

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
 Data File : VU026811.D
 Acq On : 16 Sep 2018 06:32
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00546

Quant Time: Sep 17 07:16:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 07:09:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	129074	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	108796	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54777	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48982	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	1.68	69	41246	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.28	63	93125	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.80%
20) 2-Butanone-d5	4.21	46	102287	47.27	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.54%
24) Chloroform-d	4.65	84	82855	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.31	65	43431	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.34	84	168082	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.33	67	52328	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.57	98	153590	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
43) trans-1,3-Dichloropropene-	7.85	79	15946	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.32	63	69799	48.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39523	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	54654	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	65658	4.703	ug/L 100
3) Chloromethane	1.33	50	71220	5.159	ug/L 99
5) Vinyl chloride	1.40	62	70096	4.949	ug/L 100
6) Bromomethane	1.63	94	25087	3.563	ug/L 96
8) Chloroethane	1.70	64	43439	4.854	ug/L 96
9) Trichlorofluoromethane	1.89	101	87560	4.953	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	46843	4.590	ug/L 99
12) 1,1-Dichloroethene	2.29	96	47769	4.966	ug/L 98
13) Acetone	2.33	43	84353	43.847	ug/L 98
14) Carbon disulfide	2.48	76	165364	4.943	ug/L 100
15) Methyl Acetate	2.62	43	25177	4.989	ug/L 95
16) Methylene chloride	2.70	84	56543	4.835	ug/L 98
17) Methyl tert-butyl Ether	3.01	73	113151	4.870	ug/L 100
18) trans-1,2-Dichloroethene	2.98	96	51513	4.876	ug/L 96
19) 1,1-Dichloroethane	3.45	63	100258	5.086	ug/L 98
21) 2-Butanone	4.29	43	148438	46.699	ug/L 100
22) cis-1,2-Dichloroethene	4.23	96	57044	4.995	ug/L 99

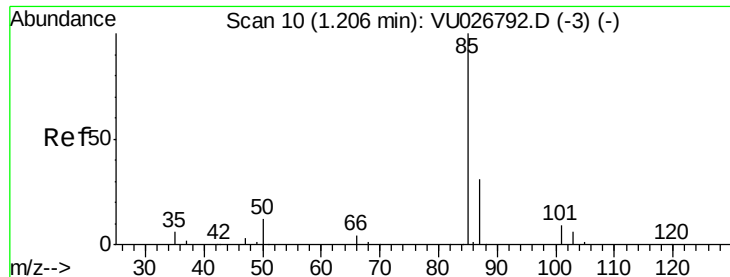
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
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 QLast Update : Mon Sep 17 07:09:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	24092	4.957	ug/L	95
25) Chloroform	4.67	83	96037	5.054	ug/L	96
27) 1,2-Dichloroethane	5.41	62	62864	5.137	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	83114	5.306	ug/L	100
30) Cyclohexane	4.99	56	89215	5.054	ug/L	100
31) Carbon tetrachloride	5.13	117	73163	5.310	ug/L	99
33) Benzene	5.39	78	216679	5.324	ug/L	100
34) Trichloroethene	6.18	95	52716	5.080	ug/L	98
35) Methylcyclohexane	6.41	83	71340	4.230	ug/L	98
37) 1,2-Dichloropropane	6.44	63	57850	5.350	ug/L	99
38) Bromodichloromethane	6.76	83	68596	5.193	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	58790	4.053	ug/L	99
40) 4-Methyl-2-pentanone	7.48	43	318461	49.981	ug/L	100
42) Toluene	7.64	91	220694	5.356	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	50499	4.348	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	37862	5.210	ug/L	97
47) Tetrachloroethene	8.23	164	44632	4.933	ug/L	98
48) 2-Hexanone	8.37	43	234950	52.177	ug/L	100
49) Dibromochloromethane	8.48	129	46716	5.216	ug/L	98
50) 1,2-Dibromoethane	8.59	107	35485	5.222	ug/L	100
51) Chlorobenzene	9.12	112	140271	5.067	ug/L	99
52) Ethylbenzene	9.25	91	210632	5.109	ug/L	100
53) m,p-xylene	9.38	106	85405	5.408	ug/L	99
54) o-xylene	9.78	106	79663	5.273	ug/L	100
55) Styrene	9.79	104	149906	5.644	ug/L	98
56) Isopropylbenzene	10.17	105	206558	5.240	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	47570	5.231	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	33855	5.324	ug/L	98
61) Bromoform	9.96	173	26170	5.029	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	98996	5.014	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	109785	4.907	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	107549	5.213	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	6813	5.203	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	80677	4.895	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	64120	4.764	ug/L	99
69) Naphthalene	13.74	128	90911	4.698	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	67504	5.272	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.703 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

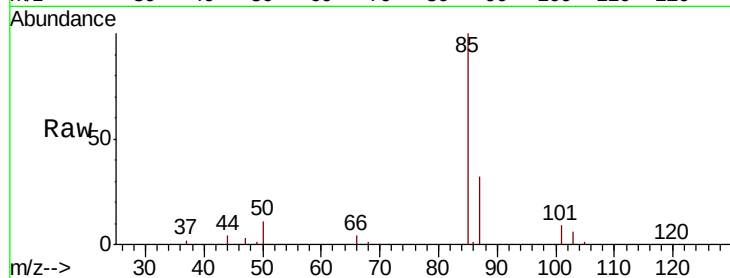
VSTD00546

Tgt Ion: 85 Resp: 65658

Ion Ratio Lower Upper

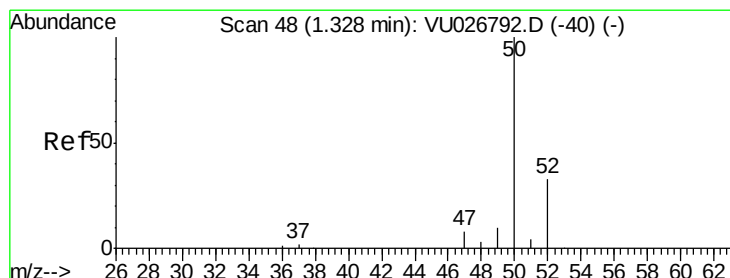
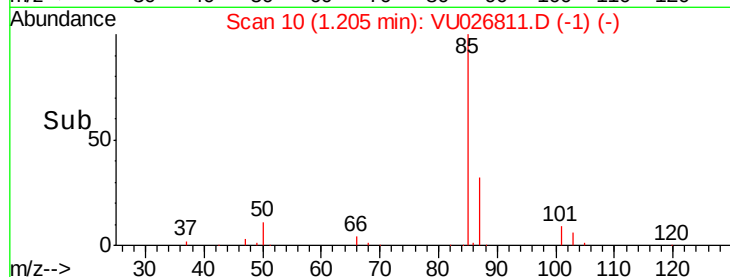
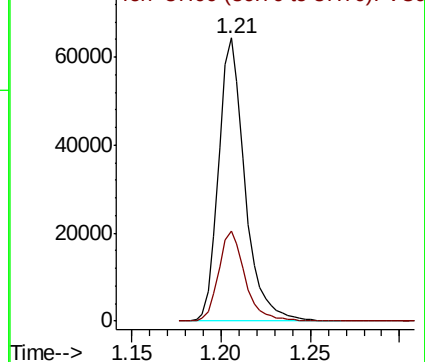
85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.159 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026811.D

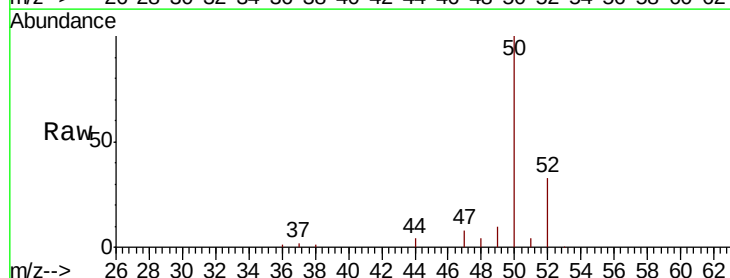
Acq: 16 Sep 2018 06:32

Tgt Ion: 50 Resp: 71220

Ion Ratio Lower Upper

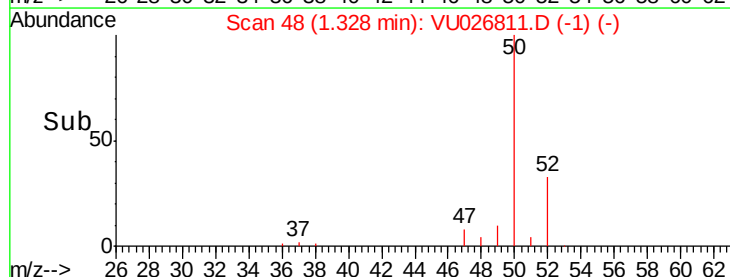
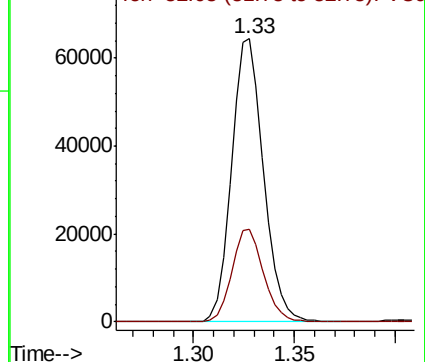
50 100

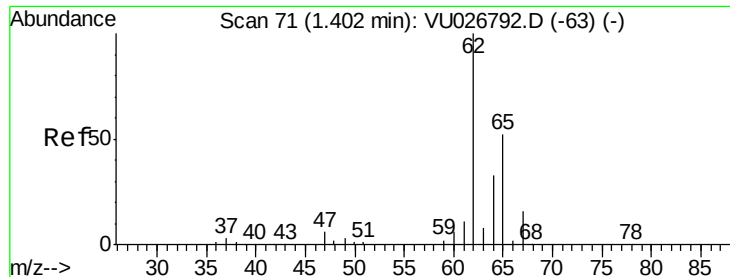
52 32.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.949 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

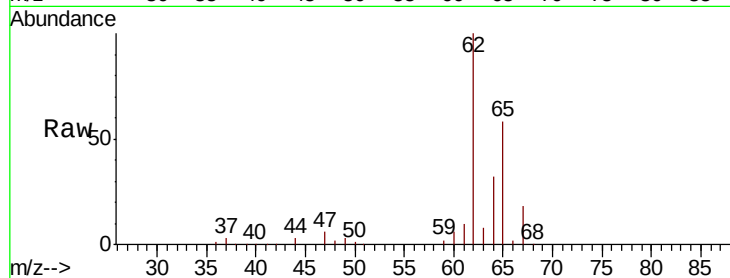
VSTD00546

Tgt Ion: 62 Resp: 70096

Ion Ratio Lower Upper

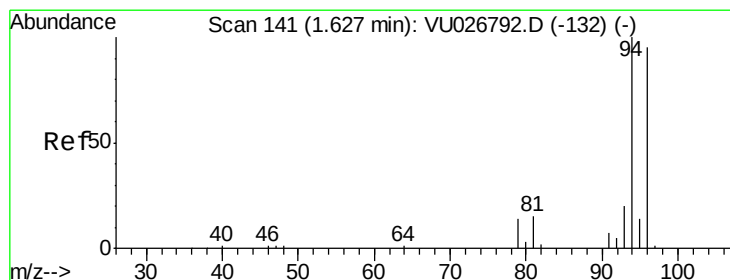
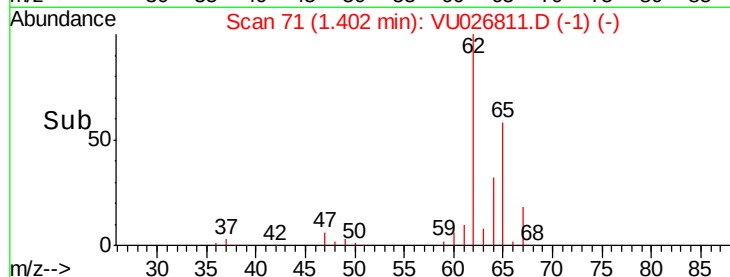
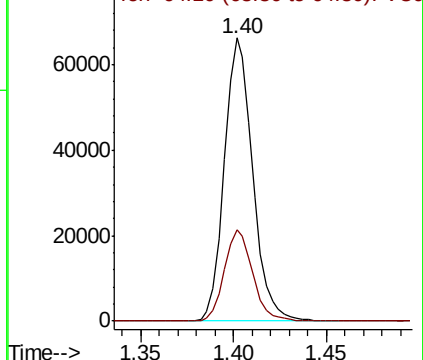
62 100

64 32.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.563 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU026811.D

