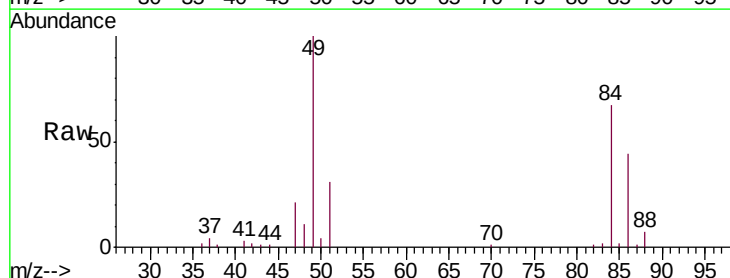
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

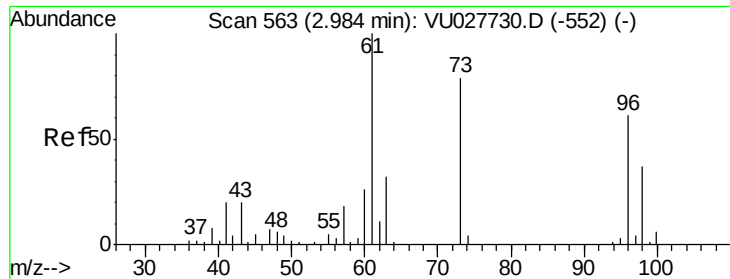
Tgt Ion: 43 Resp: 38184
Ion Ratio Lower Upper
43 100
74 17.7 15.1 22.7



#16
Methylene chloride
Concen: 50.119 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

Tgt Ion: 84 Resp: 27559
Ion Ratio Lower Upper
84 100
86 65.2 42.8 79.6
49 148.6 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 51.569 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

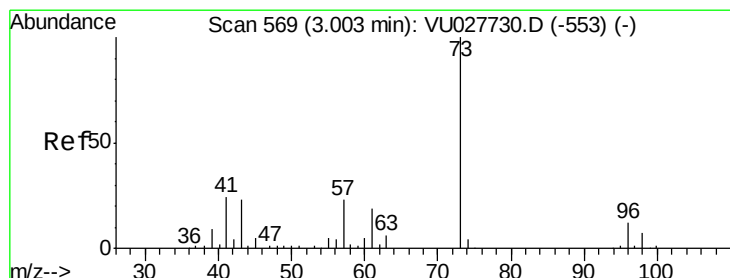
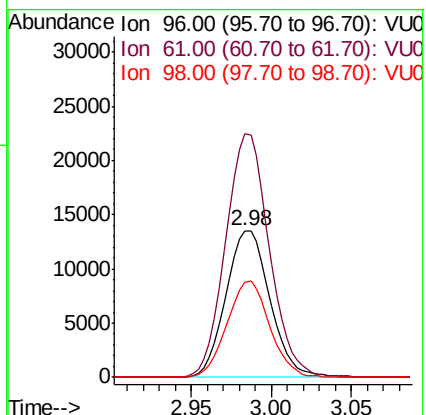
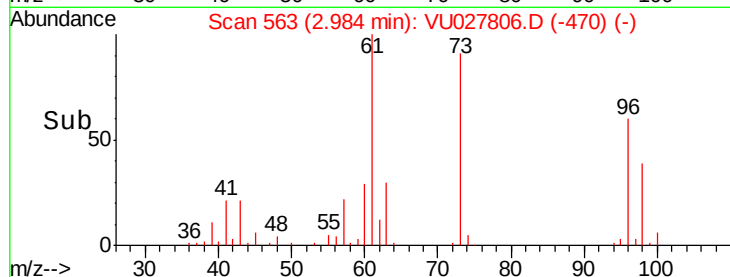
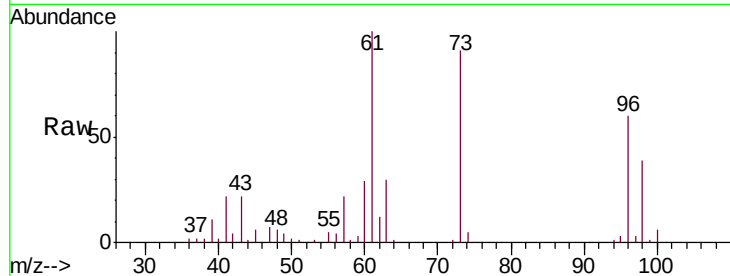
Tgt Ion: 96 Resp: 25393

Ion Ratio Lower Upper

96 100

61 166.2 114.7 212.9

98 65.0 42.2 78.4



#18

Methyl tert-butyl Ether

Concen: 51.830 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

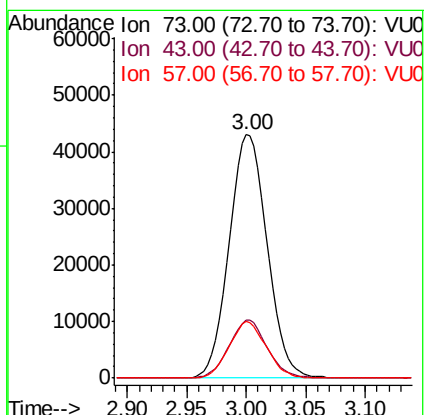
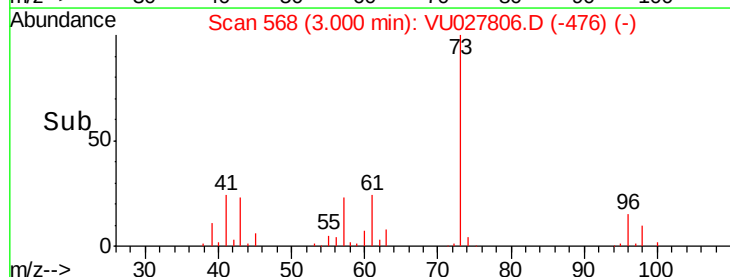
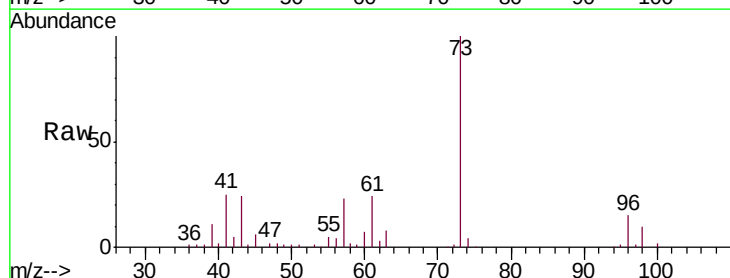
Tgt Ion: 73 Resp: 95393

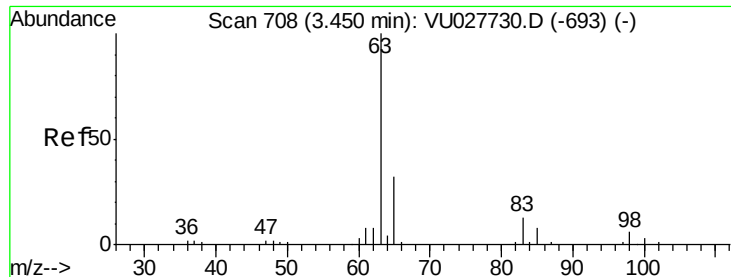
Ion Ratio Lower Upper

73 100

43 23.7 18.3 27.5

57 22.9 18.6 28.0

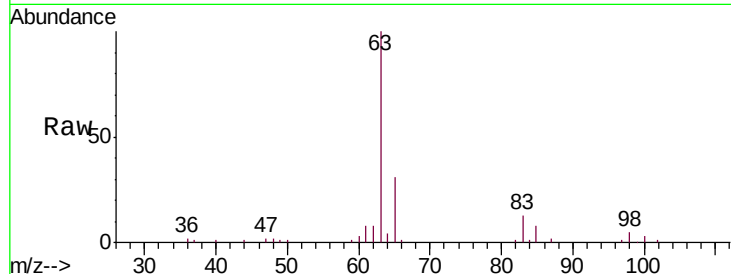




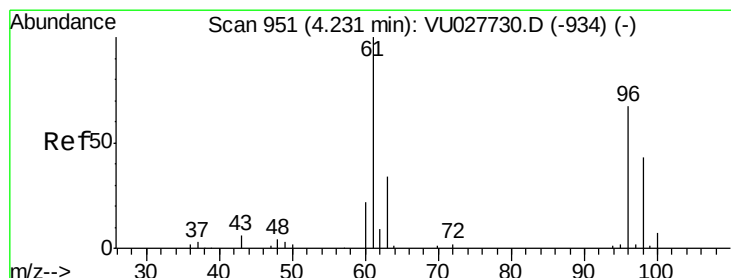
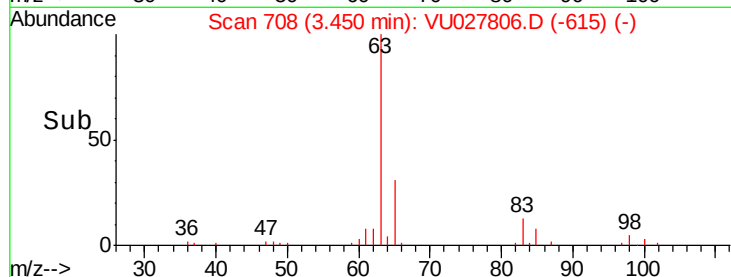
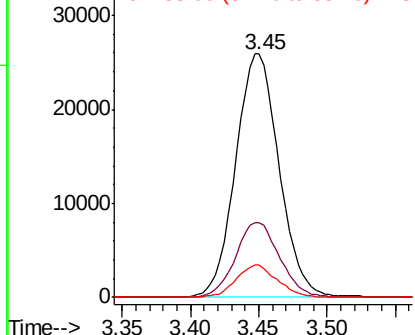
#19
 1,1-Dichloroethane
 Concen: 53.614 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Tgt Ion: 63 Resp: 57290
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.2 41.2
 83 13.2 9.2 17.2

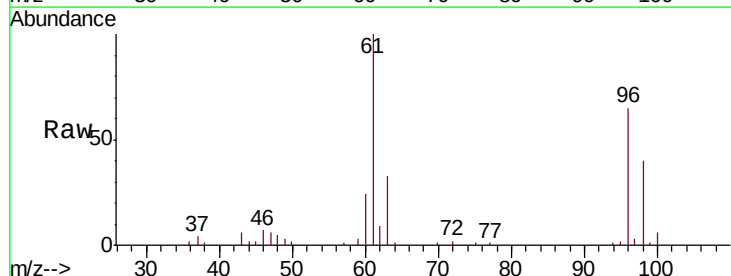


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

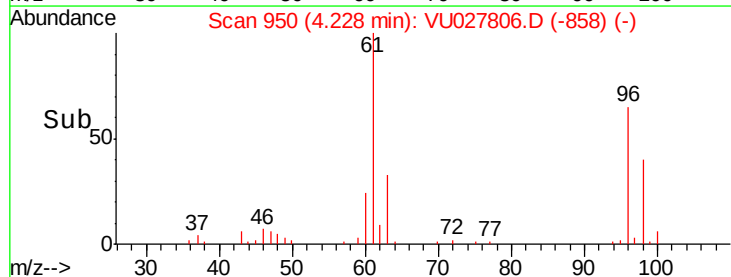
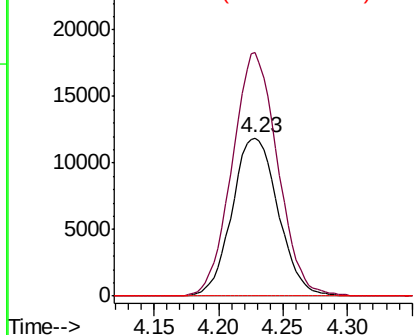


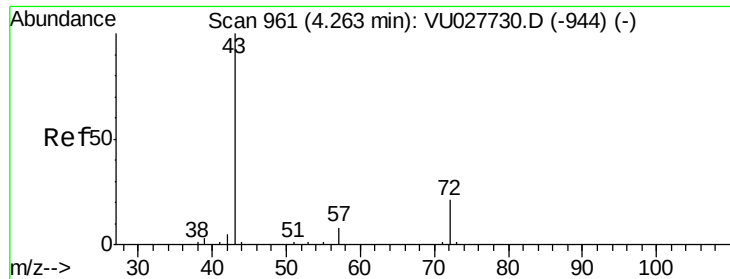
#20
 cis-1,2-Dichloroethene
 Concen: 50.785 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

Tgt Ion: 96 Resp: 29584
 Ion Ratio Lower Upper
 96 100
 61 153.7 104.2 193.4
 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: 108.146 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

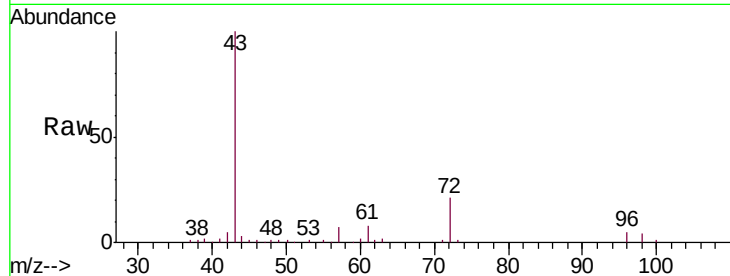
VSTD05031

Tgt Ion: 43 Resp: 59374

Ion Ratio Lower Upper

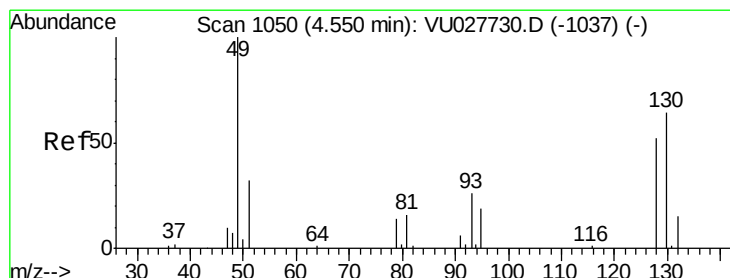
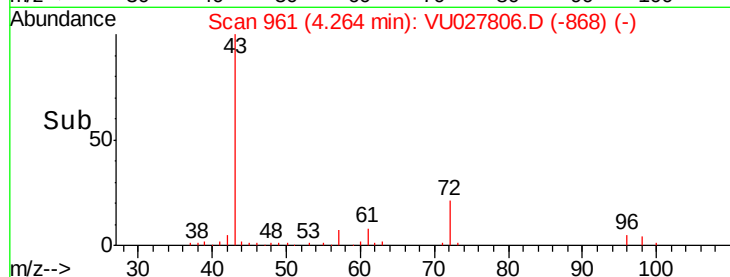
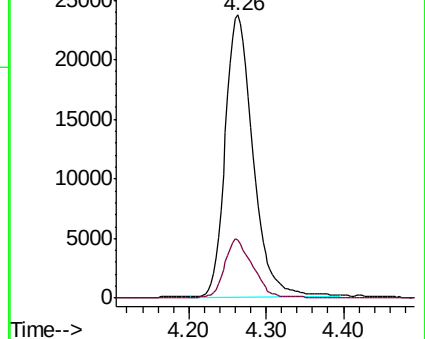
43 100