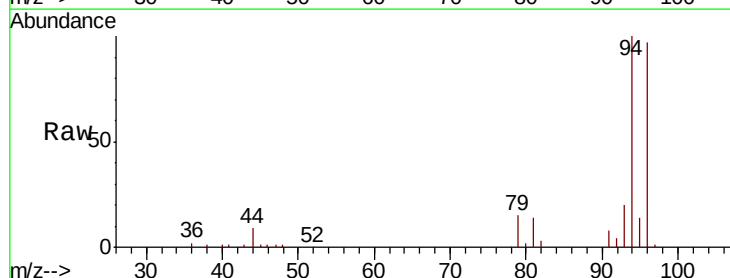
Acq: 16 Sep 2018 06:32

Tgt Ion: 94 Resp: 25087

Ion Ratio Lower Upper

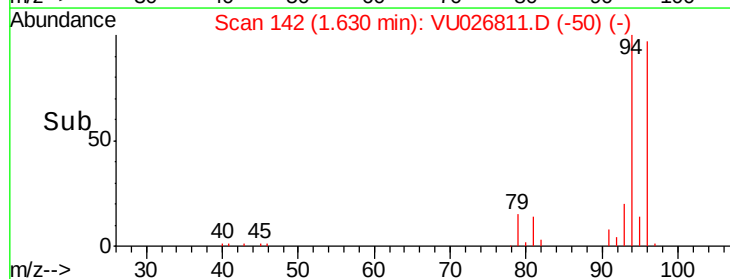
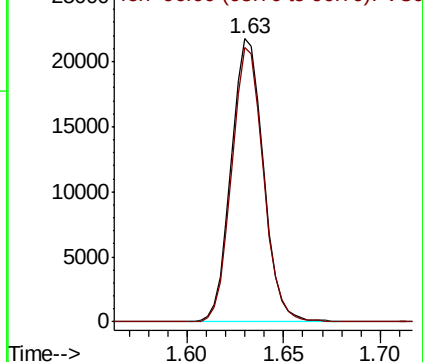
94 100

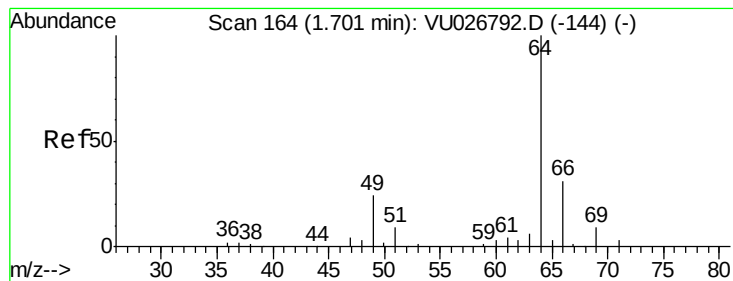
96 96.8 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.854 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

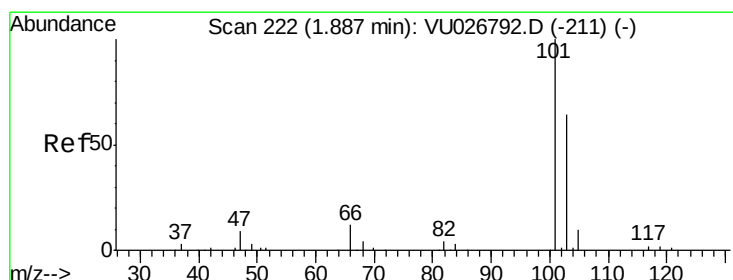
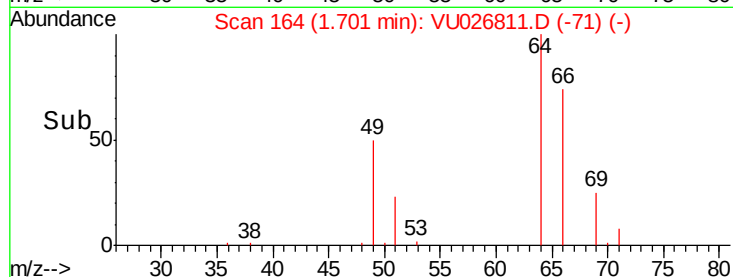
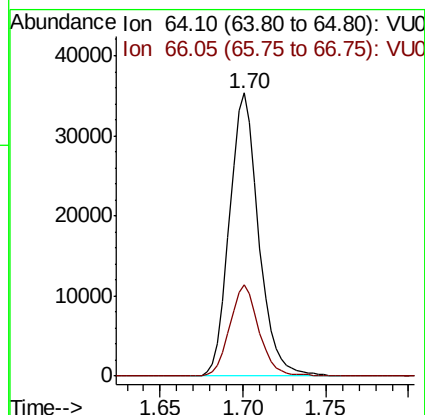
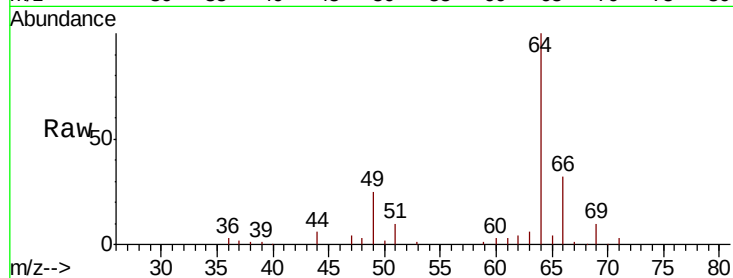
VSTD00546

Tgt Ion: 64 Resp: 43439

Ion Ratio Lower Upper

64 100

66 32.2 20.9 38.9



#9

Trichlorofluoromethane

Concen: 4.953 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026811.D

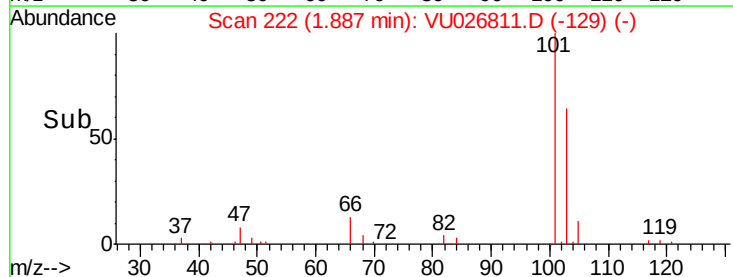
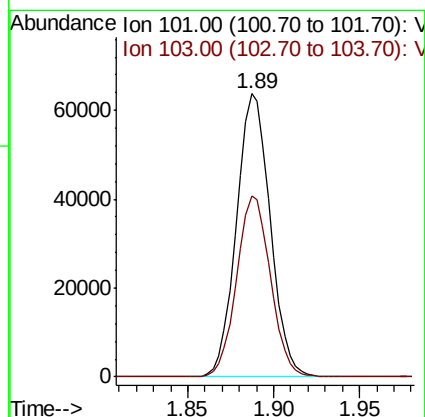
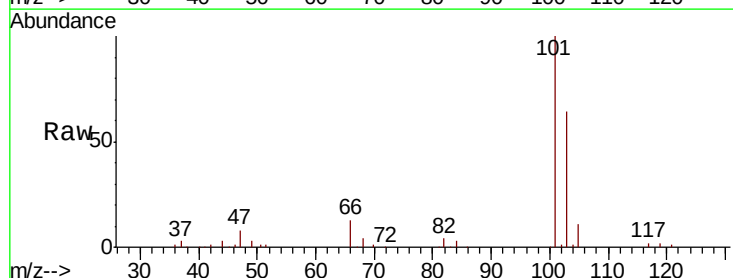
Acq: 16 Sep 2018 06:32

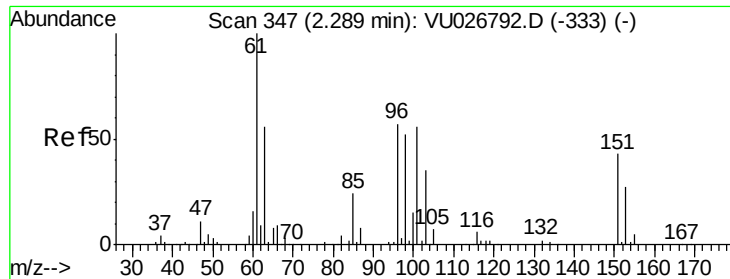
Tgt Ion: 101 Resp: 87560

Ion Ratio Lower Upper

101 100

103 63.9 51.2 76.8





#10

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

Concen: 4.590 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00546

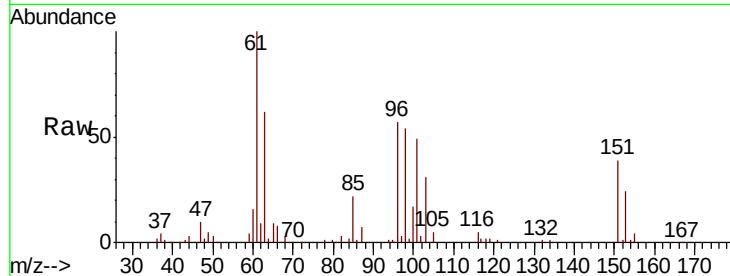
Tgt Ion: 101 Resp: 46843

Ion Ratio Lower Upper

101 100

85 43.2 35.1 52.7

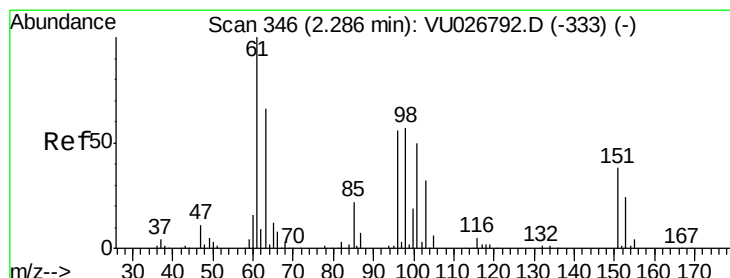
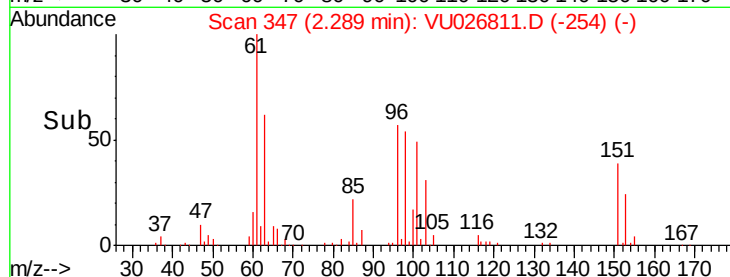
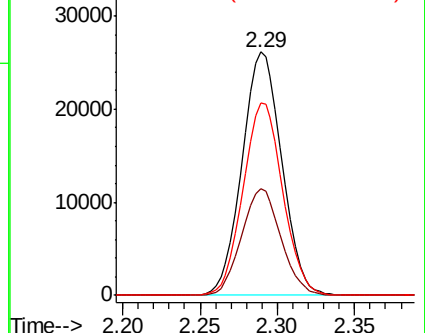
151 78.7 63.3 94.9



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: 4.966 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

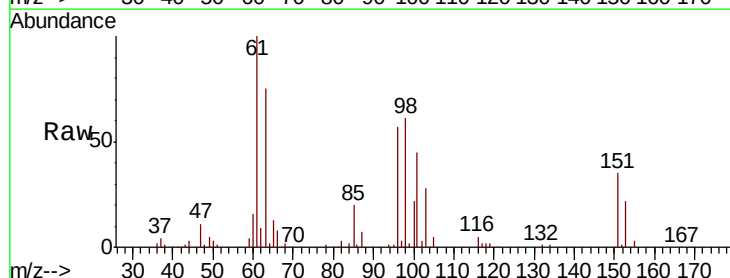
Tgt Ion: 96 Resp: 47769

Ion Ratio Lower Upper

96 100

61 176.6 126.6 235.2

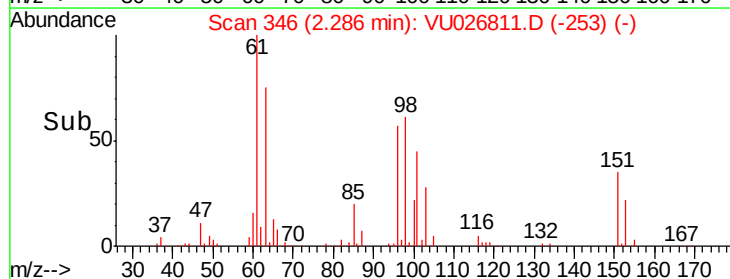
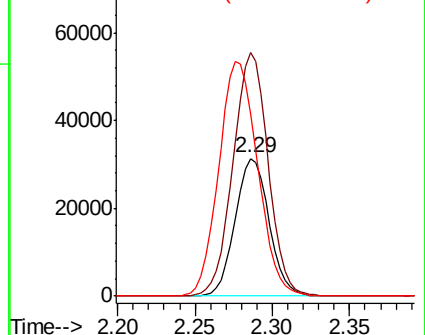
63 132.3 91.3 169.5

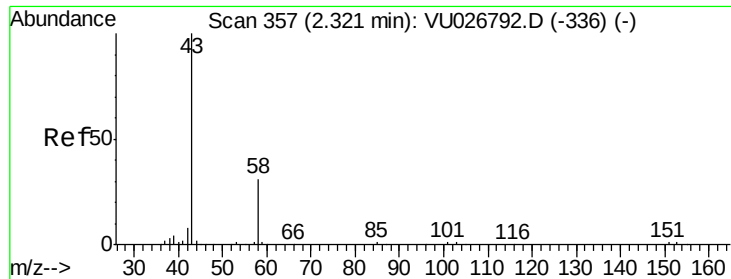


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.847 ug/L

RT: 2.33 min Scan# 361

Delta R.T. -0.02 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

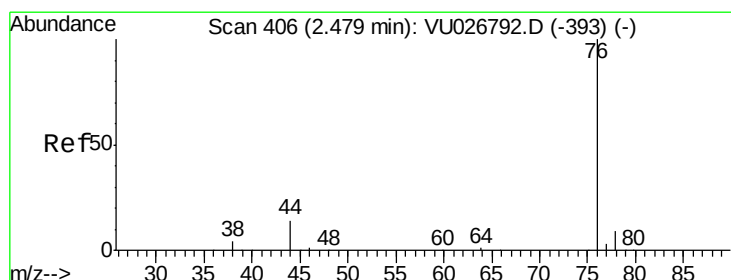
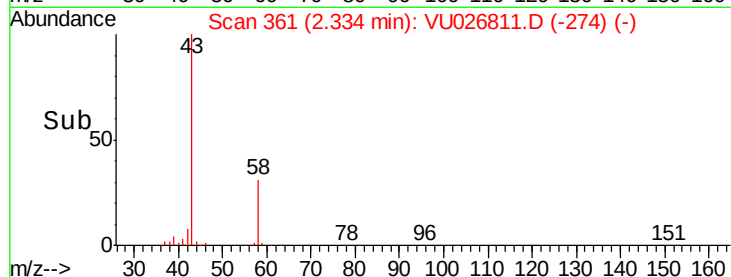
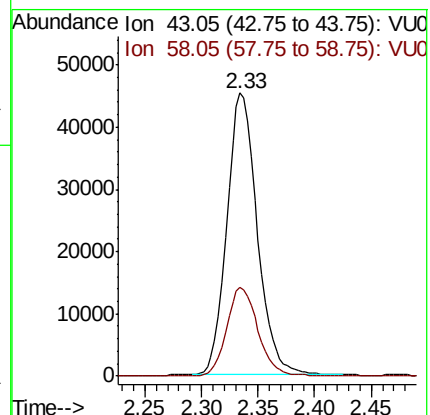
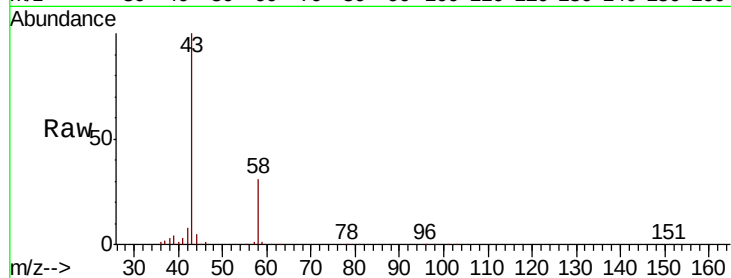
VSTD00546

Tgt Ion: 43 Resp: 84353

Ion Ratio Lower Upper

43 100

58 32.6 0.0 63.0



#14

Carbon disulfide

Concen: 4.943 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026811.D

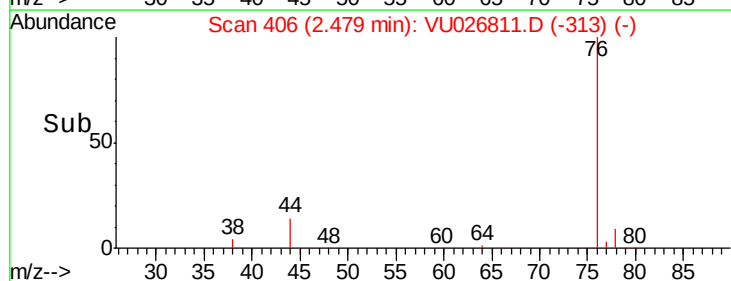
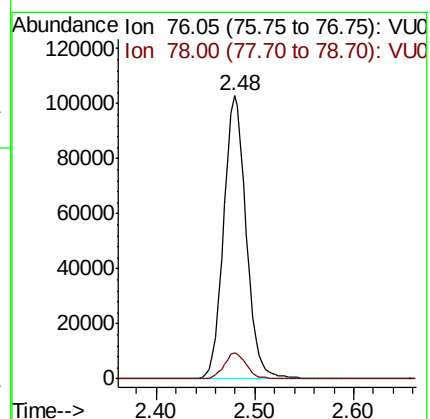
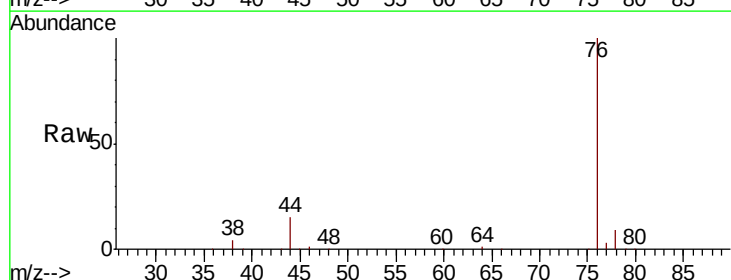
Acq: 16 Sep 2018 06:32

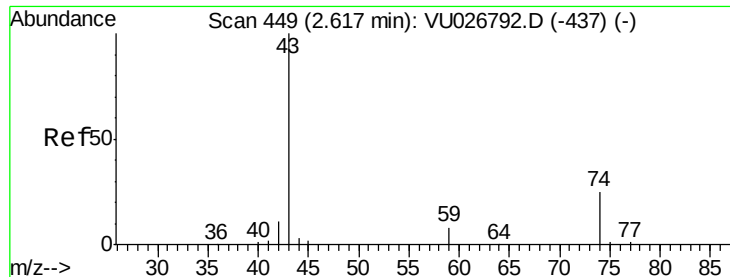
Tgt Ion: 76 Resp: 165364

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

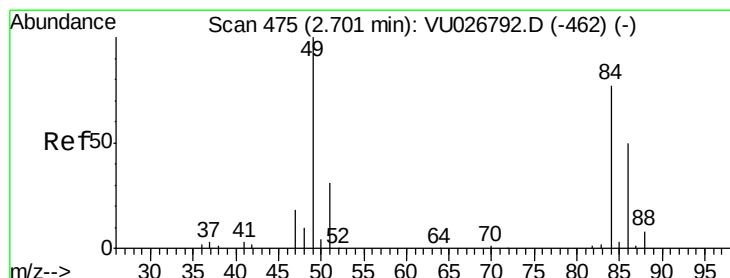
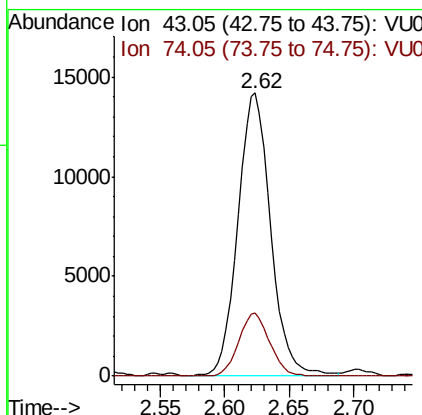
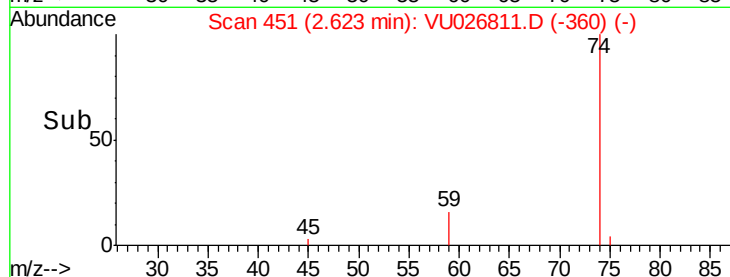
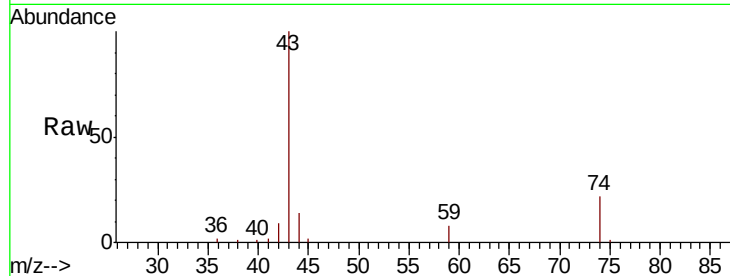




#15
Methyl Acetate
Concen: 4.989 ug/L
RT: 2.62 min Scan# 451
Delta R.T. -0.01 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

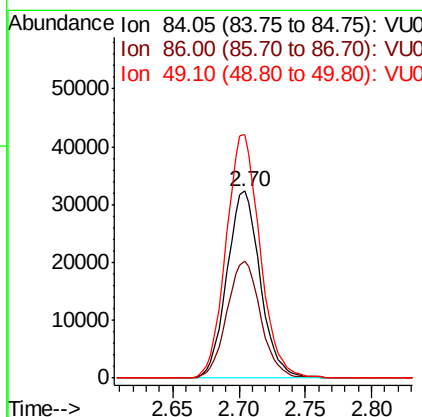
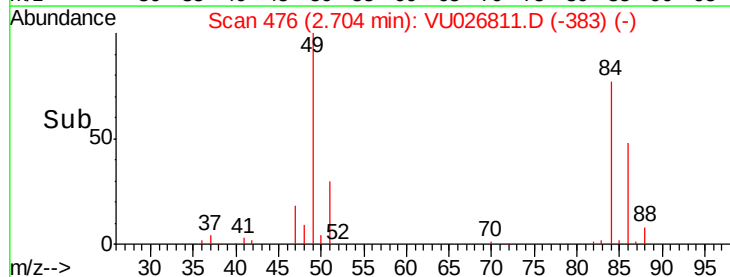
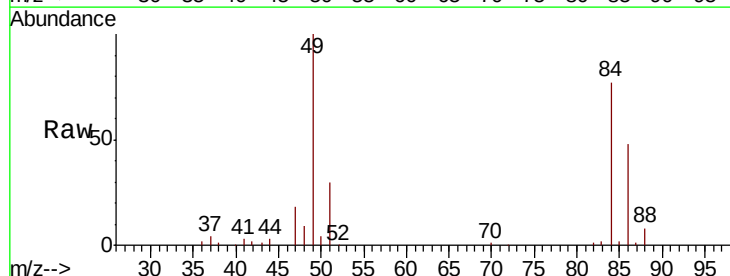
Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

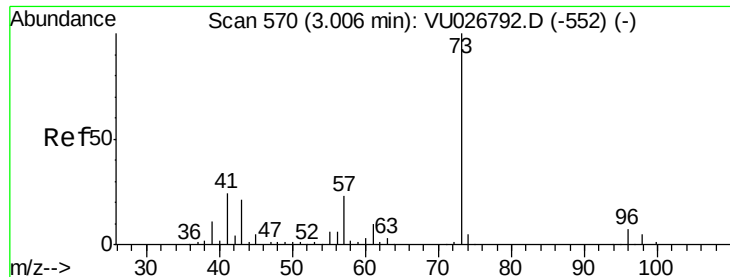
Tgt Ion: 43 Resp: 25177
Ion Ratio Lower Upper
43 100
74 20.8 18.5 27.7



#16
Methylene chloride
Concen: 4.835 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

Tgt Ion: 84 Resp: 56543
Ion Ratio Lower Upper
84 100
86 62.1 46.1 85.5
49 130.0 92.1 171.1