72 21.0 11.2 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU027730.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU027730.D (-944) (-)



#23

Bromochloromethane

Concen: 53.399 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Tgt Ion:128 Resp: 14525

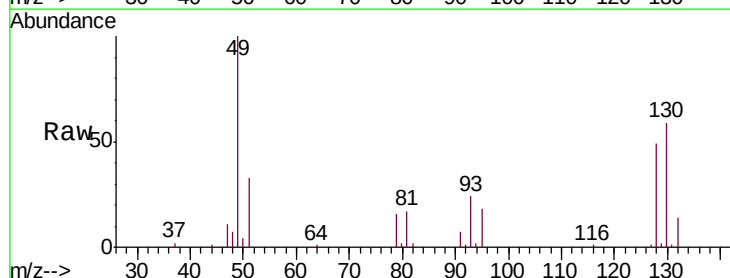
Ion Ratio Lower Upper

128 100

49 203.2 136.2 253.0

130 120.7 86.0 159.6

51 66.3 48.8 73.2

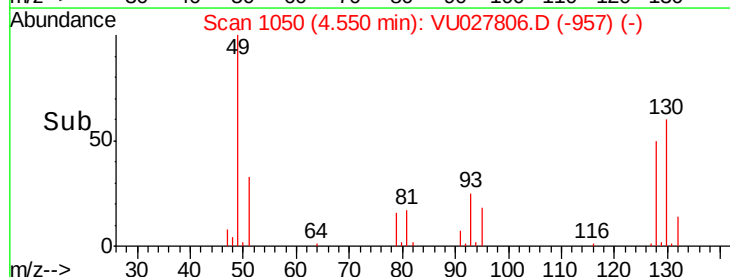
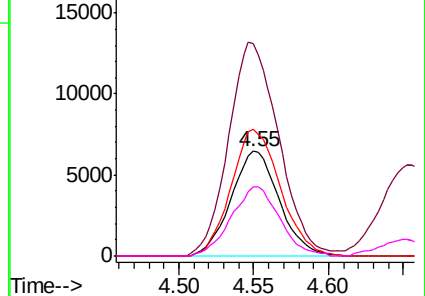


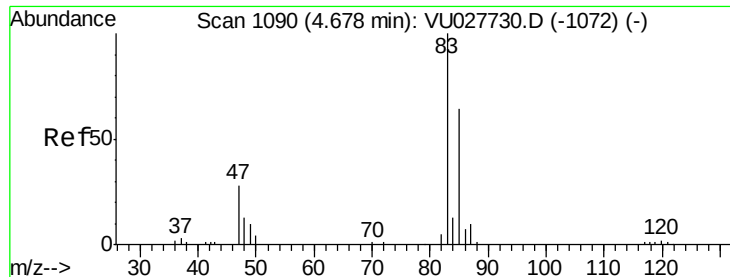
Abundance Ion 128.00 (127.70 to 128.70): VU027730.D (-1037) (-)

Ion 49.00 (48.70 to 49.70): VU027730.D (-1037) (-)

Ion 130.00 (129.70 to 130.70): VU027730.D (-1037) (-)

Ion 51.00 (50.70 to 51.70): VU027730.D (-1037) (-)

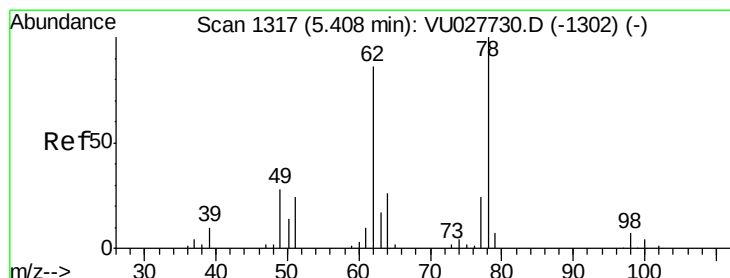
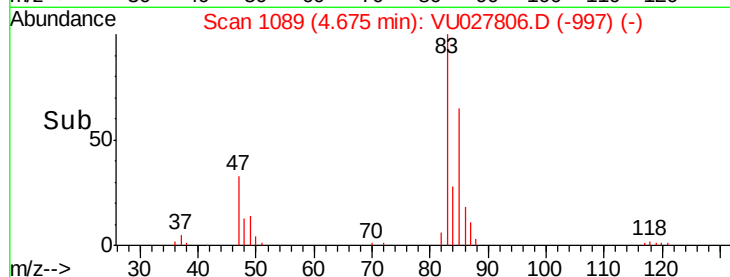
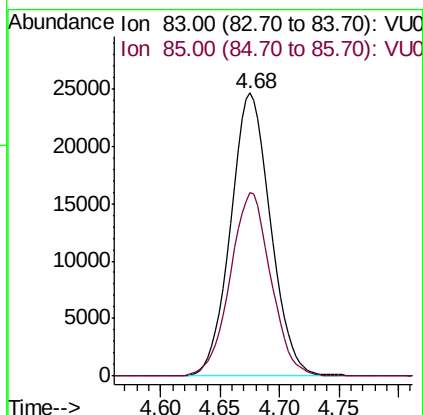
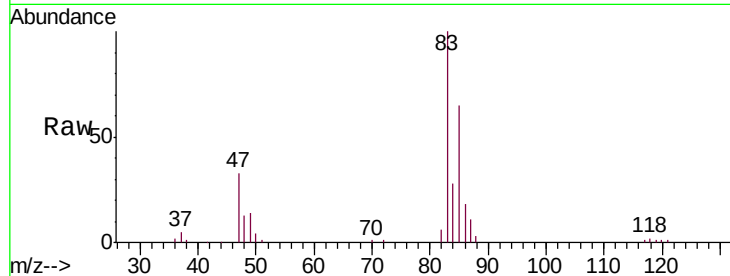




#25
Chloroform
Concen: 55.141 ug/L
RT: 4.68 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

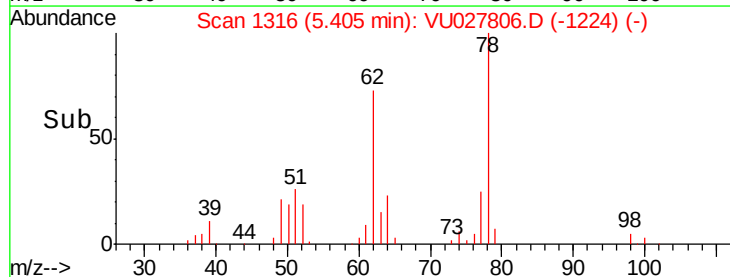
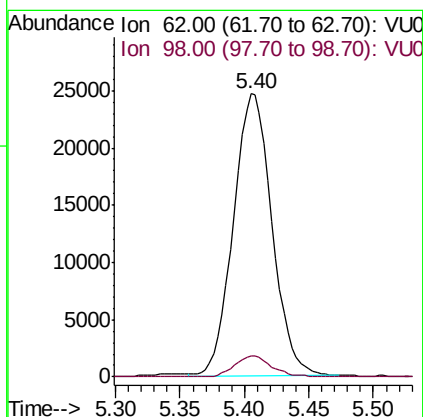
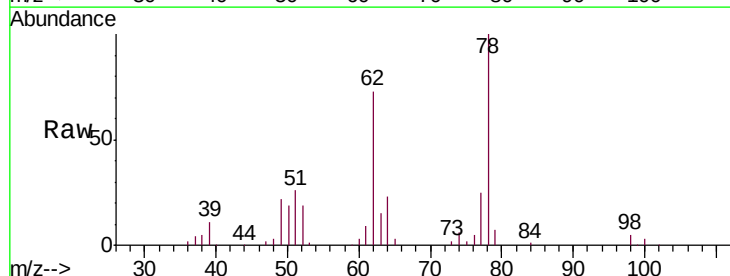
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

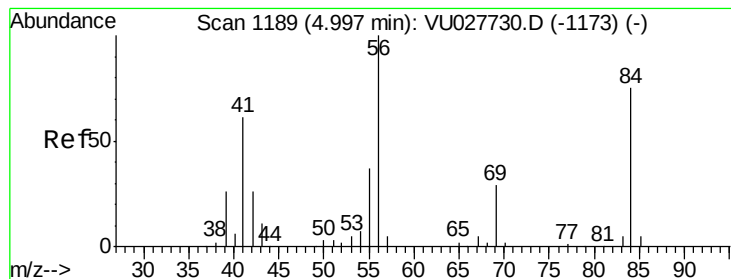
Tgt Ion: 83 Resp: 57180
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 57.126 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

Tgt Ion: 62 Resp: 51410
Ion Ratio Lower Upper
62 100
98 7.3 6.3 9.5





#29

Cyclohexane

Concen: 51.185 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

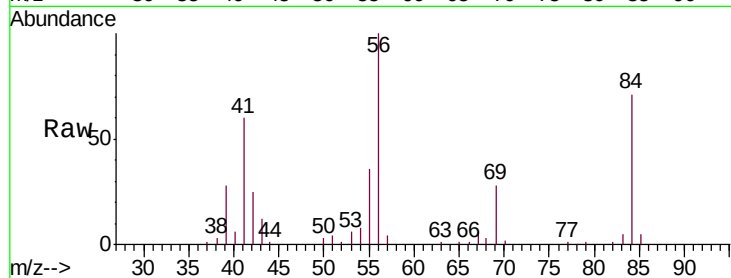
Tgt Ion: 56 Resp: 55805

Ion Ratio Lower Upper

56 100

69 27.7 22.5 33.7

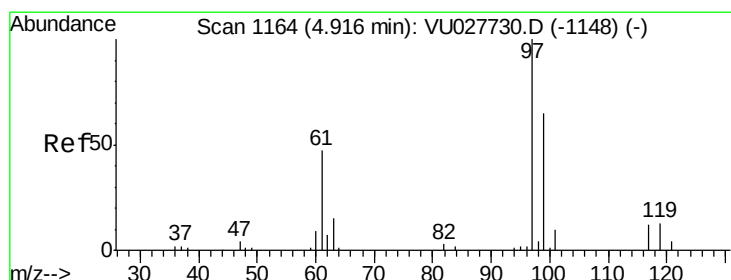
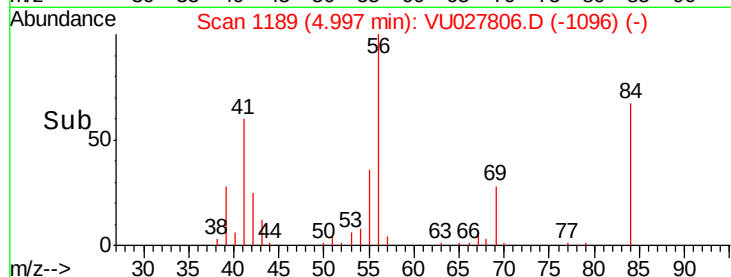
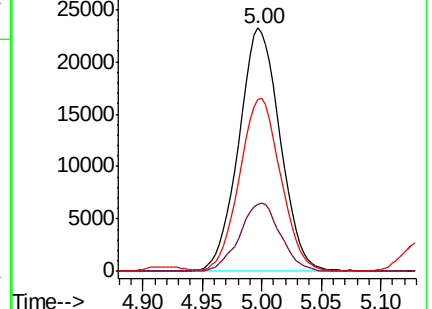
84 71.0 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 55.000 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

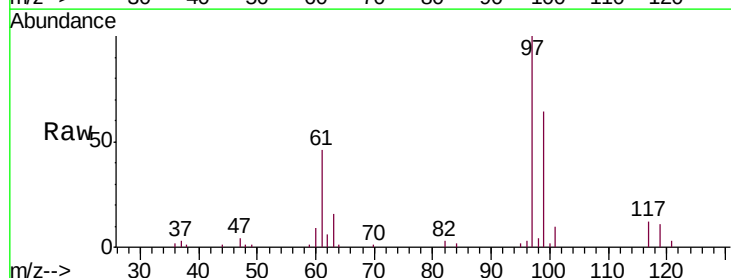
Tgt Ion: 97 Resp: 50710

Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

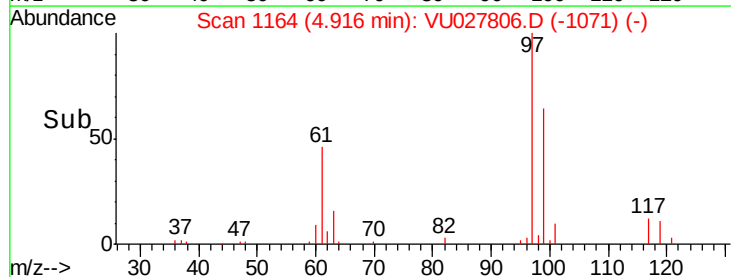
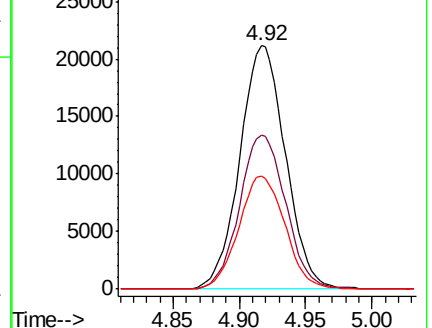
61 46.9 37.5 56.3