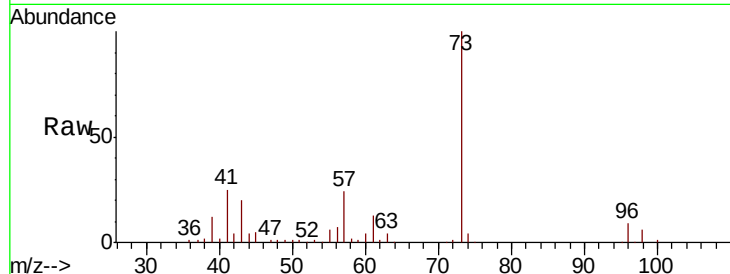




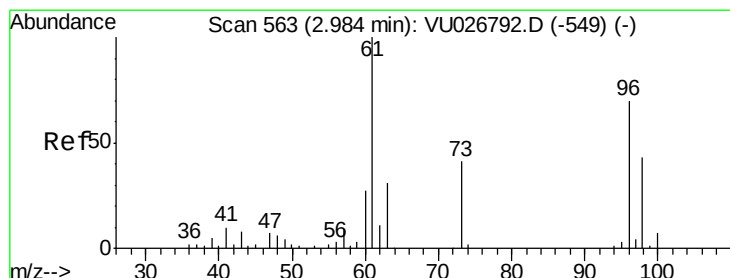
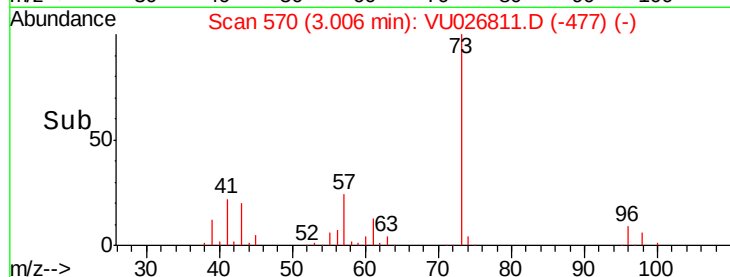
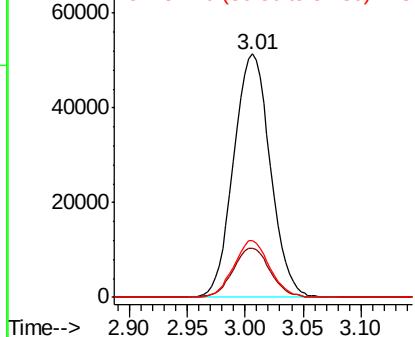
#17
Methyl tert-butyl Ether
Concen: 4.870 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 73 Resp: 113151
Ion Ratio Lower Upper
73 100
43 20.4 16.0 24.0
57 22.8 18.2 27.4

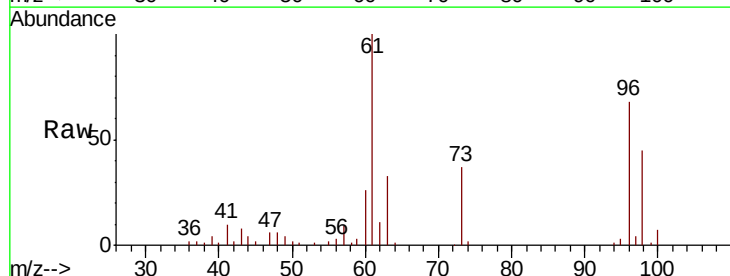


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

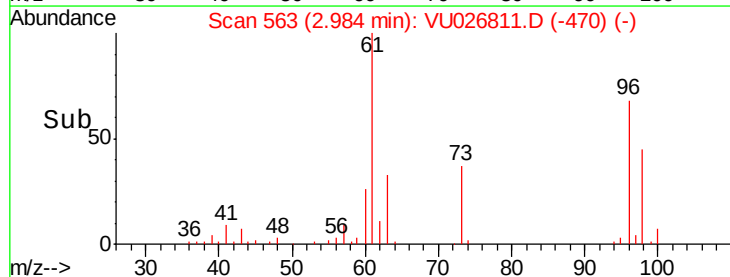
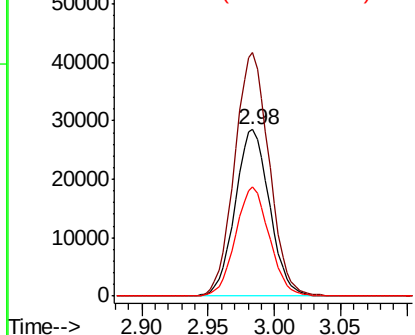


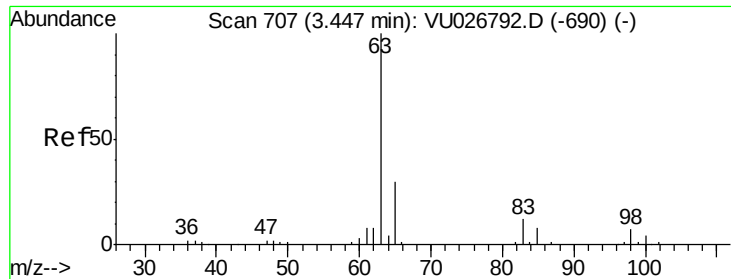
#18
trans-1,2-Dichloroethene
Concen: 4.876 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

Tgt Ion: 96 Resp: 51513
Ion Ratio Lower Upper
96 100
61 146.3 99.0 183.8
98 65.4 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

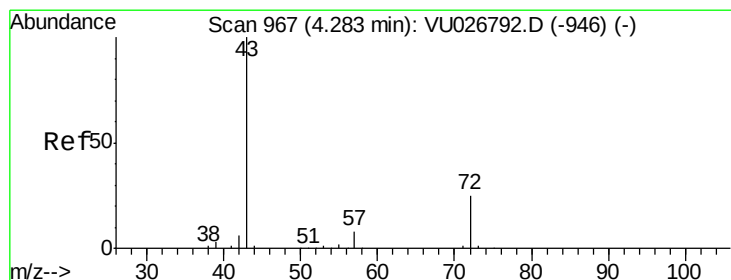
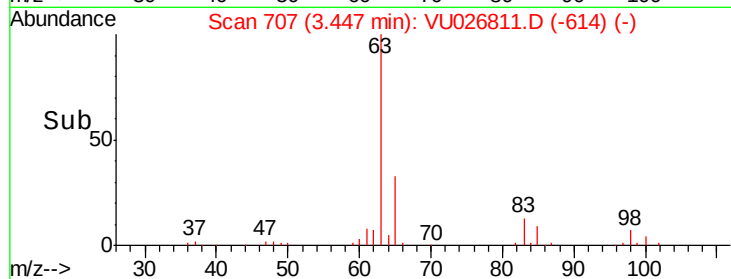
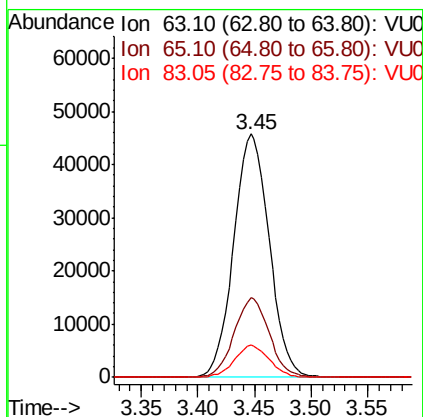
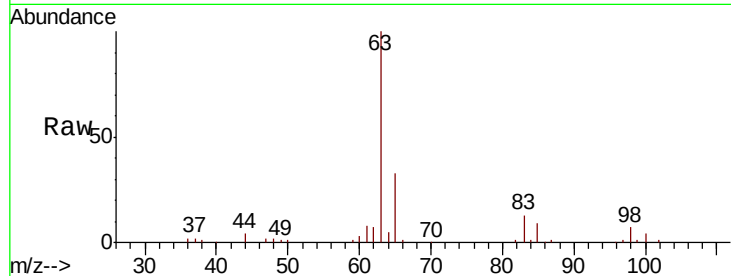




#19
 1,1-Dichloroethane
 Concen: 5.086 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

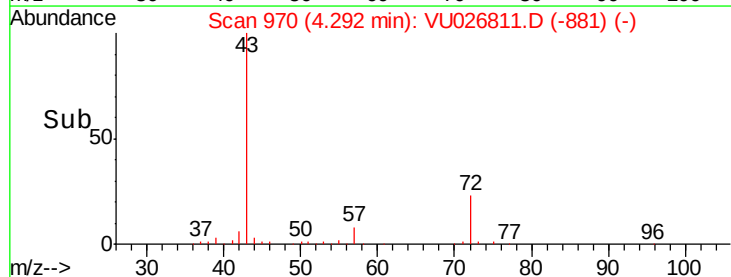
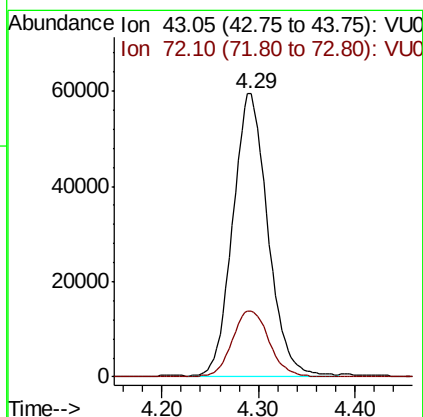
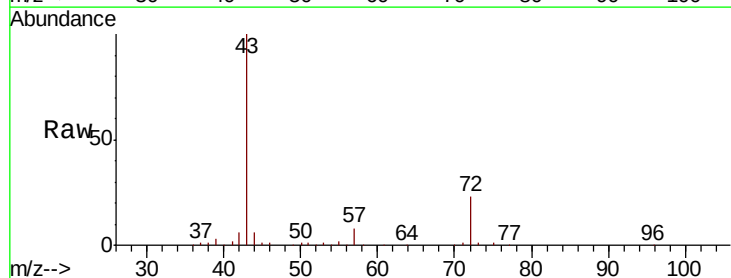
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00546

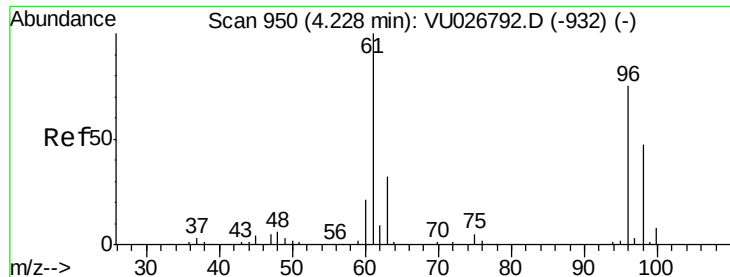
Tgt Ion: 63 Resp: 100258
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.7 40.3
 83 13.1 9.0 16.6



#21
 2-Butanone
 Concen: 46.699 ug/L
 RT: 4.29 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Tgt Ion: 43 Resp: 148438
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.6 37.8



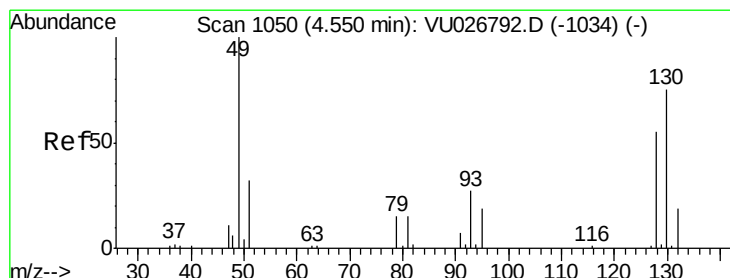
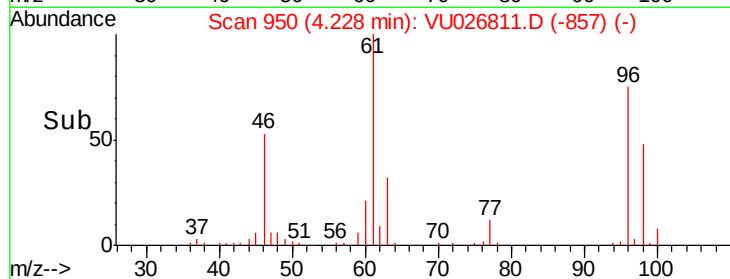
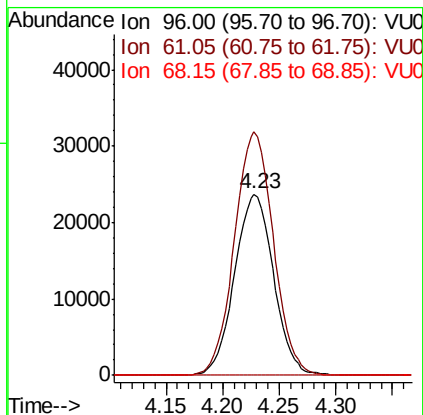
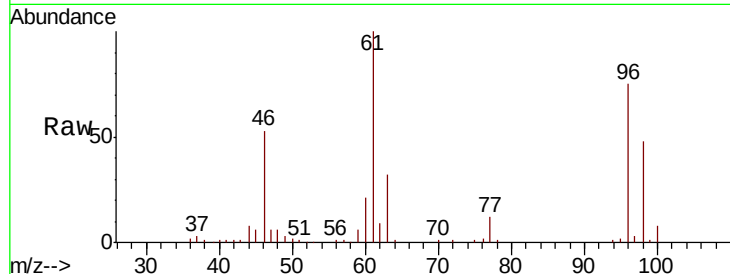


#22

cis-1,2-Dichloroethene
Concen: 4.995 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

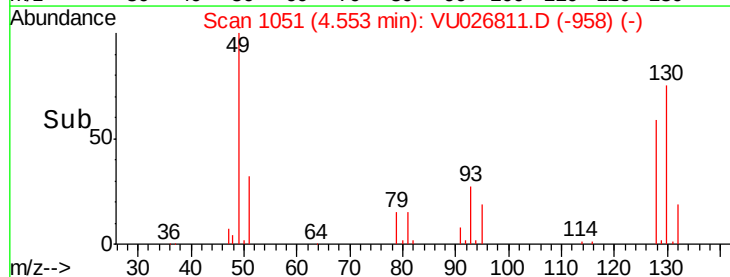
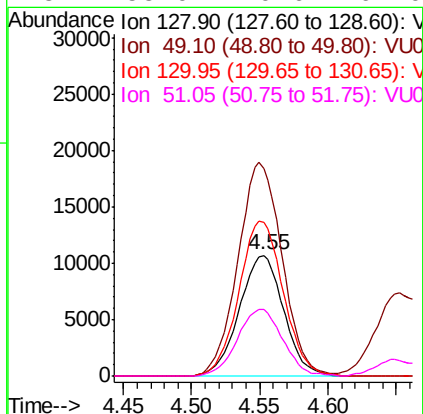
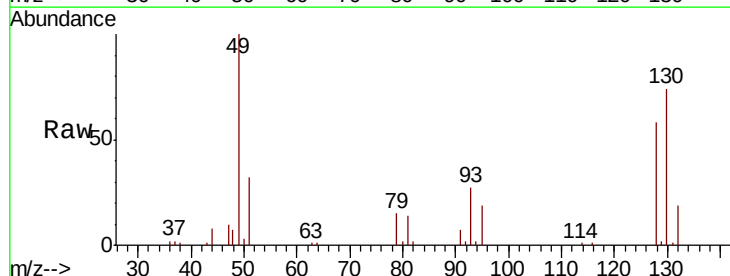
Tgt Ion: 96 Resp: 57044
Ion Ratio Lower Upper
96 100
61 134.2 94.4 175.2
68 0.0 0.0 0.0

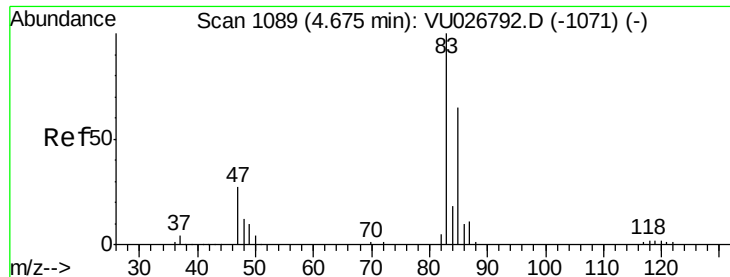


#23

Bromochloromethane
Concen: 4.957 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

Tgt Ion: 128 Resp: 24092
Ion Ratio Lower Upper
128 100
49 172.6 115.0 213.6
130 128.0 87.2 161.9
51 55.0 40.6 61.0

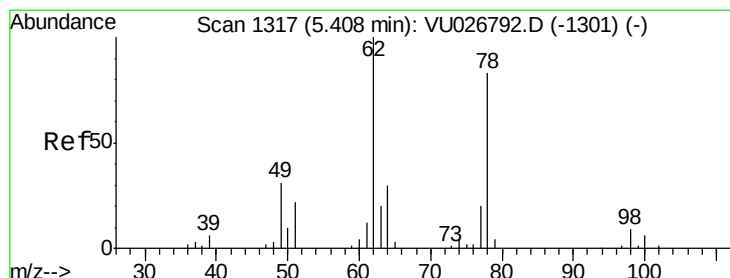
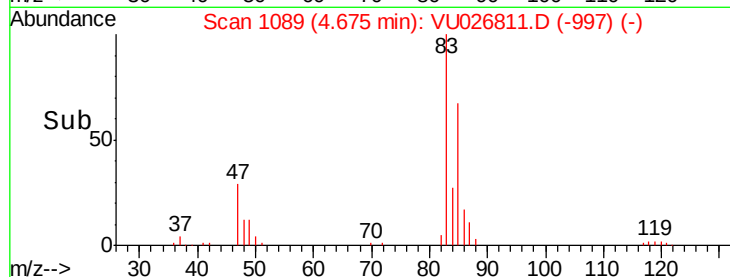
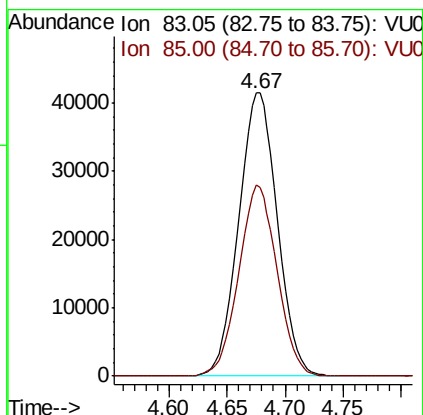
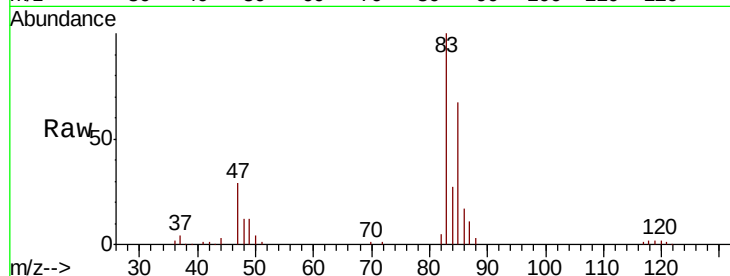




#25
Chloroform
Concen: 5.054 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

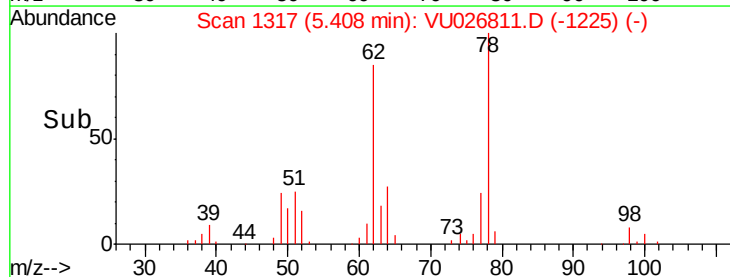
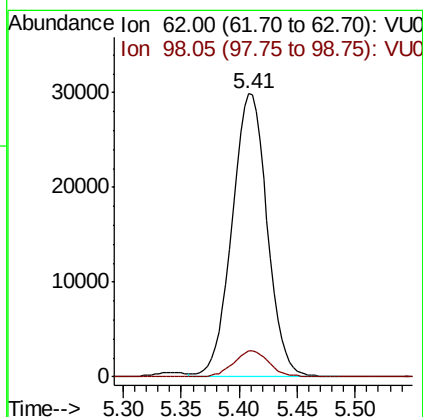
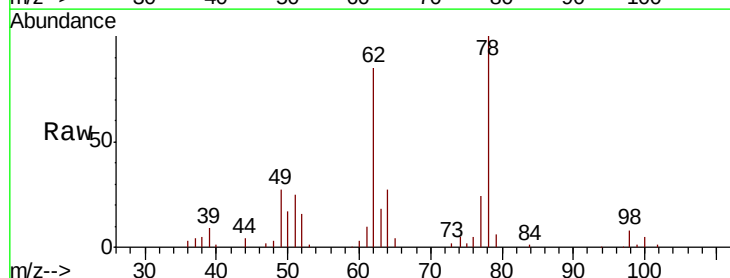
Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

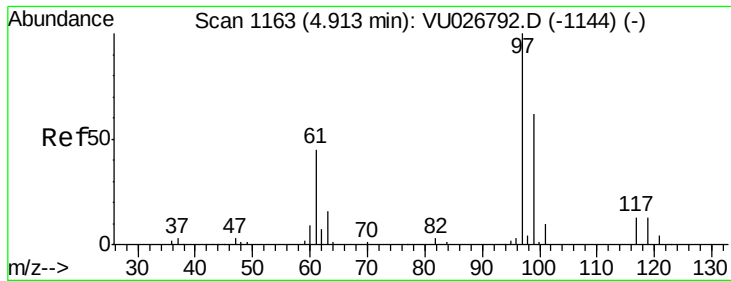
Tgt Ion: 83 Resp: 96037
Ion Ratio Lower Upper
83 100
85 67.4 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.137 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

Tgt Ion: 62 Resp: 62864
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.8

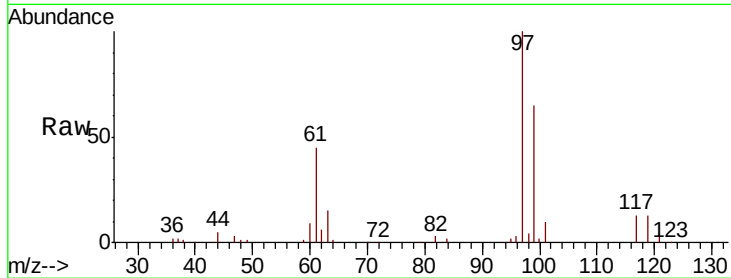




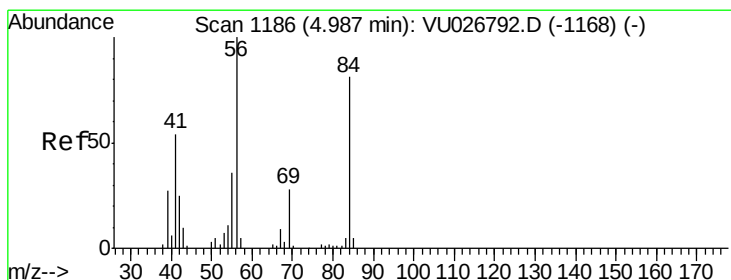
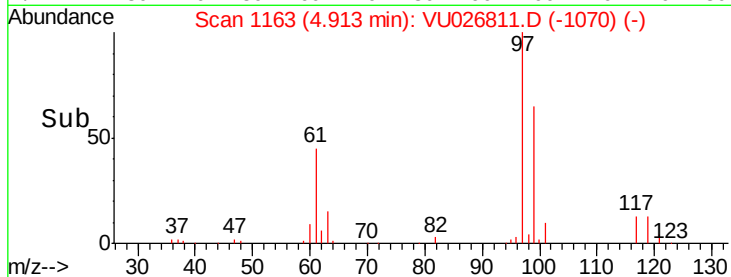
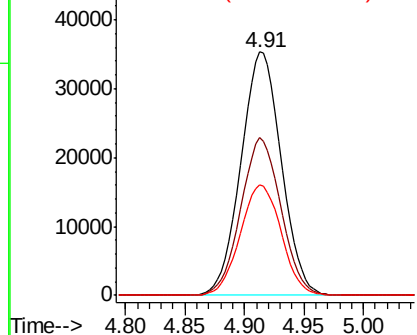
#29
 1,1,1-Trichloroethane
 Concen: 5.306 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00546

Tgt Ion: 97 Resp: 83114
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 46.3 36.6 54.8

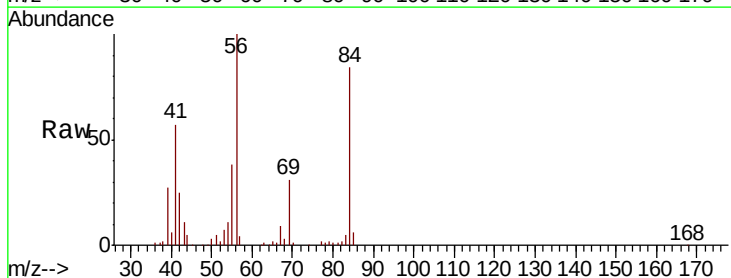


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

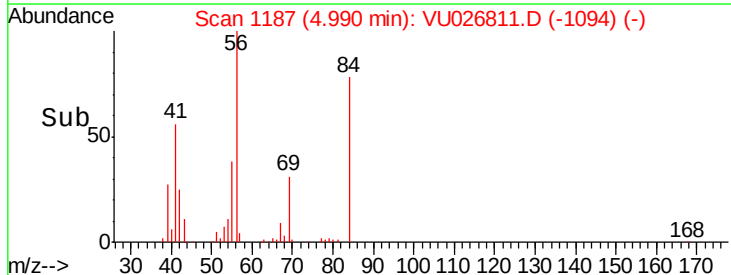
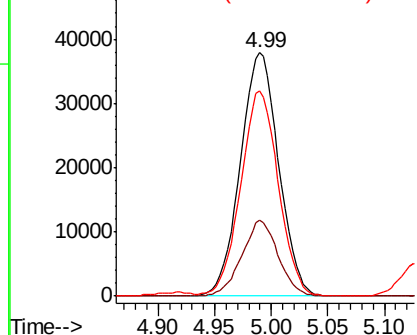