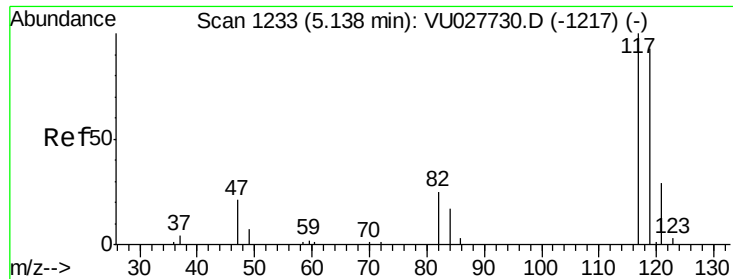


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

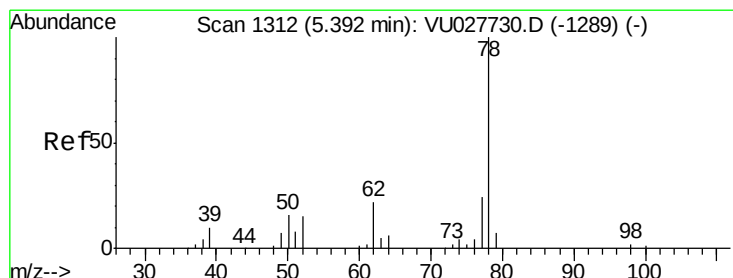
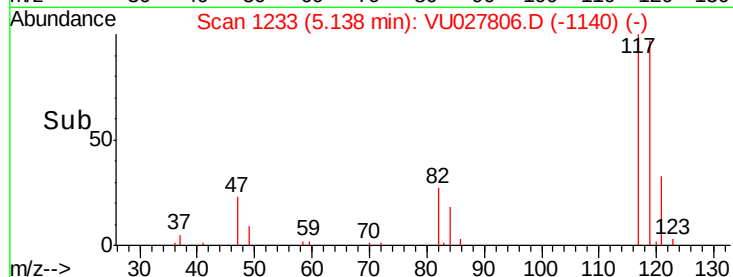
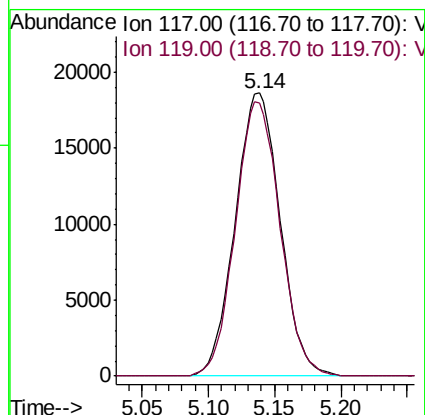
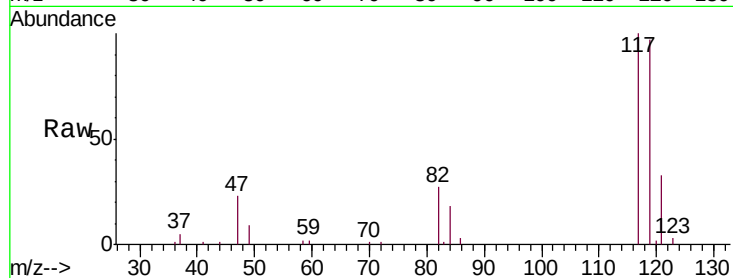




#31
Carbon tetrachloride
Concen: 53.002 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

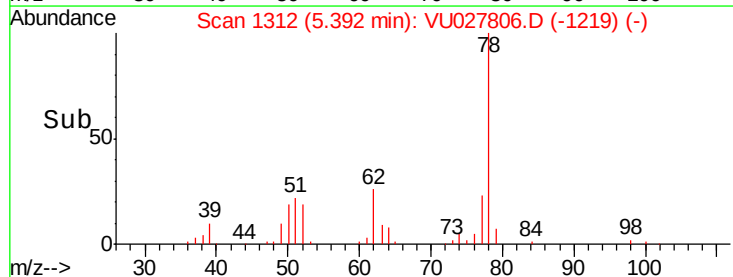
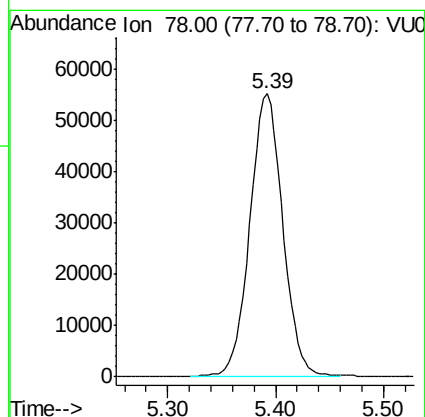
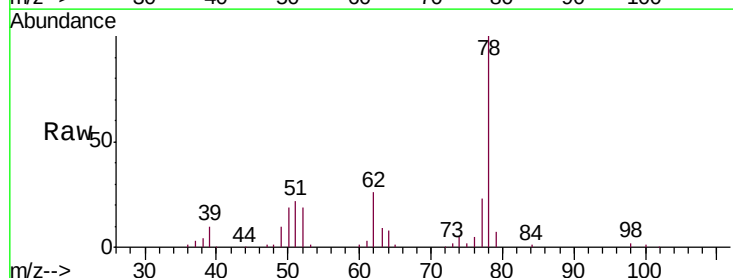
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

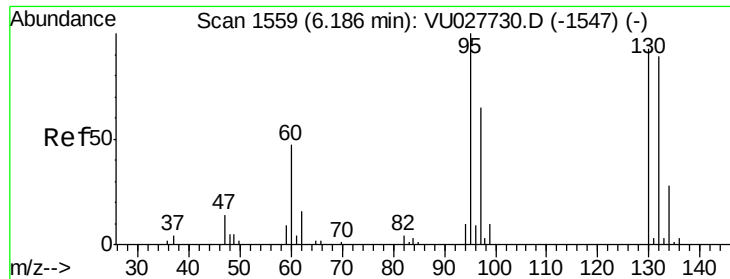
Tgt Ion:117 Resp: 43975
Ion Ratio Lower Upper
117 100
119 96.2 75.6 113.4



#33
Benzene
Concen: 51.850 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

Tgt Ion: 78 Resp: 117326





#34

Trichloroethene

Concen: 52.485 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

Tgt Ion: 95 Resp: 29732

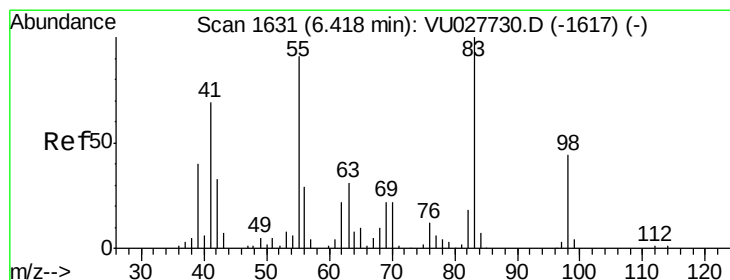
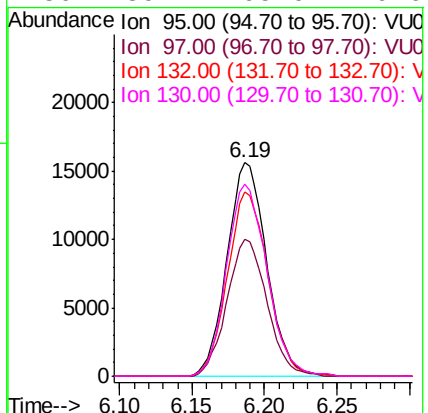
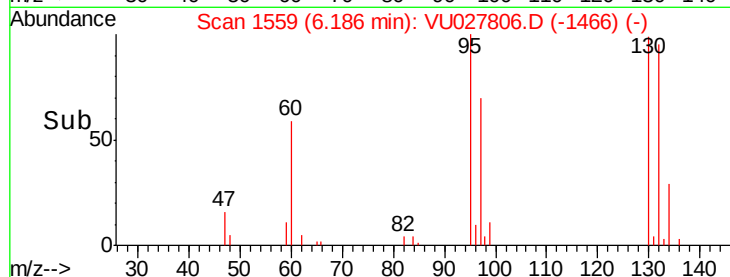
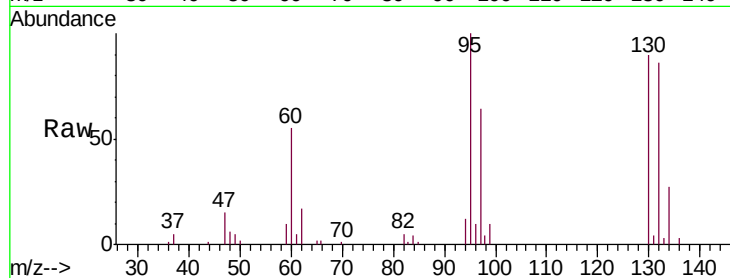
Ion Ratio Lower Upper

95 100

97 63.9 45.8 85.2

132 86.2 62.1 115.3

130 89.7 65.0 120.6



#35

Methylcyclohexane

Concen: 50.507 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

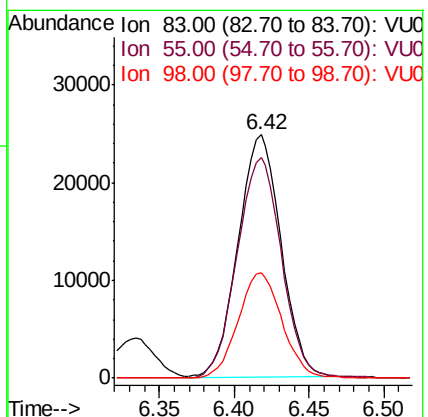
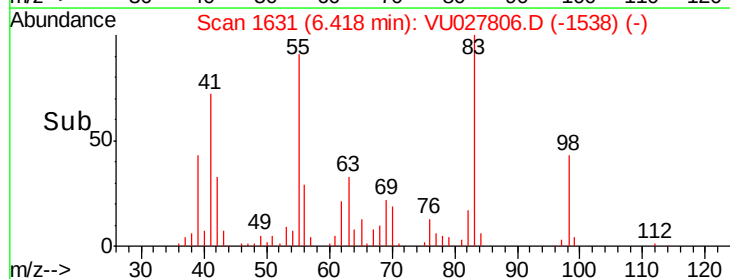
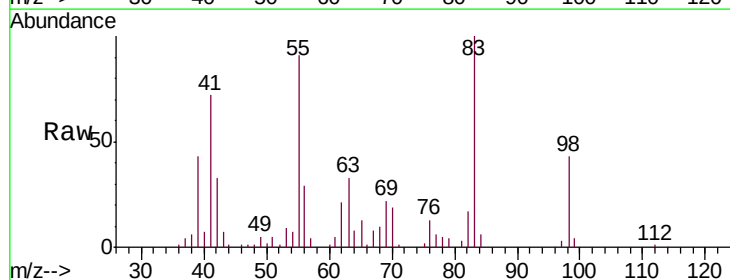
Tgt Ion: 83 Resp: 49482

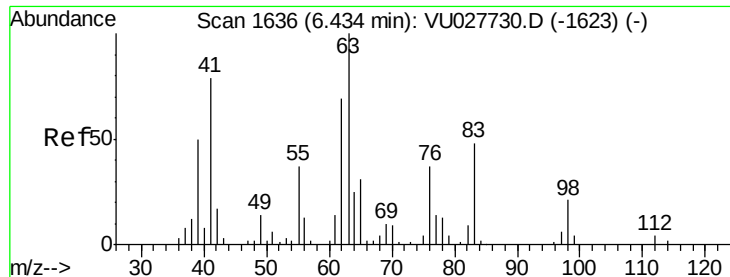
Ion Ratio Lower Upper

83 100

55 94.3 71.9 107.9

98 44.3 34.6 52.0

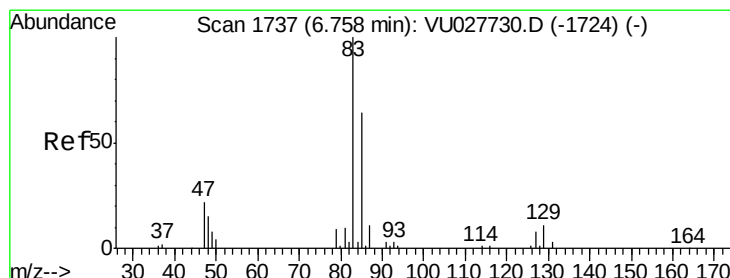
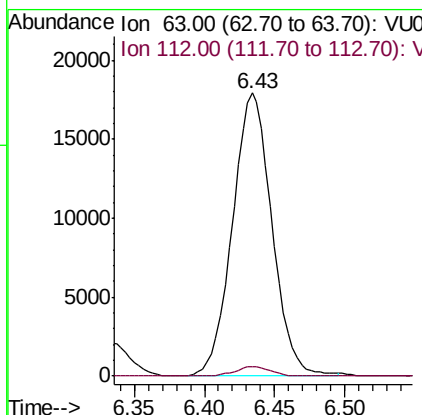
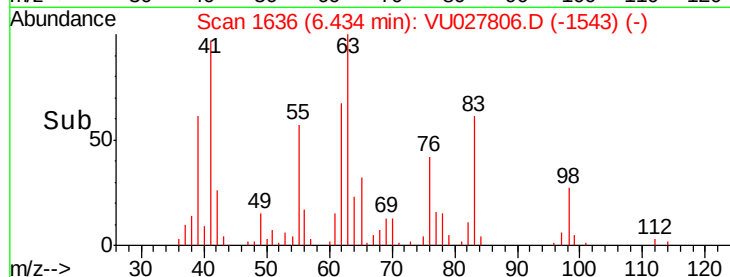
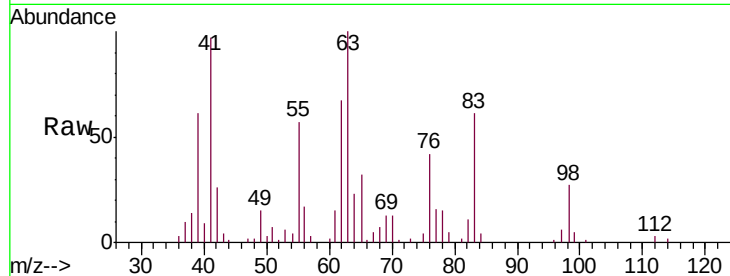




#37
 1,2-Dichloropropane
 Concen: 52.510 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