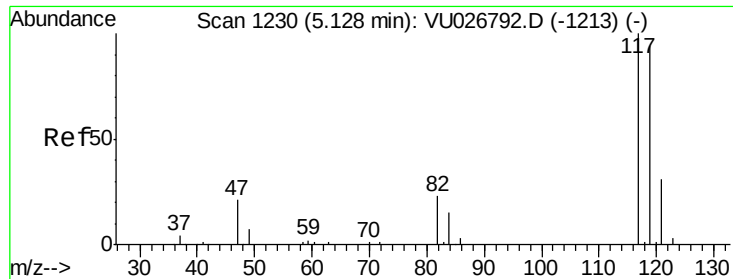
#30
 Cyclohexane
 Concen: 5.054 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Tgt Ion: 56 Resp: 89215
 Ion Ratio Lower Upper
 56 100
 69 29.5 23.9 35.9
 84 83.0 66.6 100.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.310 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

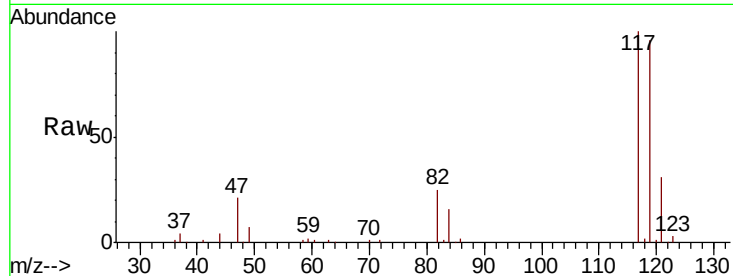
VSTD00546

Tgt Ion:117 Resp: 73163

Ion Ratio Lower Upper

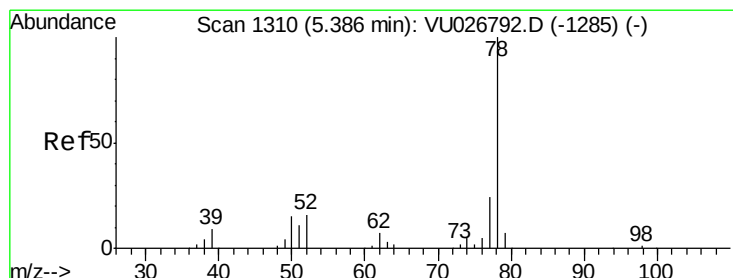
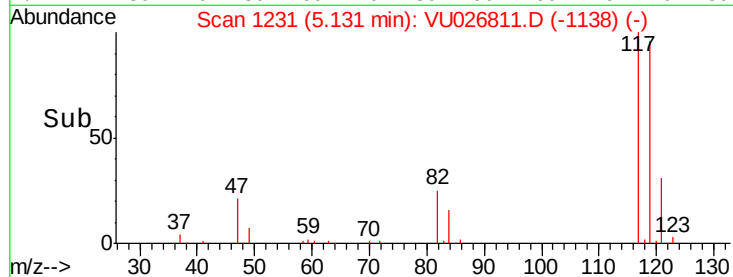
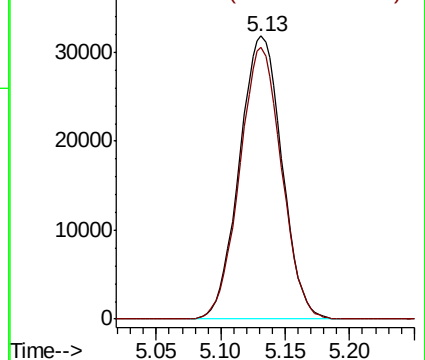
117 100

119 94.6 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.324 ug/L

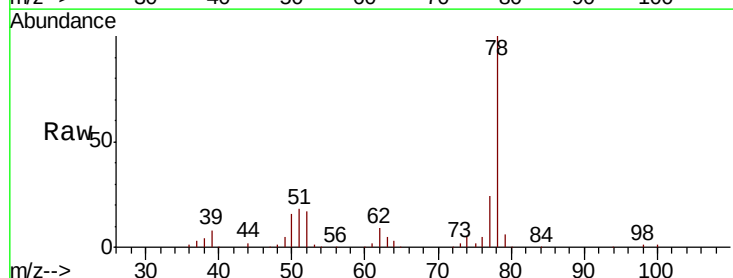
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

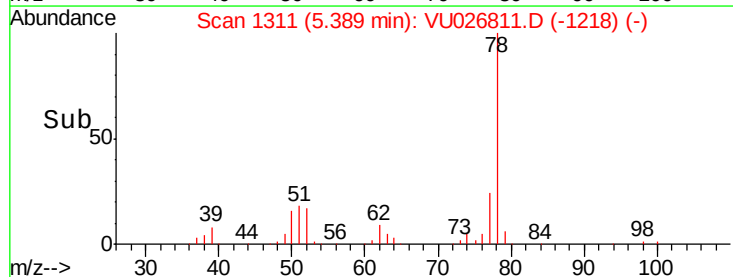
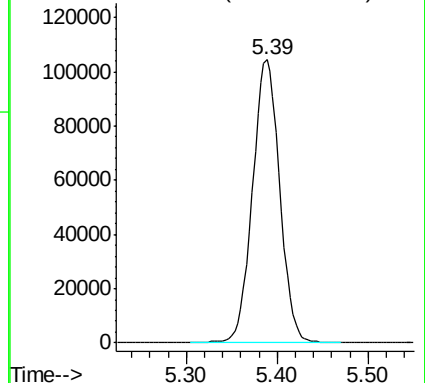
Lab File: VU026811.D

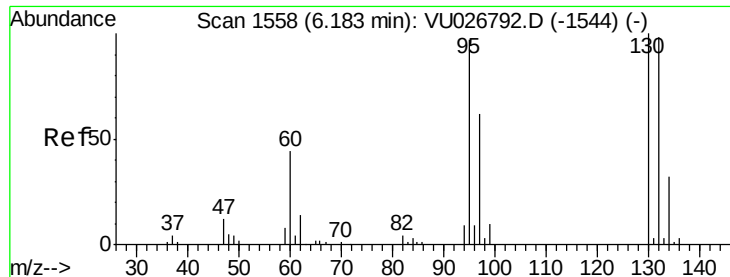
Acq: 16 Sep 2018 06:32

Tgt Ion: 78 Resp: 216679



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.080 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00546

Tgt Ion: 95 Resp: 52716

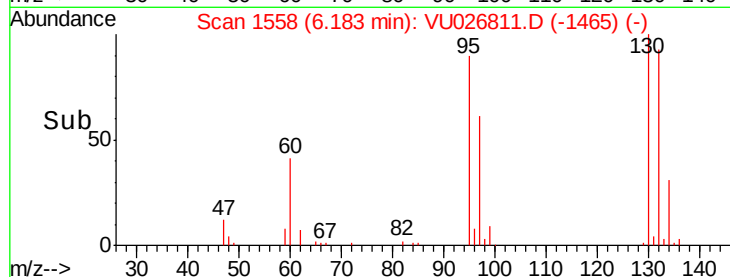
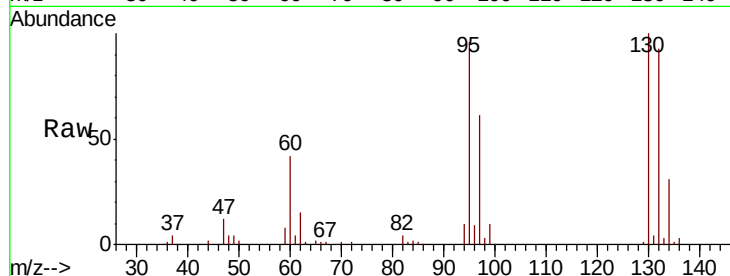
Ion Ratio Lower Upper

95 100

97 63.4 45.1 83.9

132 97.6 72.0 133.8

130 104.6 73.1 135.7

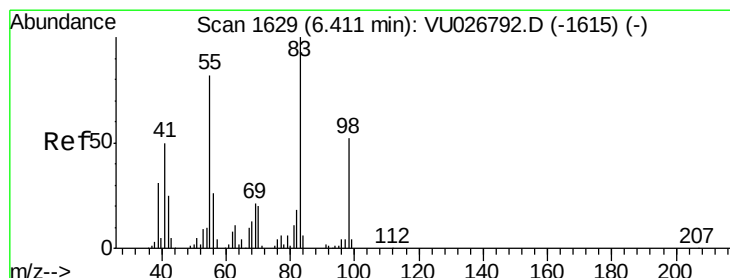
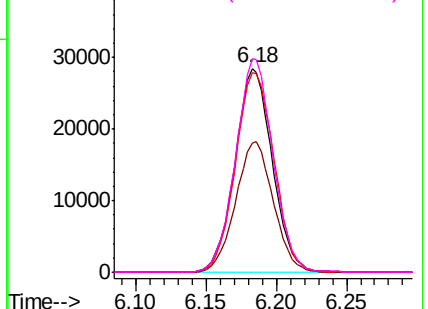


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.230 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

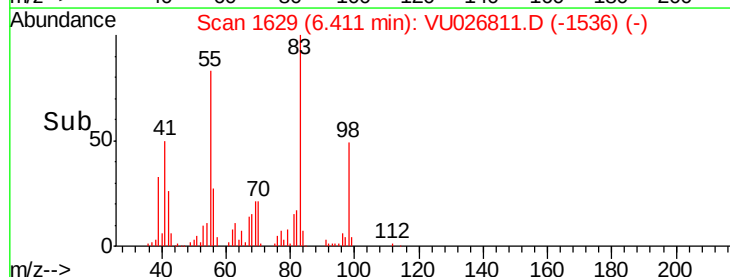
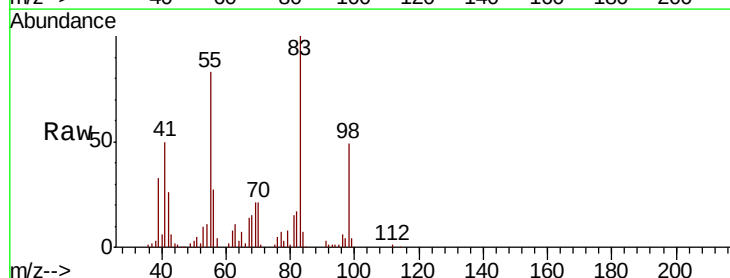
Tgt Ion: 83 Resp: 71340

Ion Ratio Lower Upper

83 100

55 84.1 64.9 97.3

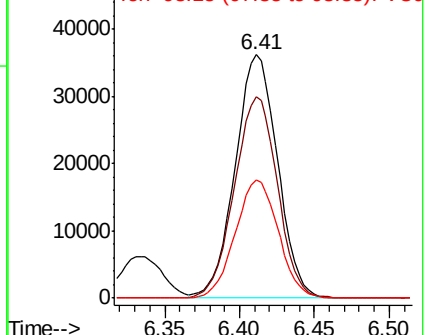
98 49.2 39.3 58.9

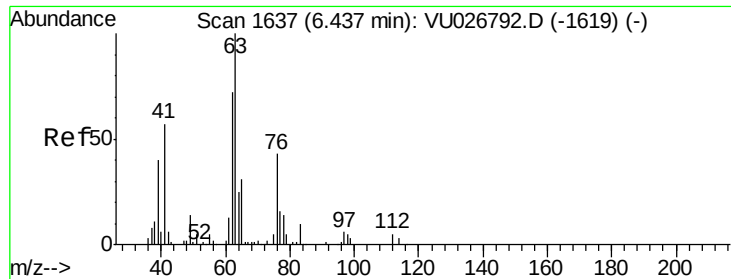


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

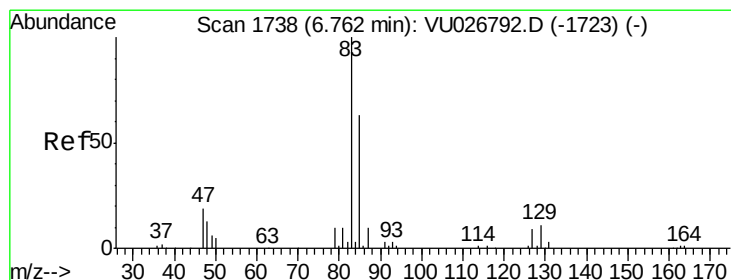
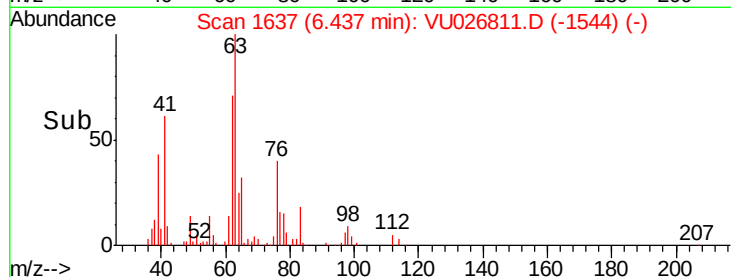
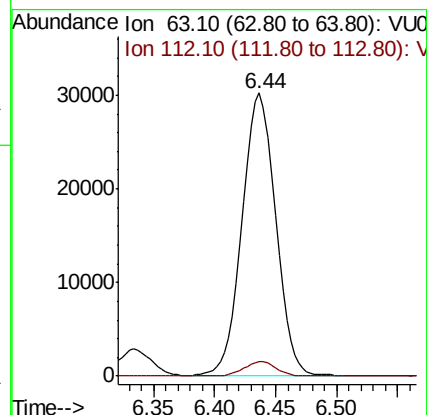
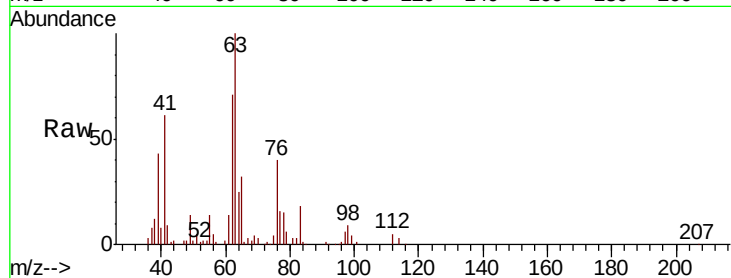