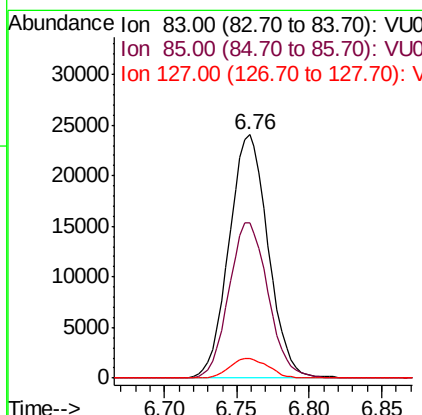
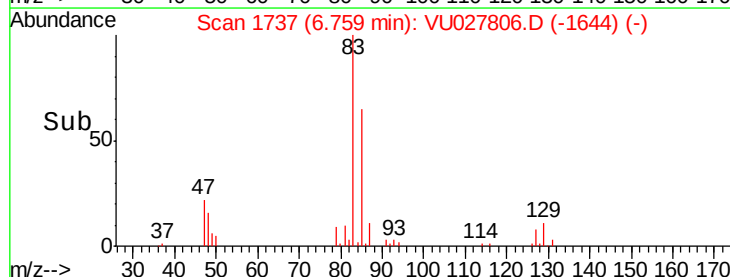
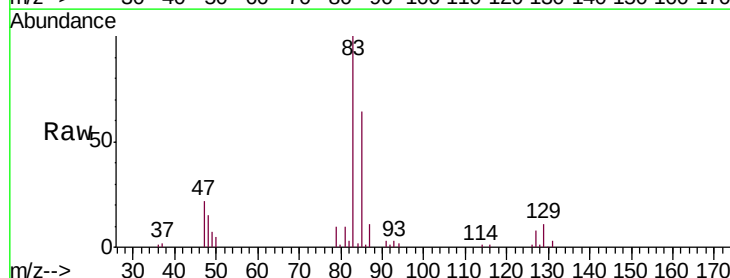
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

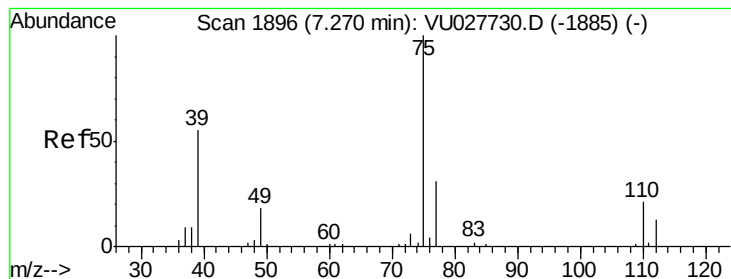
Tgt Ion: 63 Resp: 35107
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.6 3.8



#38
 Bromodichloromethane
 Concen: 54.302 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

Tgt Ion: 83 Resp: 45116
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 8.1 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 51.765 ug/L

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

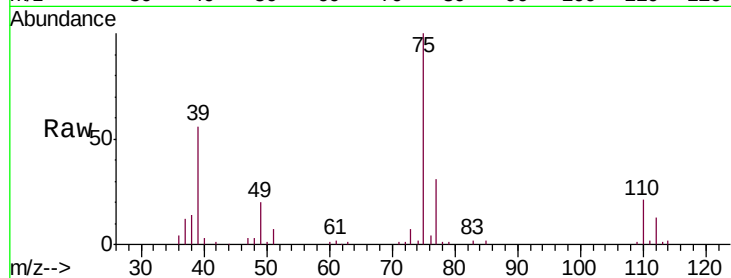
VSTD05031

Tgt Ion: 75 Resp: 53290

Ion Ratio Lower Upper

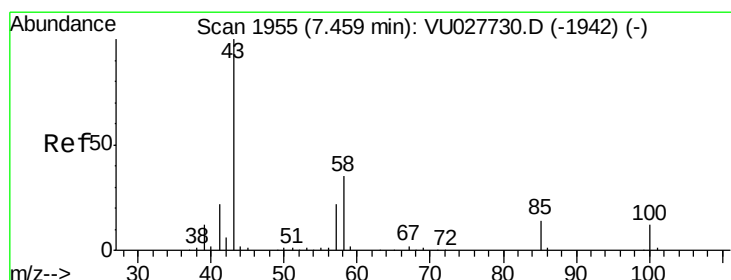
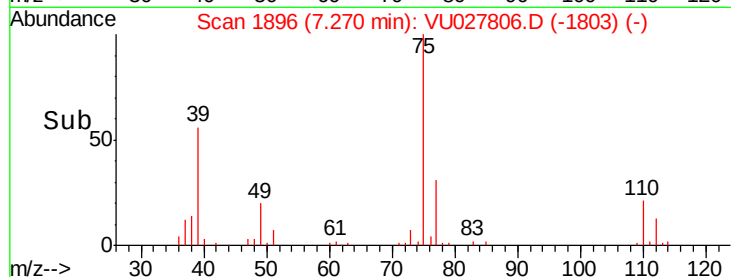
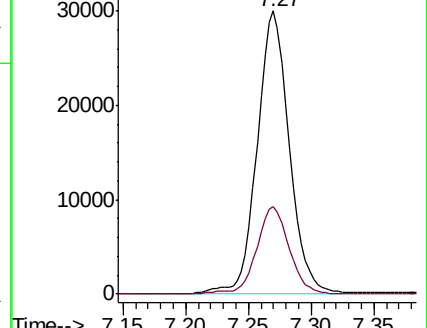
75 100

77 31.0 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU027730.D (-1885) (-)

Ion 77.00 (76.70 to 77.70): VU027730.D (-1885) (-)



#40

4-Methyl-2-pentanone

Concen: 99.871 ug/L

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

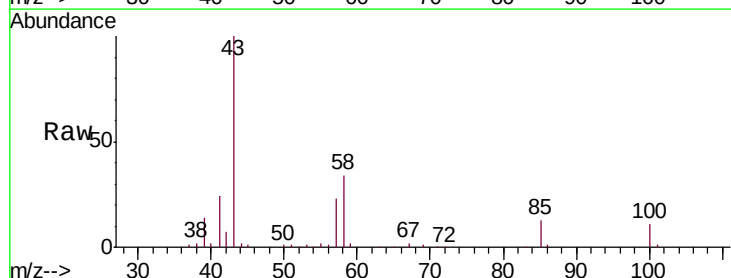
Tgt Ion: 43 Resp: 107314

Ion Ratio Lower Upper

43 100

58 34.7 28.3 42.5

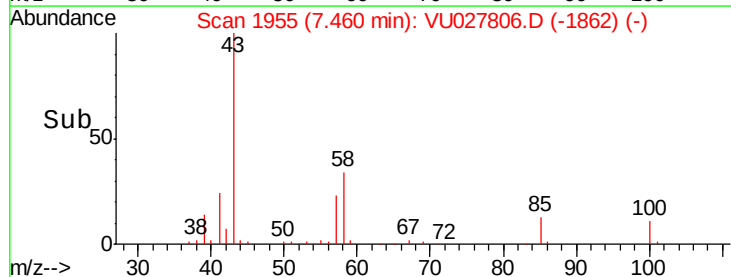
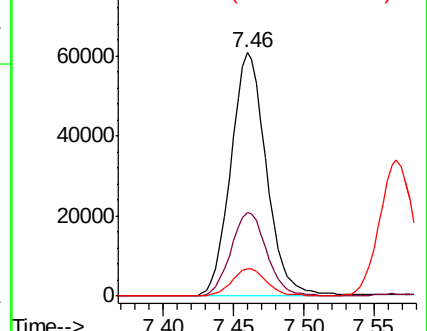
100 11.0 9.1 13.7

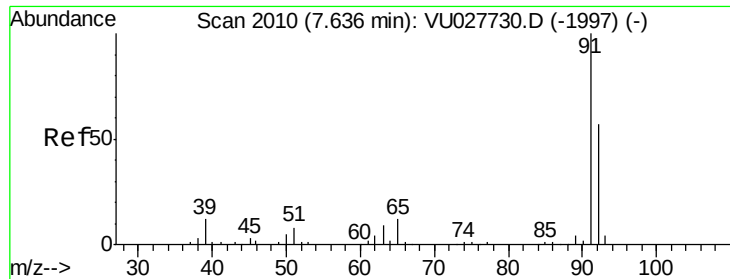


Abundance Ion 43.00 (42.70 to 43.70): VU027730.D (-1942) (-)

Ion 58.00 (57.70 to 58.70): VU027730.D (-1942) (-)

Ion 100.00 (99.70 to 100.70): VU027730.D (-1942) (-)





#42

Toluene

Concen: 51.935 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

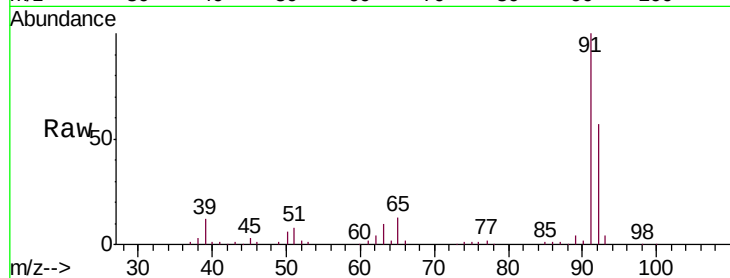
VSTD05031

Tgt Ion: 91 Resp: 123074

Ion Ratio Lower Upper

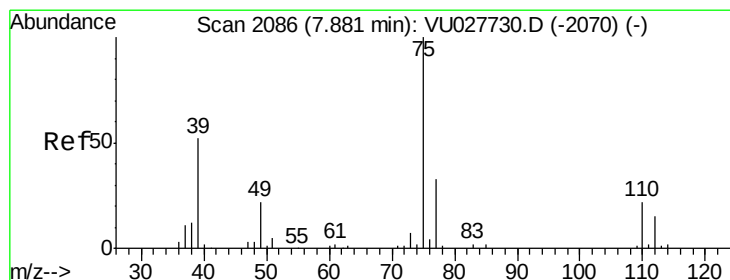
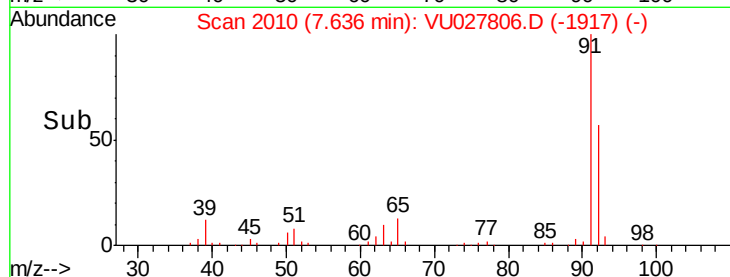
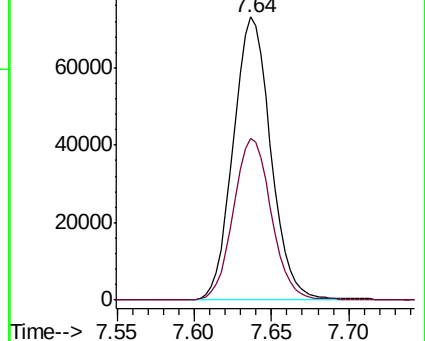
91 100

92 57.0 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 52.048 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027806.D

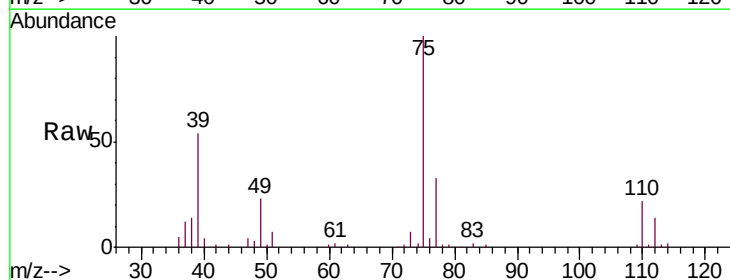
Acq: 25 Oct 2018 15:45

Tgt Ion: 75 Resp: 50685

Ion Ratio Lower Upper

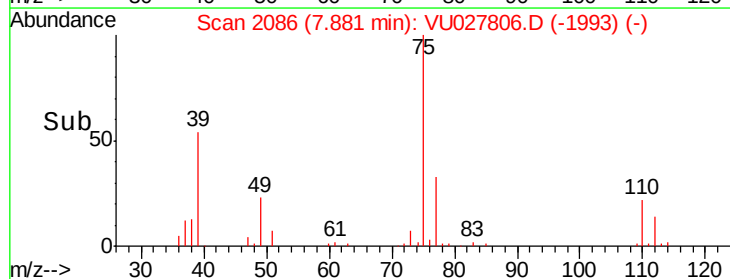
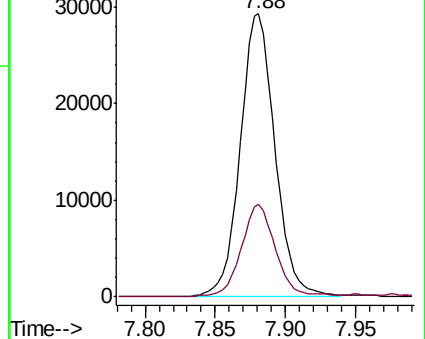
75 100

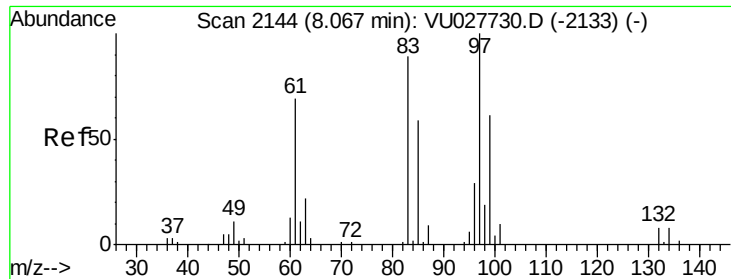
77 32.9 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

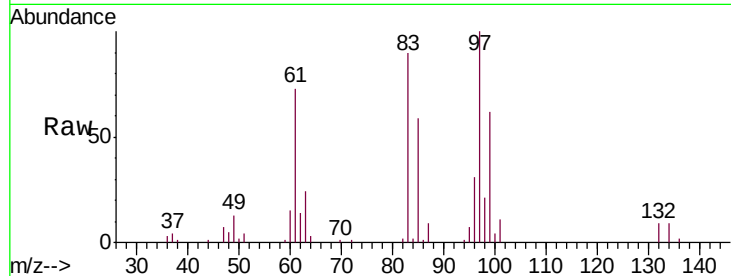




#45
 1,1,2-Trichloroethane
 Concen: 50.589 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Tgt Ion:	97	Resp:	27938
Ion	Ratio	Lower	Upper
97	100		
99	62.4	42.6	79.2
83	89.8	62.4	115.8
85	58.9	41.6	77.2



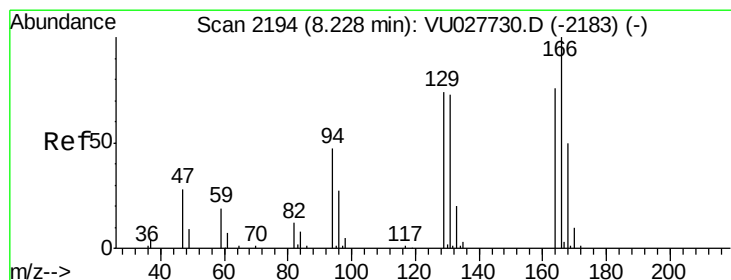
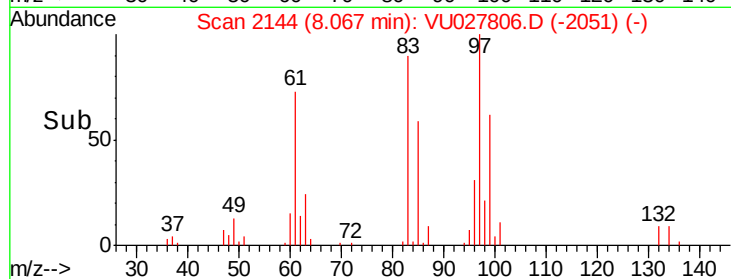
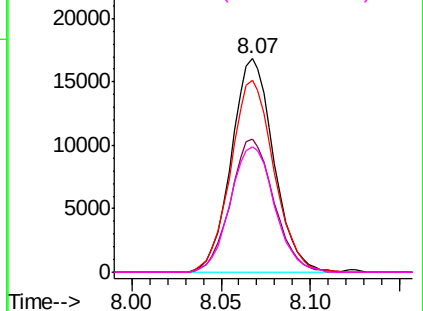
Abundance

Ion 97.00 (96.70 to 97.70): VU027730.D (-2133) (-)

Ion 99.00 (98.70 to 99.70): VU027730.D (-2133) (-)

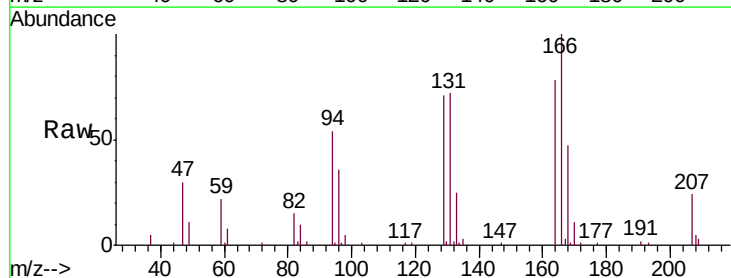
Ion 83.00 (82.70 to 83.70): VU027730.D (-2133) (-)

Ion 85.00 (84.70 to 85.70): VU027730.D (-2133) (-)



#46
 Tetrachloroethene
 Concen: 53.022 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

Tgt Ion:	164	Resp:	23196
Ion	Ratio	Lower	Upper
164	100		
129	91.8	68.5	127.3
131	92.2	67.1	124.5
166	128.4	92.2	171.2



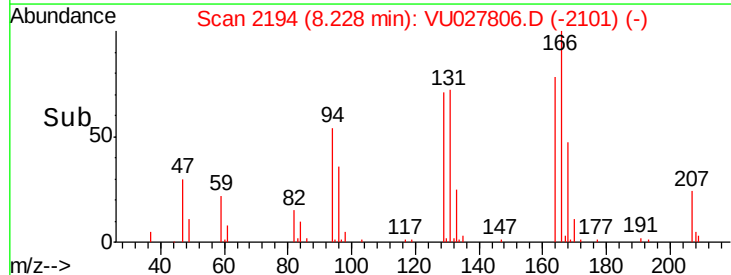
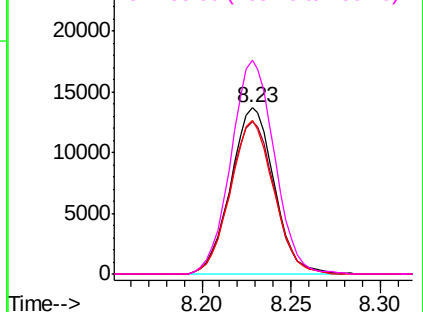
Abundance

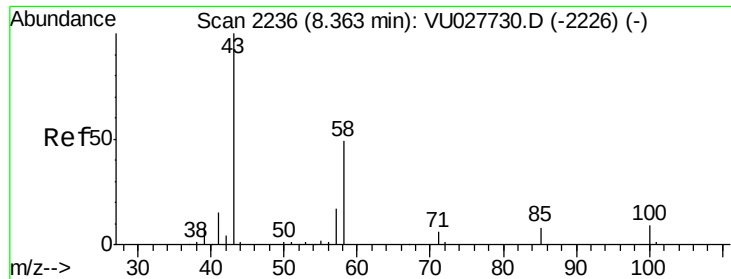
Ion 164.00 (163.70 to 164.70): VU027730.D (-2183) (-)

Ion 129.00 (128.70 to 129.70): VU027730.D (-2183) (-)

Ion 131.00 (130.70 to 131.70): VU027730.D (-2183) (-)

Ion 166.00 (165.70 to 166.70): VU027730.D (-2183) (-)

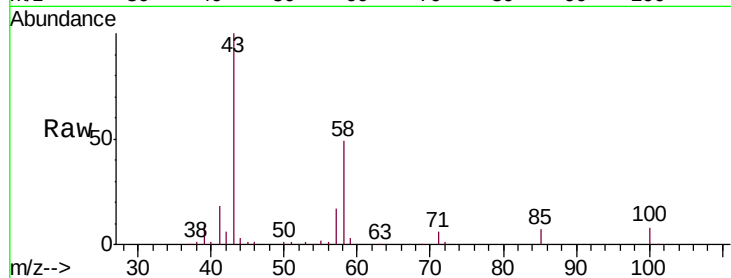




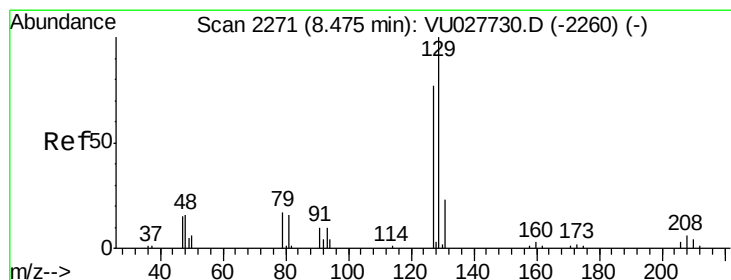
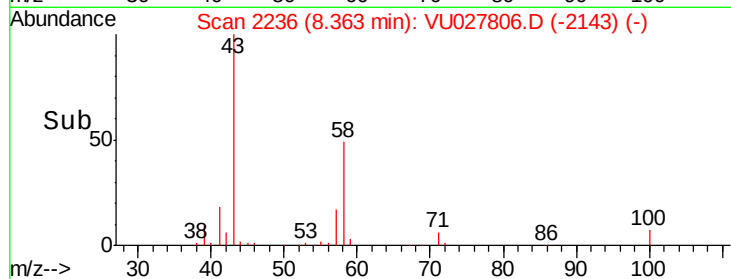
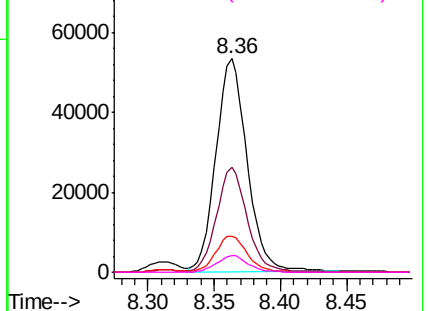
#48
2-Hexanone
Concen: 104.268 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Tgt Ion: 43 Resp: 86888
Ion Ratio Lower Upper
43 100
58 47.7 38.8 58.2
57 17.2 13.1 19.7
100 8.0 6.8 10.2

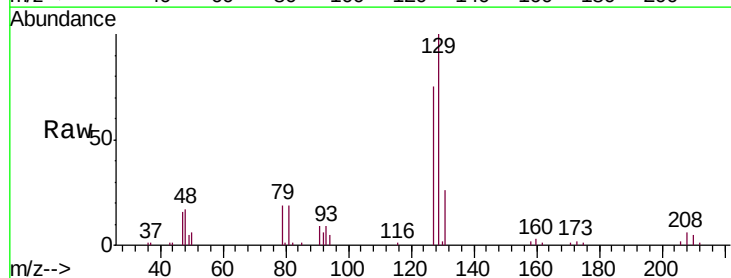


Abundance Ion 43.00 (42.70 to 43.70): VU027730.D (-2226) (-)
Ion 58.00 (57.70 to 58.70): VU027730.D (-2226) (-)
Ion 57.00 (56.70 to 57.70): VU027730.D (-2226) (-)
Ion 100.00 (99.70 to 100.70): VU027730.D (-2226) (-)

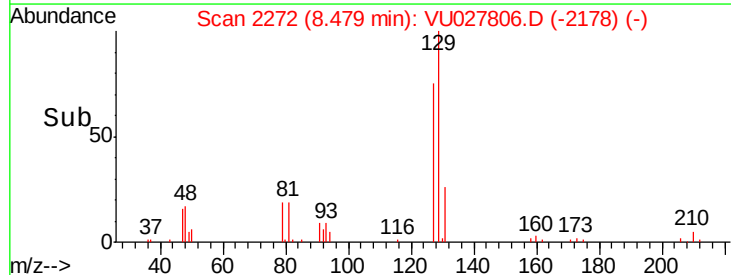
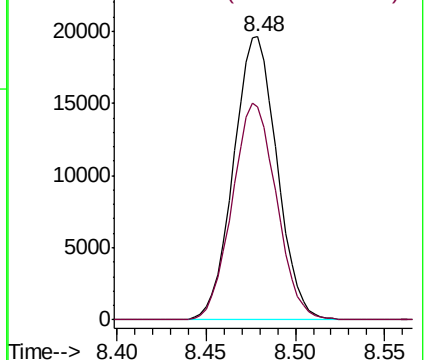


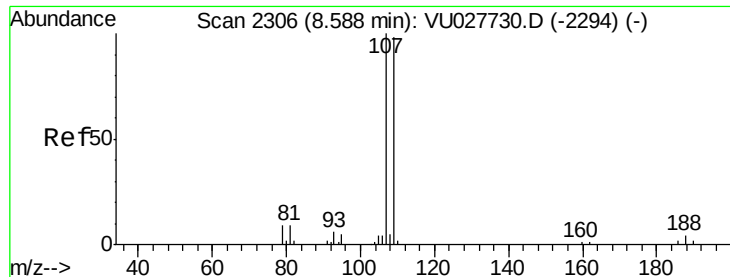
#49
Dibromochloromethane
Concen: 50.900 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

Tgt Ion: 129 Resp: 33308
Ion Ratio Lower Upper
129 100
127 75.0 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VU027730.D (-2260) (-)
Ion 127.00 (126.70 to 127.70): VU027730.D (-2260) (-)

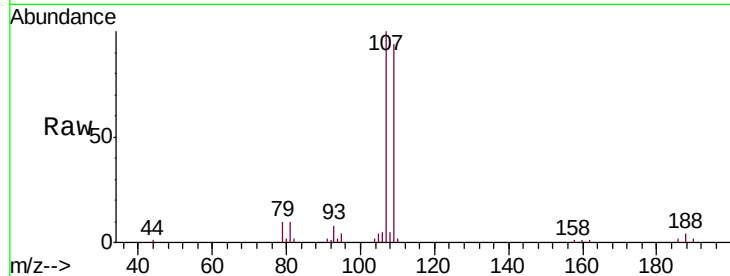




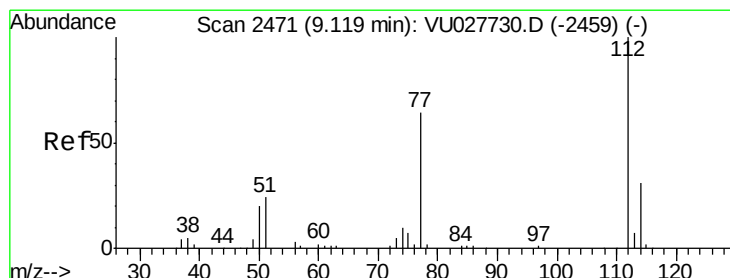
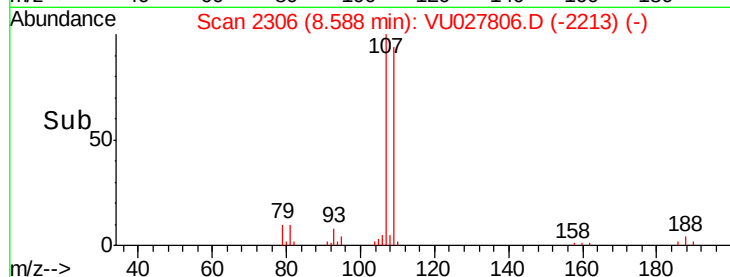
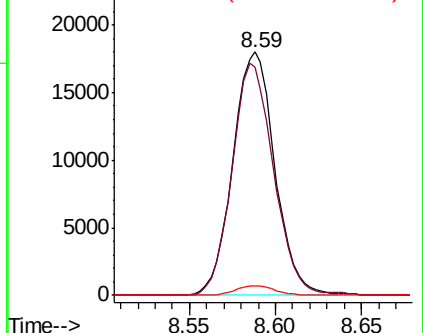
#50
1,2-Dibromoethane
Concen: 51.950 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Tgt Ion:107 Resp: 30621
Ion Ratio Lower Upper
107 100
109 93.8 68.4 127.0
188 4.1 3.3 4.9