#37
 1,2-Dichloropropane
 Concen: 5.350 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

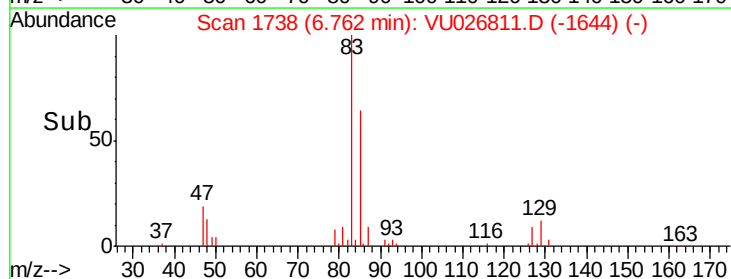
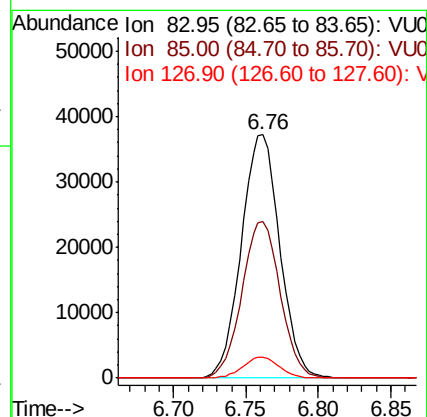
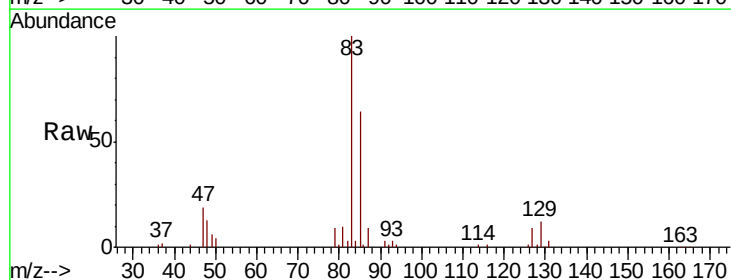
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00546

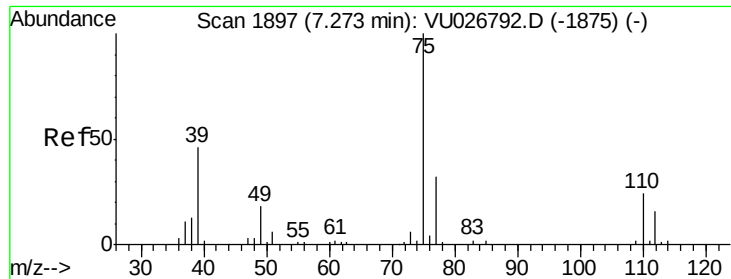
Tgt Ion: 63 Resp: 57850
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.193 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Tgt Ion: 83 Resp: 68596
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.8 85.0
 127 8.5 6.6 10.0

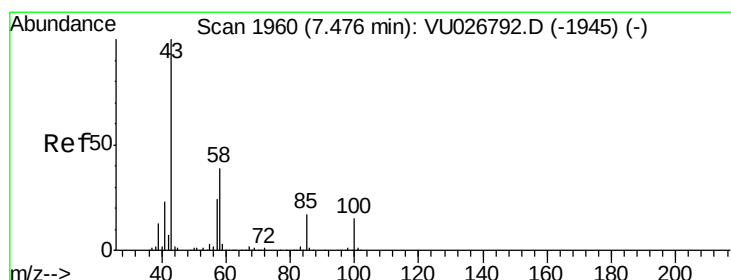
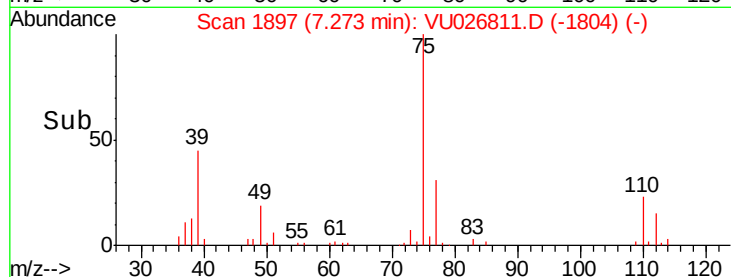
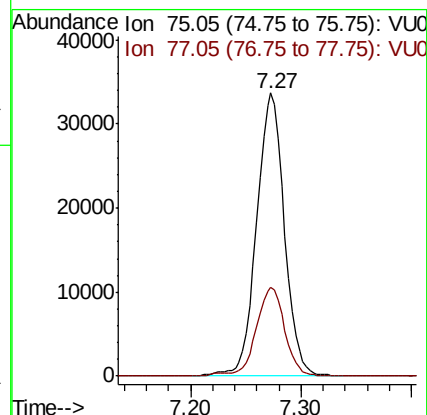
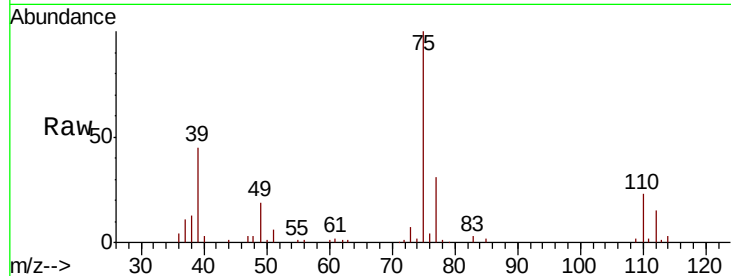




#39
 cis-1,3-Dichloropropene
 Concen: 4.053 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

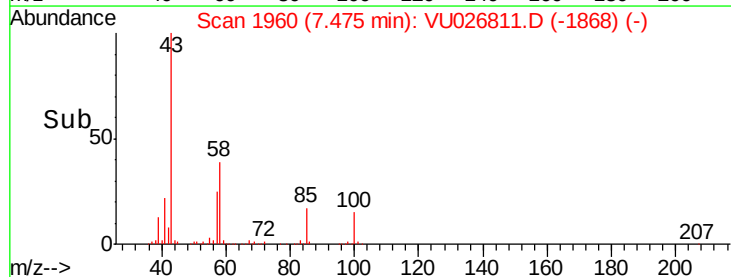
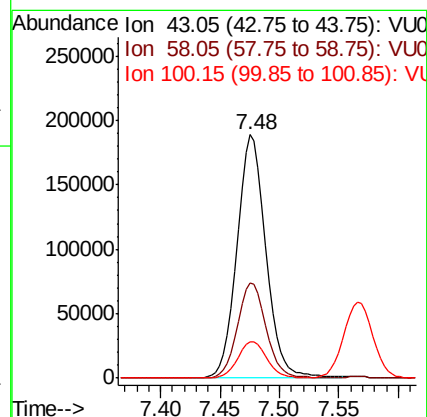
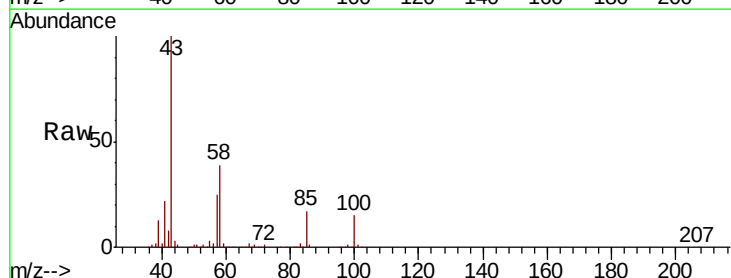
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00546

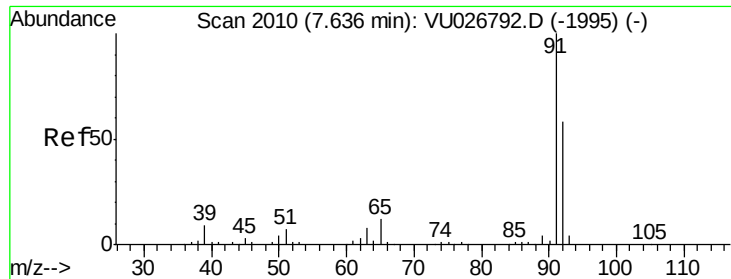
Tgt Ion: 75 Resp: 58790
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 49.981 ug/L
 RT: 7.48 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Tgt Ion: 43 Resp: 318461
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.9 46.3
 100 15.2 12.3 18.5





#42

Toluene

Concen: 5.356 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleID :

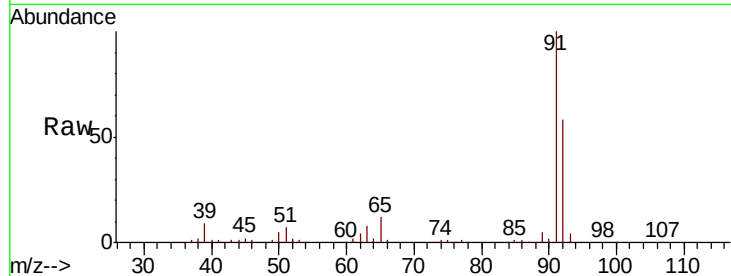
VSTD00546

Tgt Ion: 91 Resp: 220694

Ion Ratio Lower Upper

91 100

92 57.8 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU026792.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU026792.D (-1995) (-)

7.64

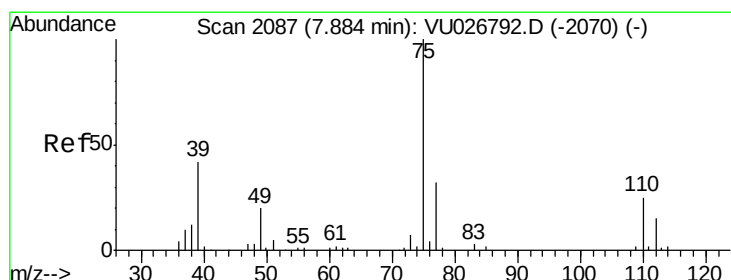
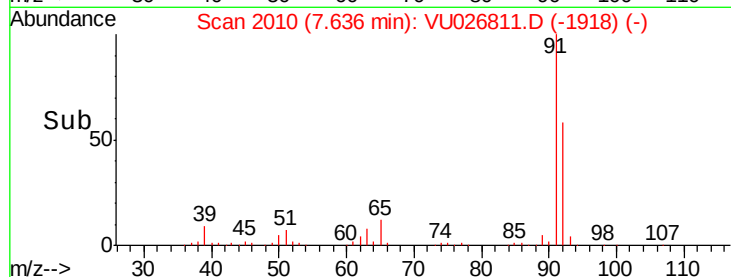
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.348 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026811.D

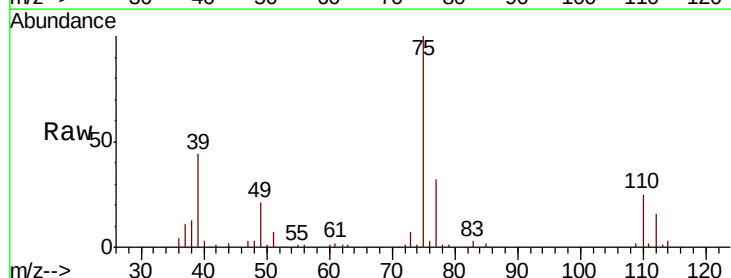
Acq: 16 Sep 2018 06:32

Tgt Ion: 75 Resp: 50499

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU026792.D (-2070) (-)

Ion 77.05 (76.75 to 77.75): VU026792.D (-2070) (-)