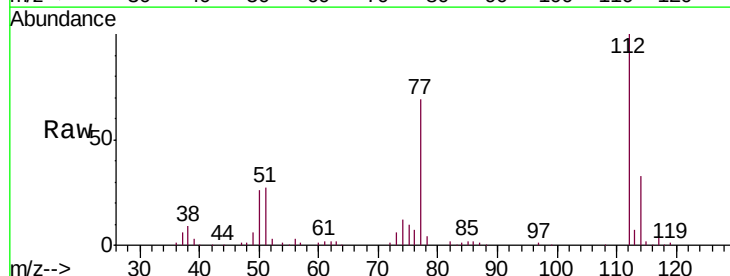


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

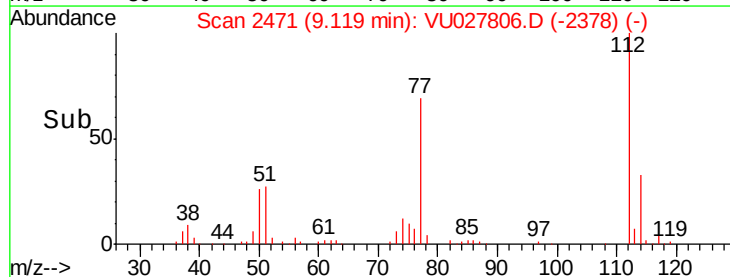
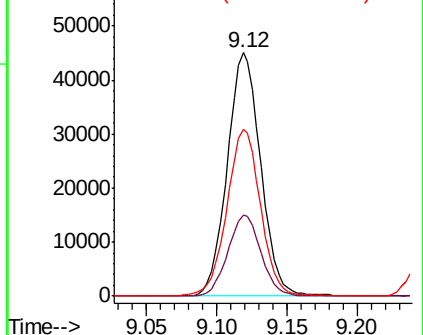


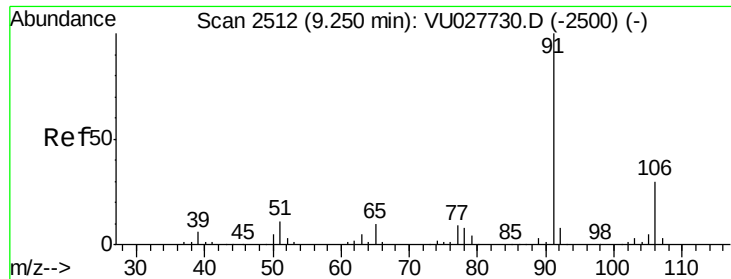
#51
Chlorobenzene
Concen: 51.376 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

Tgt Ion:112 Resp: 74642
Ion Ratio Lower Upper
112 100
114 33.1 21.9 40.7
77 68.7 52.2 78.2



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





#52

Ethylbenzene

Concen: 53.122 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

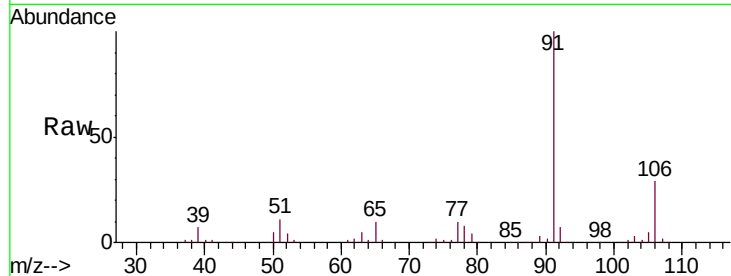
VSTD05031

Tgt Ion: 91 Resp: 142399

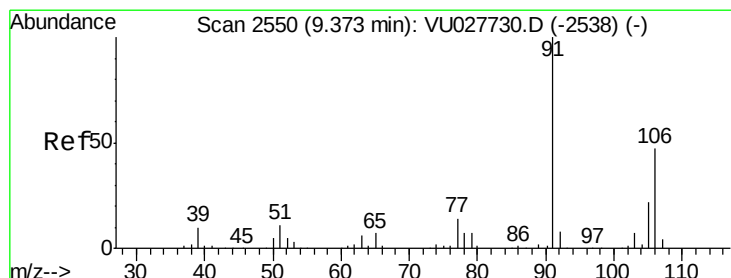
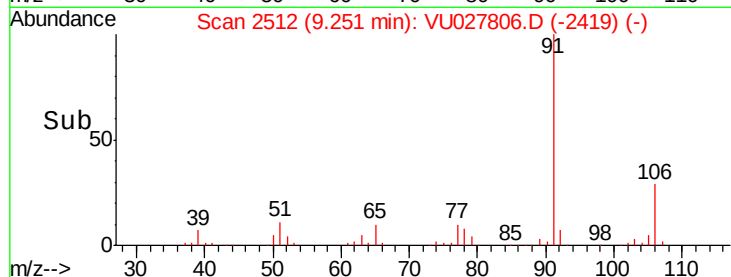
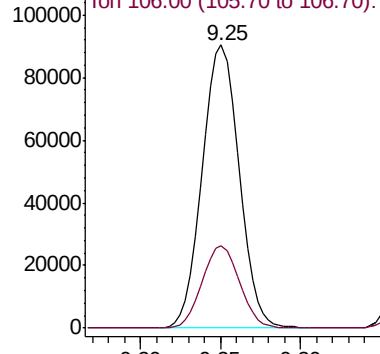
Ion Ratio Lower Upper

91 100

106 29.2 20.9 38.7



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



#53

m,p-Xylene

Concen: 52.191 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027806.D

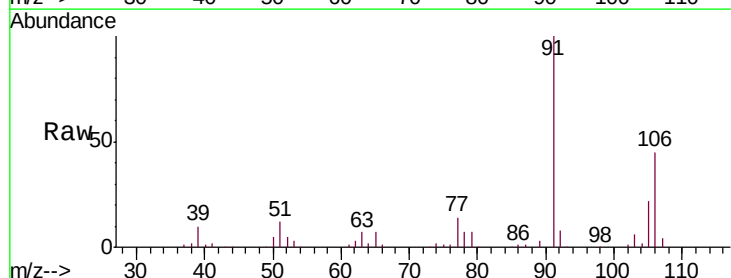
Acq: 25 Oct 2018 15:45

Tgt Ion: 106 Resp: 50540

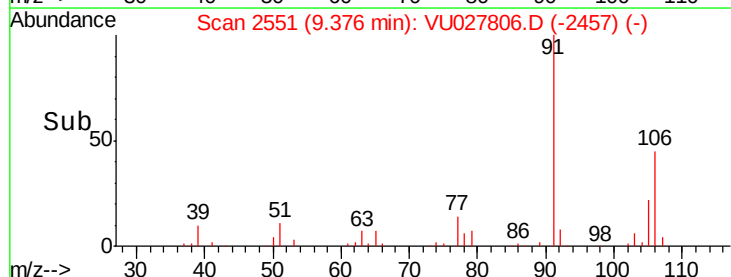
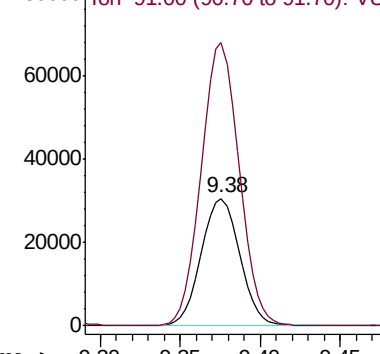
Ion Ratio Lower Upper

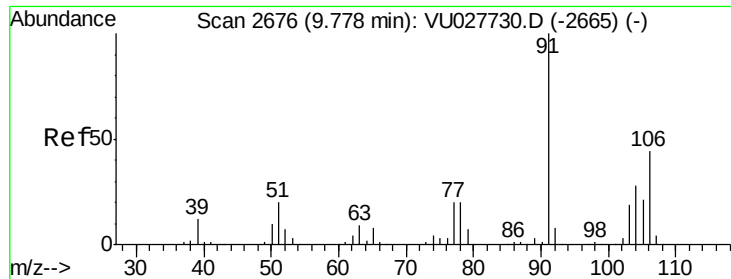
106 100

91 222.4 147.9 274.7



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

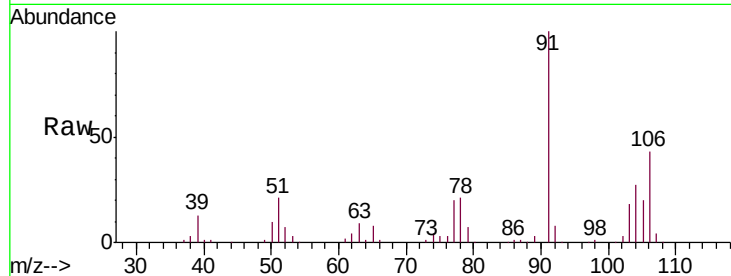




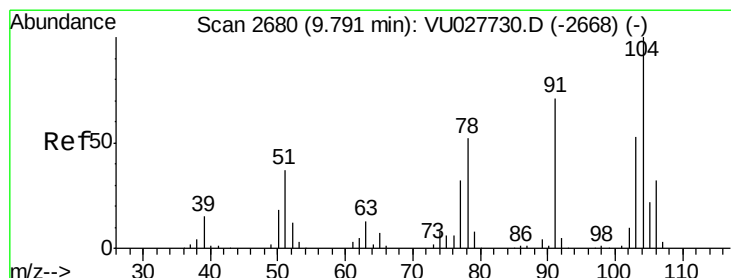
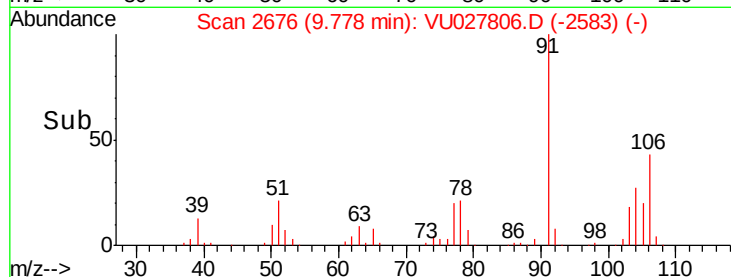
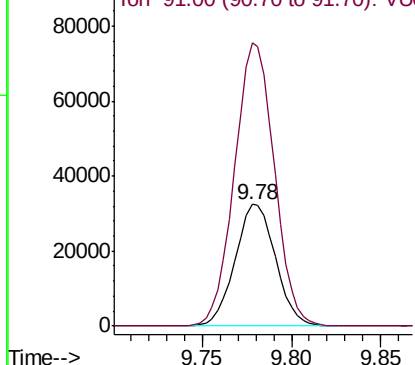
#54
o-xylene
Concen: 53.010 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Tgt Ion:106 Resp: 51169
Ion Ratio Lower Upper
106 100
91 232.4 159.4 296.0

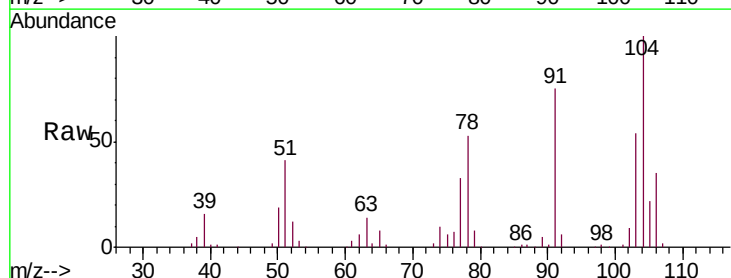


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

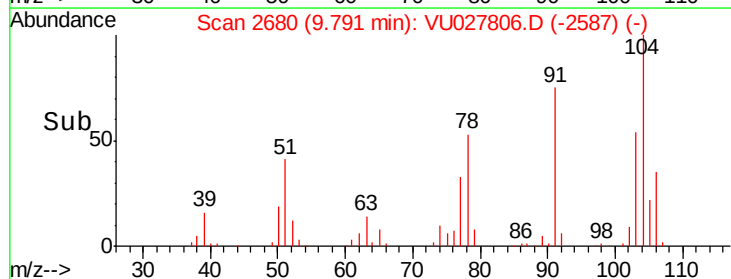
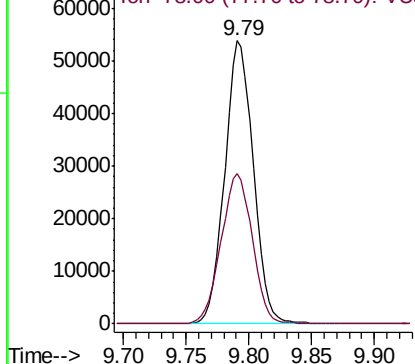


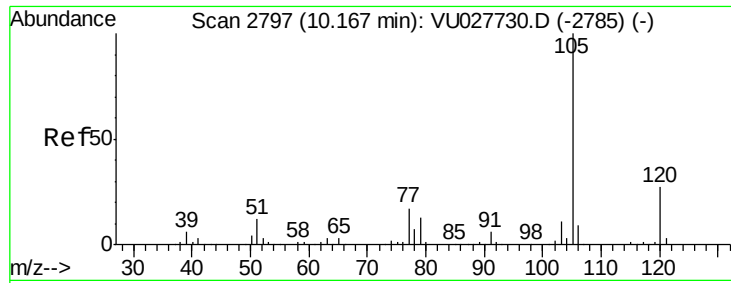
#55
Styrene
Concen: 51.936 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU027806.D
Acq: 25 Oct 2018 15:45

Tgt Ion:104 Resp: 85333
Ion Ratio Lower Upper
104 100
78 53.3 36.5 67.9



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





#56

Isopropylbenzene

Concen: 53.927 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

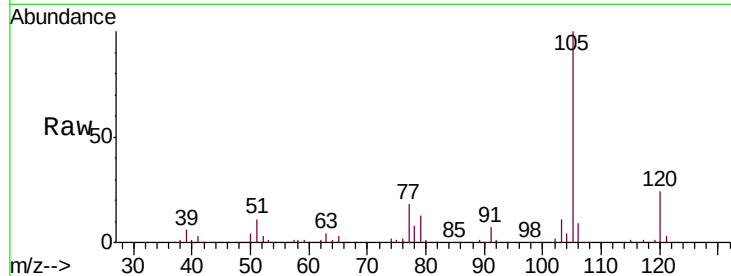
Tgt Ion: 105 Resp: 137857

Ion Ratio Lower Upper

105 100

120 24.4 21.0 31.6

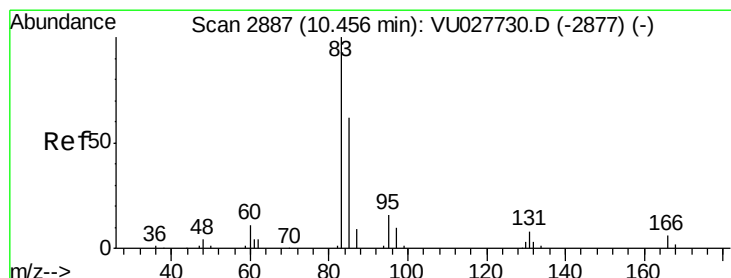
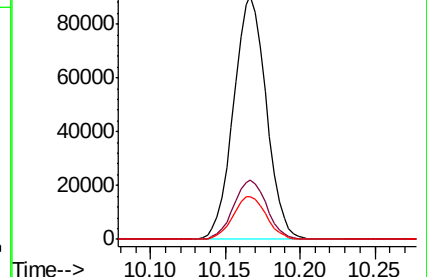
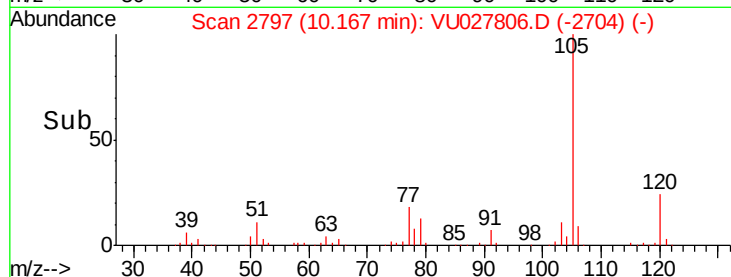
77 17.9 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.323 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

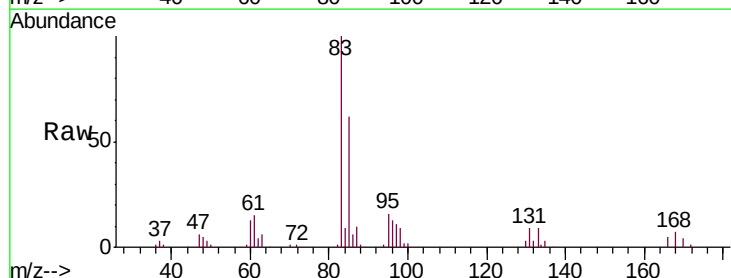
Tgt Ion: 83 Resp: 50402

Ion Ratio Lower Upper

83 100

85 62.4 44.6 82.8

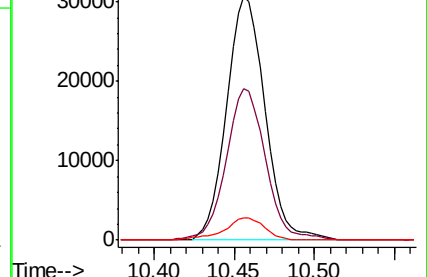
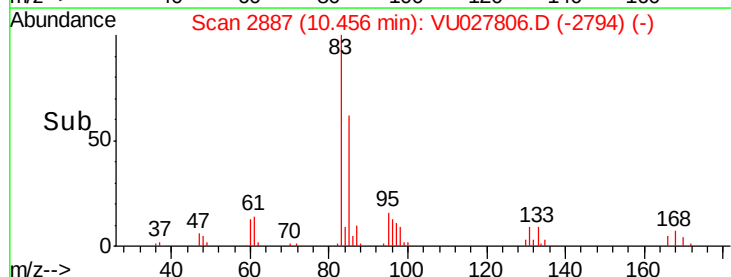
131 9.2 6.9 10.3

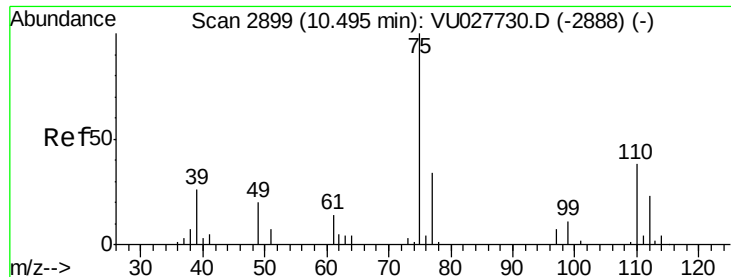


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.037 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

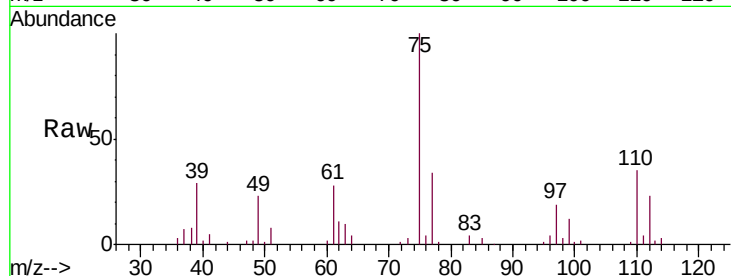
VSTD05031

Tgt Ion: 75 Resp: 40327

Ion Ratio Lower Upper

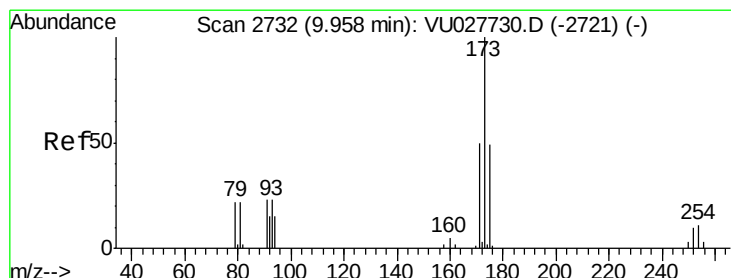
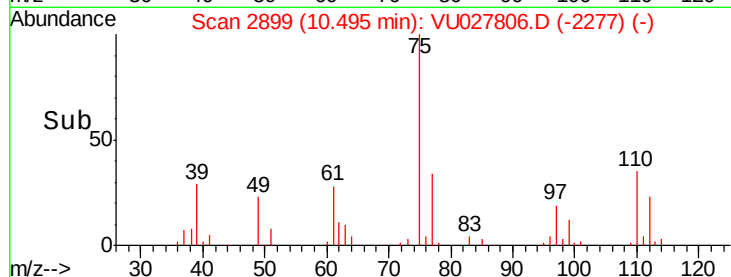
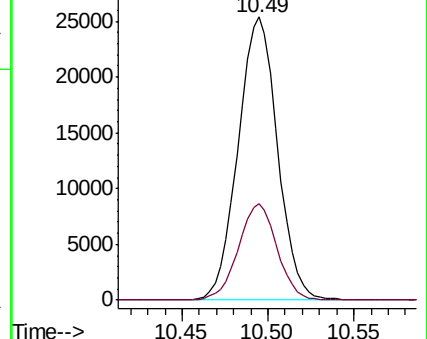
75 100

77 33.2 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU027730.D (-2888) (-)

Ion 77.00 (76.70 to 77.70): VU027730.D (-2888) (-)



#61

Bromoform

Concen: 48.371 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

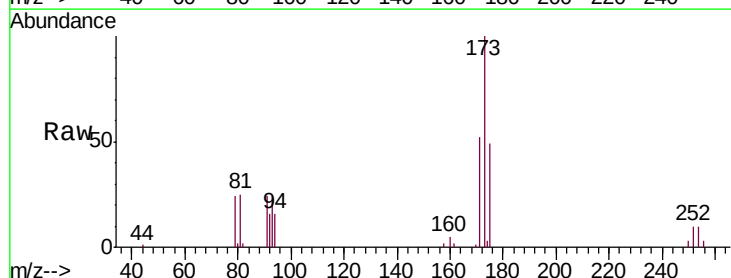
Tgt Ion: 173 Resp: 24654

Ion Ratio Lower Upper

173 100

175 46.9 38.6 58.0

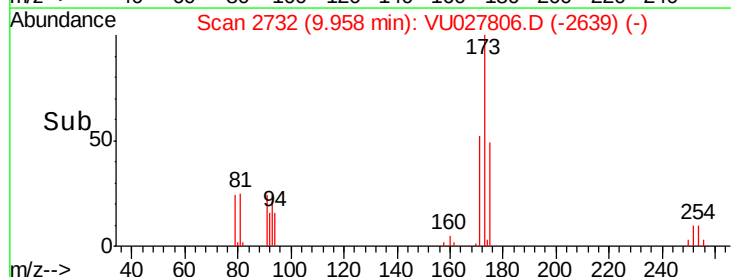
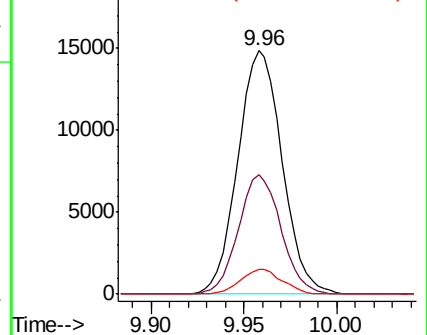
254 9.6 7.9 11.9

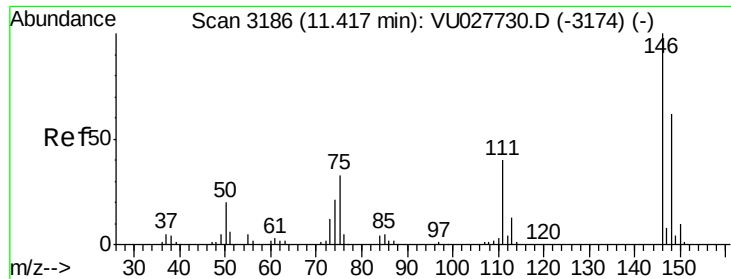


Abundance Ion 173.00 (172.70 to 173.70): VU027730.D (-2721) (-)

Ion 175.00 (174.70 to 175.70): VU027730.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU027730.D (-2721) (-)





#62

1,3-Dichlorobenzene

Concen: 52.360 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

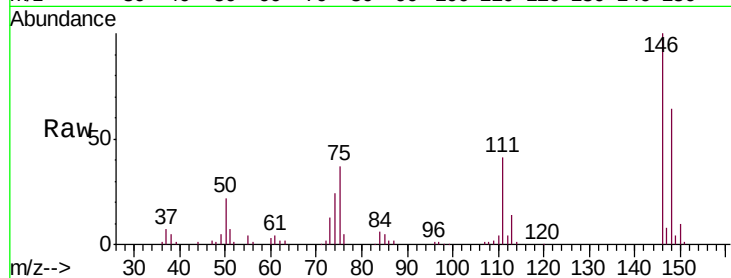
Tgt Ion:146 Resp: 60030

Ion Ratio Lower Upper

146 100

111 41.2 28.1 52.3

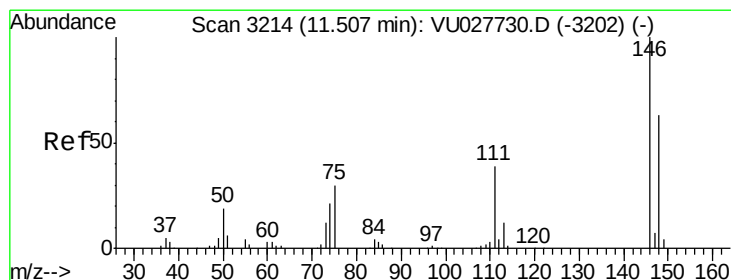
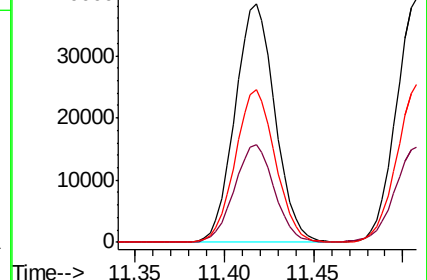
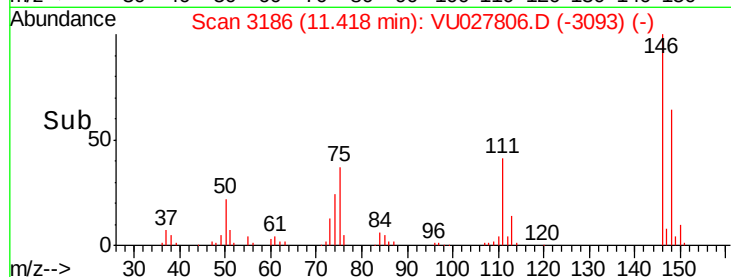
148 64.0 43.7 81.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.454 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

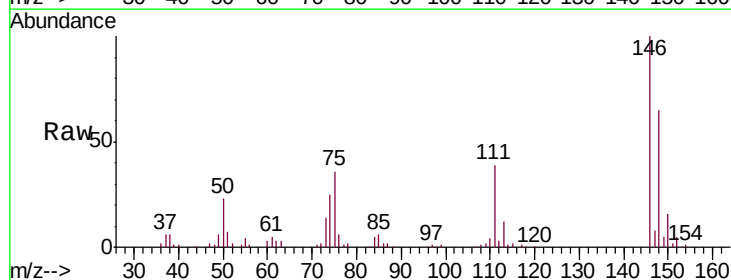
Tgt Ion:146 Resp: 61321

Ion Ratio Lower Upper

146 100

111 39.3 27.5 51.1

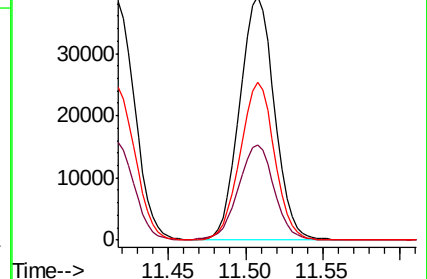
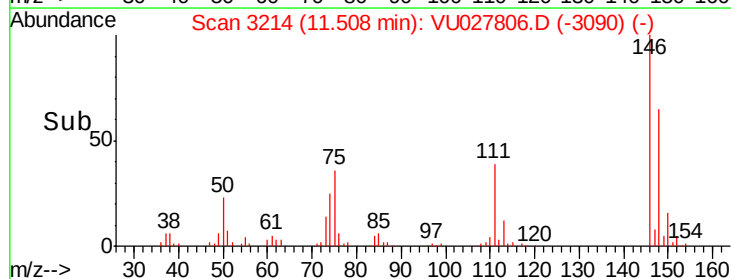
148 64.6 44.1 81.9

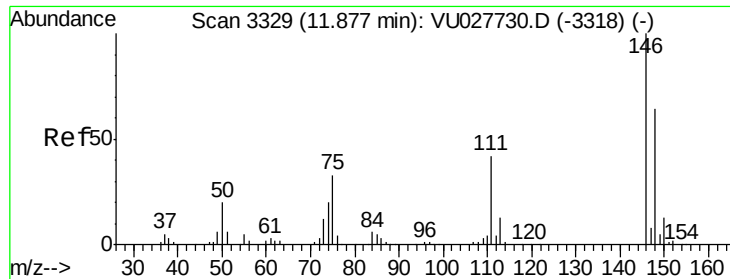


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

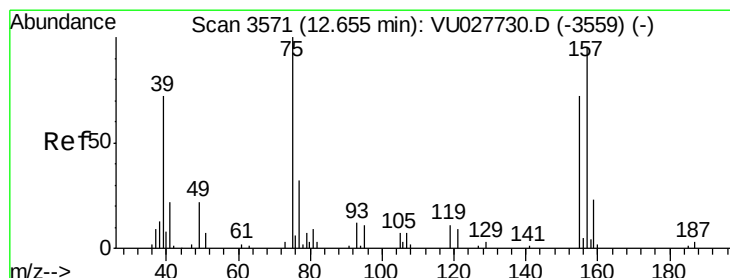
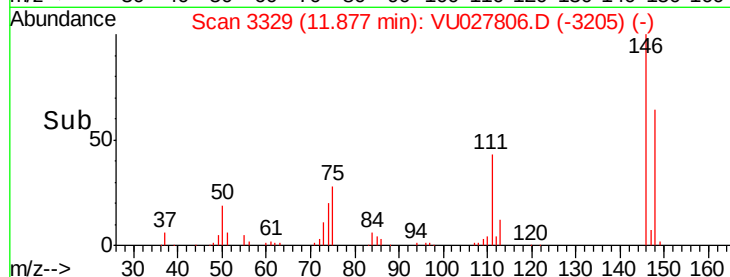
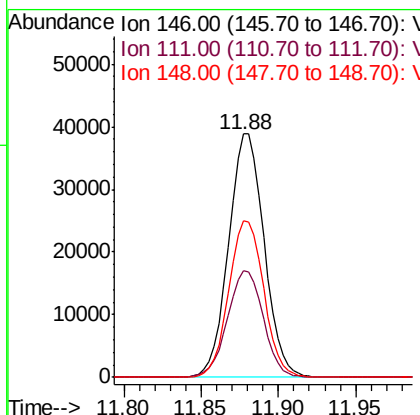
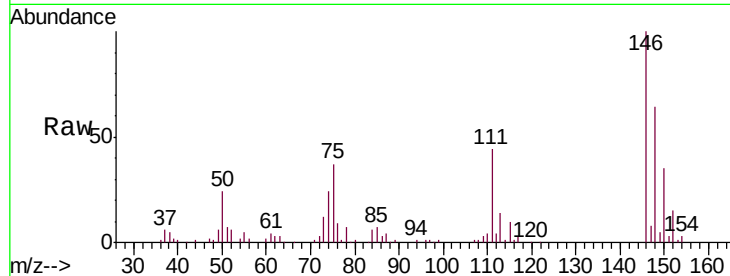




#65
 1,2-Dichlorobenzene
 Concen: 52.445 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

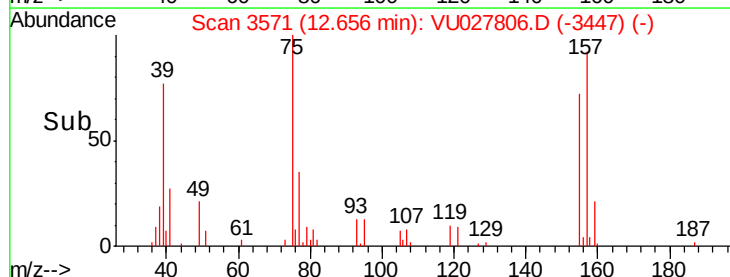
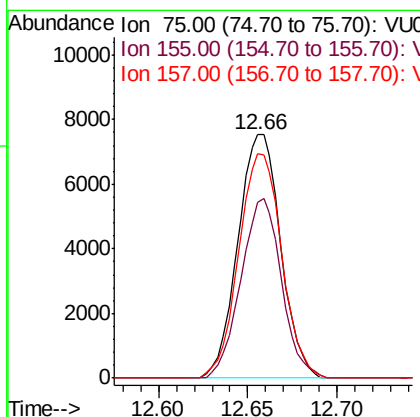
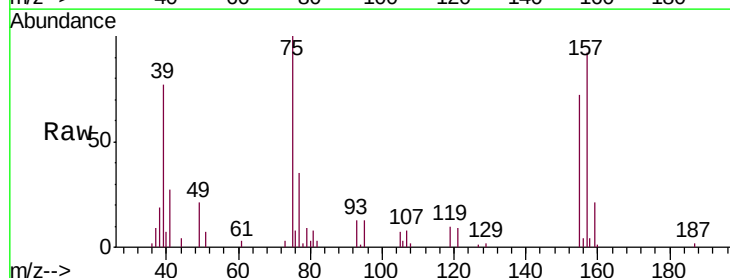
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

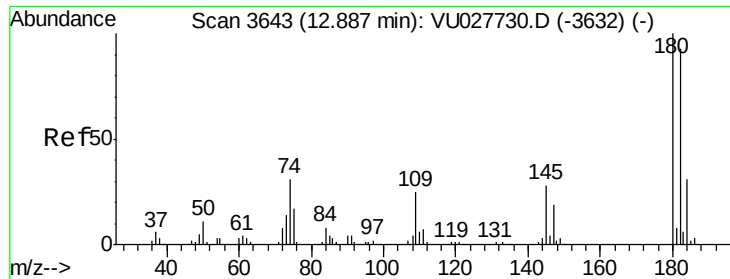
Tgt Ion: 146 Resp: 61844
 Ion Ratio Lower Upper
 146 100
 111 43.5 33.8 50.8
 148 64.2 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.023 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

Tgt Ion: 75 Resp: 12537
 Ion Ratio Lower Upper
 75 100
 155 72.2 57.4 86.2
 157 92.2 75.9 113.9

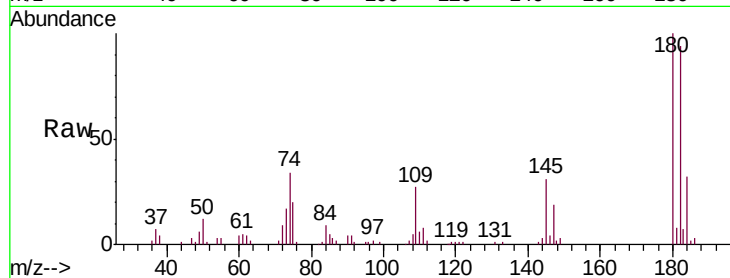




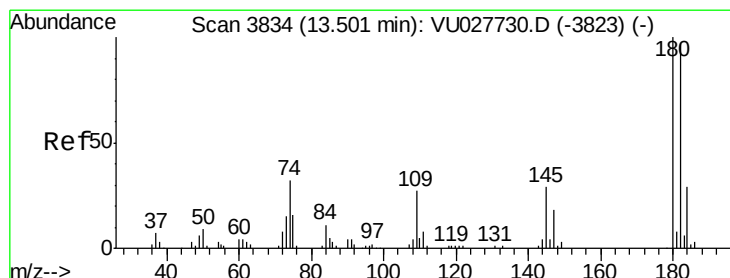
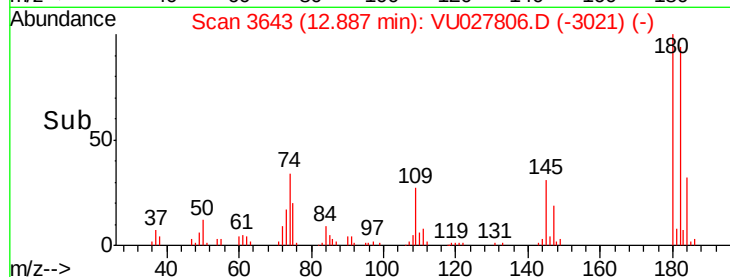
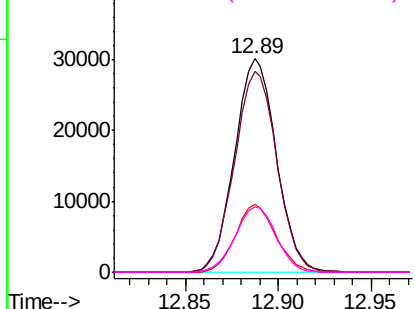
#67
 1,3,5-Trichlorobenzene
 Concen: 53.035 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Tgt Ion:180 Resp: 47027
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.9 113.9
 184 30.6 24.7 37.1
 145 30.0 23.0 34.4

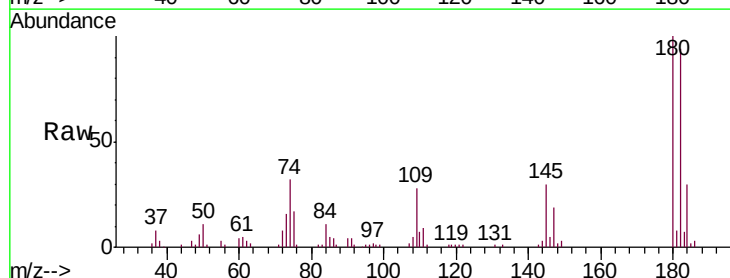


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

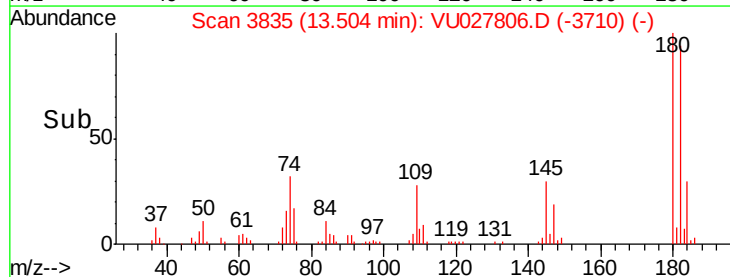
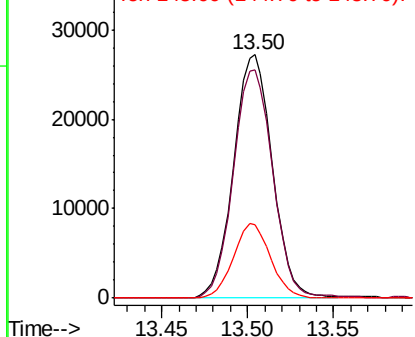


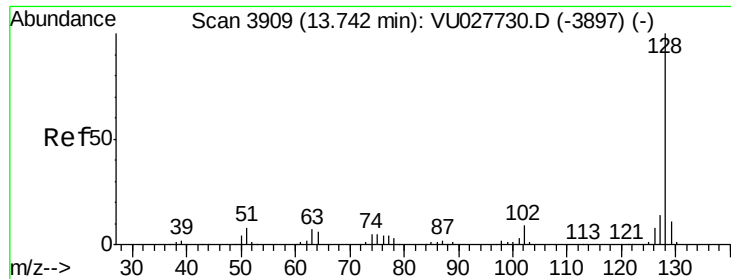
#68
 1,2,4-trichlorobenzene
 Concen: 54.449 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027806.D
 Acq: 25 Oct 2018 15:45

Tgt Ion:180 Resp: 42862
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.1 115.7
 145 29.1 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: 52.277 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampled :

VSTD05031

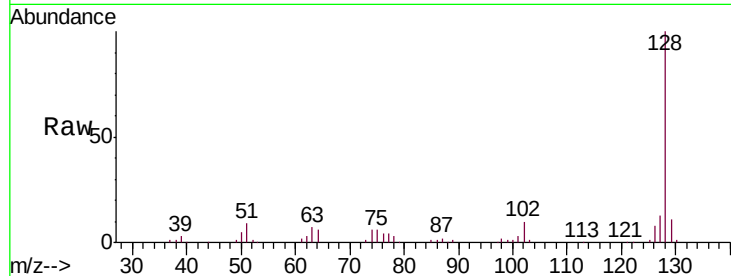
Tgt Ion:128 Resp: 132914

Ion Ratio Lower Upper

128 100

127 13.3 10.9 16.3

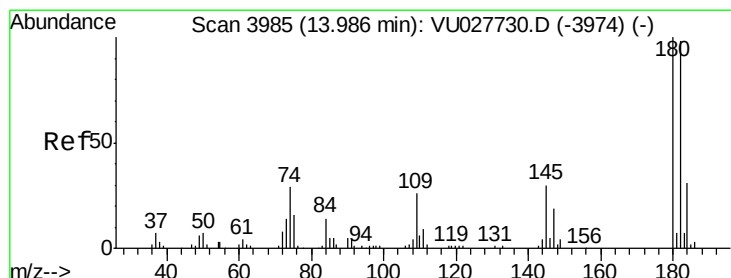
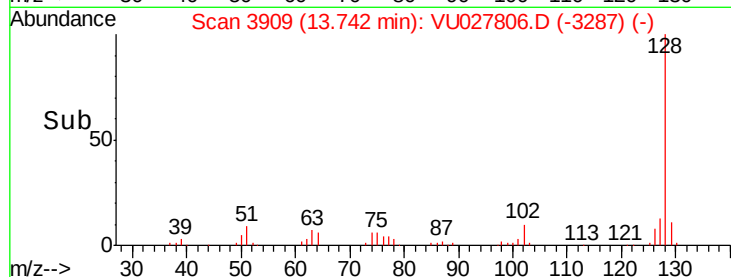
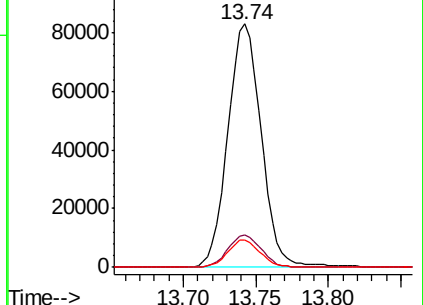
129 10.9 8.7 13.1



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: 53.956 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027806.D

Acq: 25 Oct 2018 15:45

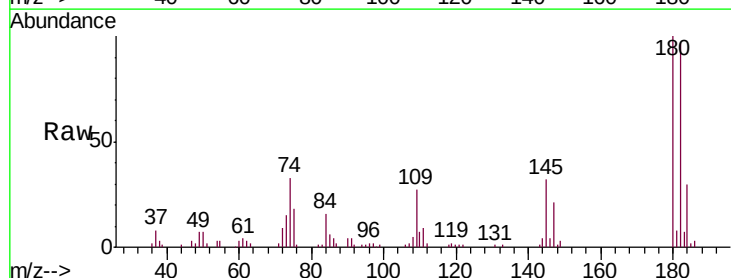
Tgt Ion:180 Resp: 44391

Ion Ratio Lower Upper

180 100

182 96.3 77.8 116.6

145 32.2 25.0 37.4



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