7.88

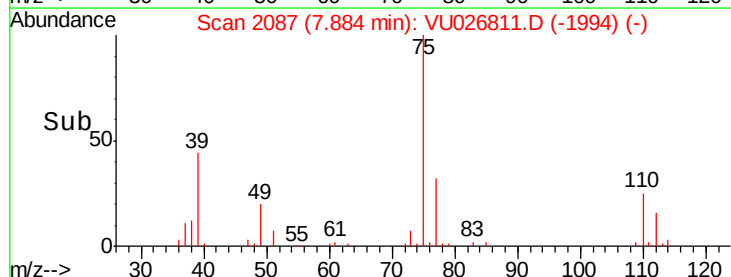
30000

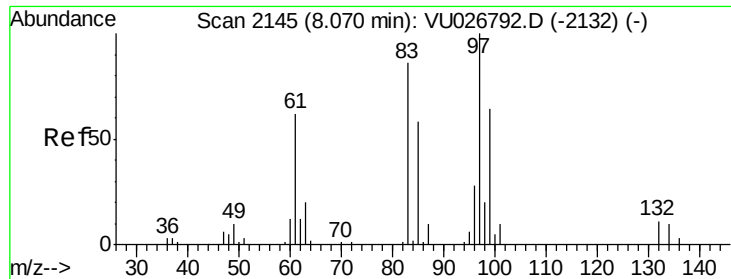
20000

10000

0

Time-->

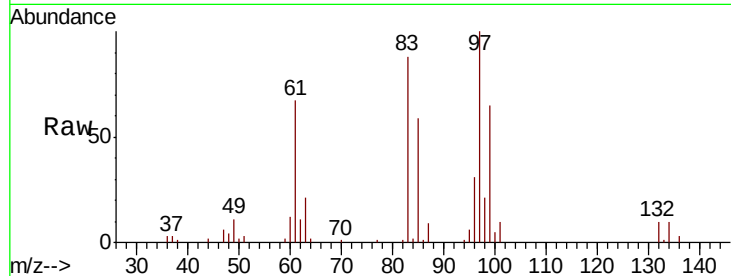




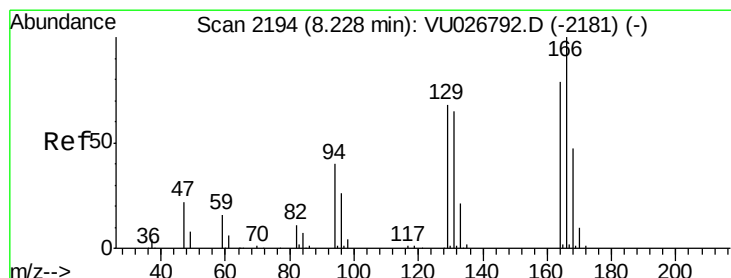
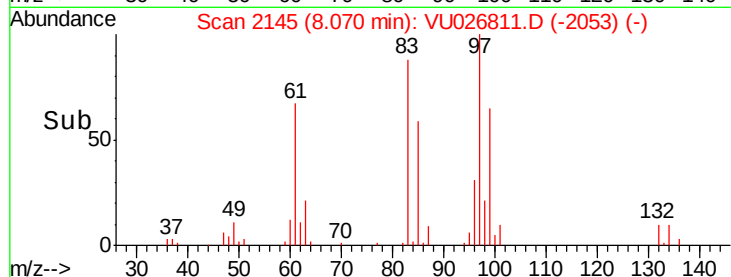
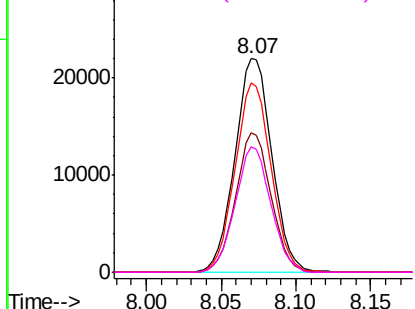
#45
 1,1,2-Trichloroethane
 Concen: 5.210 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00546

Tgt Ion:	97	Resp:	37862
Ion	Ratio	Lower	Upper
97	100		
99	65.3	45.0	83.6
83	88.4	60.8	112.8
85	58.6	38.1	70.9

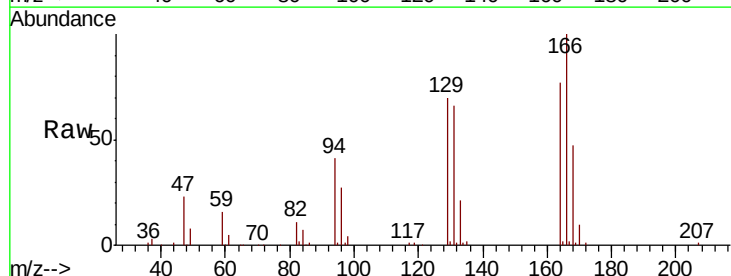


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

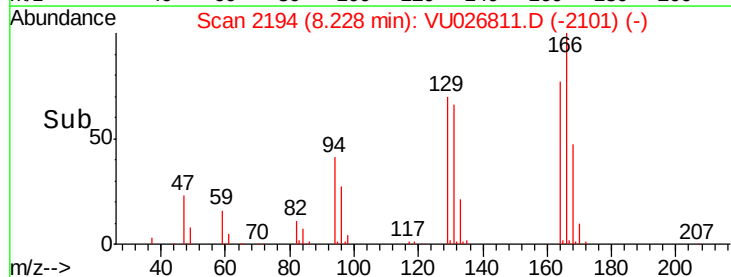
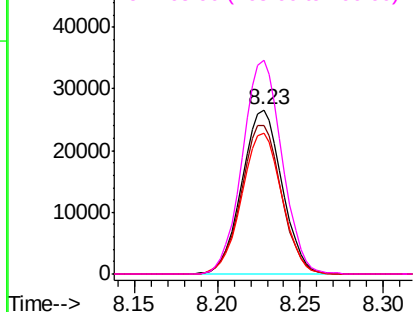


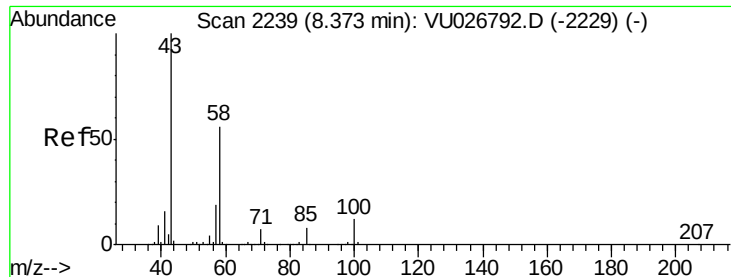
#47
 Tetrachloroethene
 Concen: 4.933 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Tgt Ion:	164	Resp:	44632
Ion	Ratio	Lower	Upper
164	100		
129	90.7	64.8	120.3
131	86.2	61.4	114.0
166	130.1	92.6	172.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

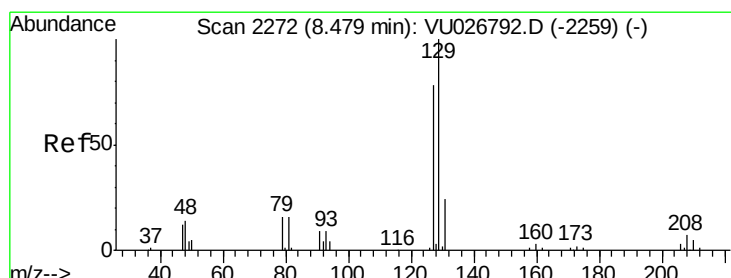
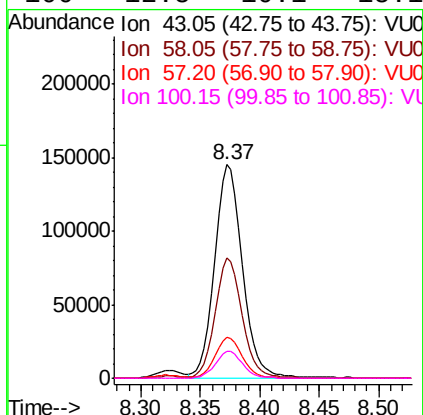
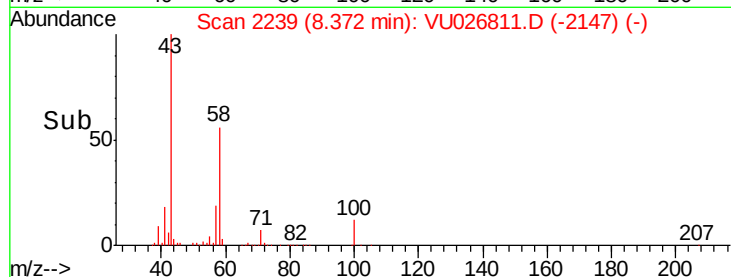
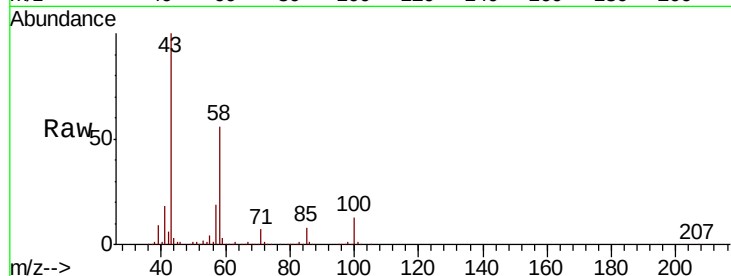




#48
2-Hexanone
Concen: 52.177 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

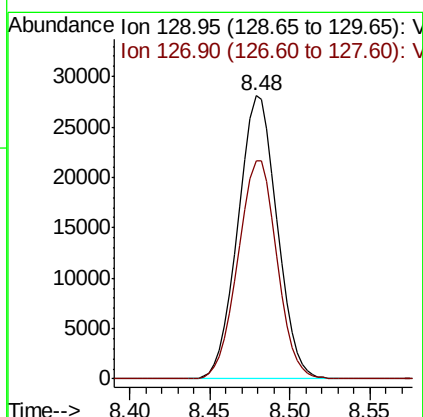
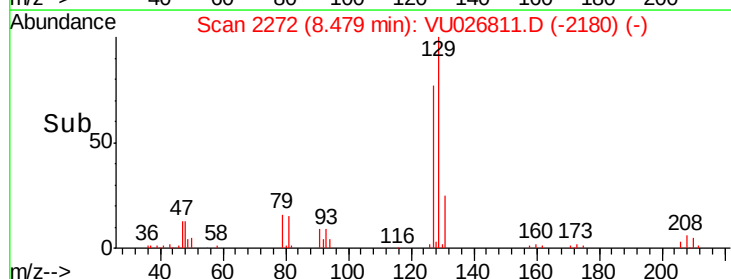
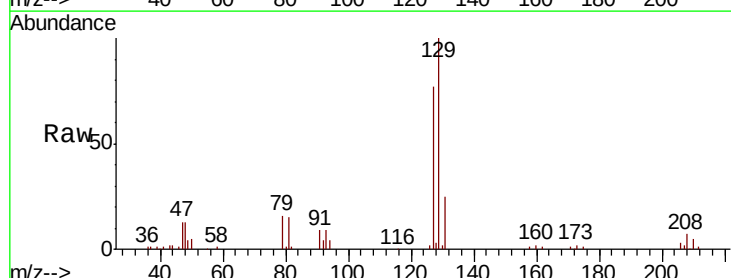
Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

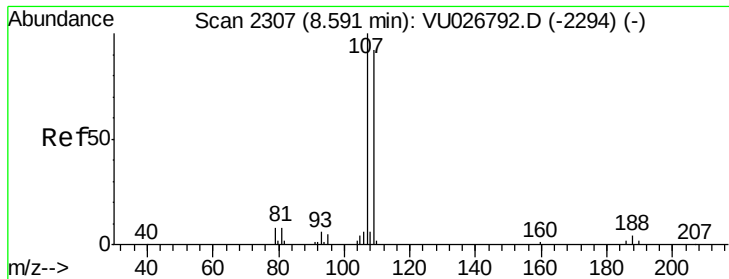
Tgt Ion: 43 Resp: 234950
Ion Ratio Lower Upper
43 100
58 54.8 43.7 65.5
57 19.1 15.2 22.8
100 12.5 10.1 15.1



#49
Dibromochloromethane
Concen: 5.216 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

Tgt Ion: 129 Resp: 46716
Ion Ratio Lower Upper
129 100
127 77.2 55.4 103.0

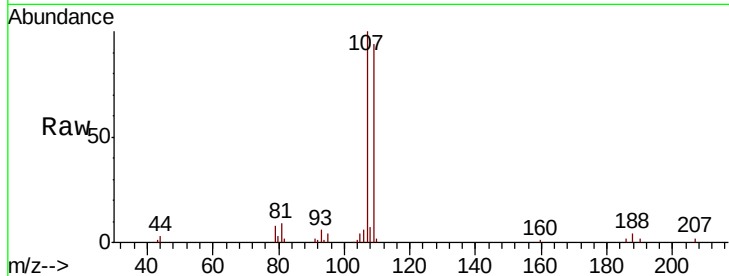




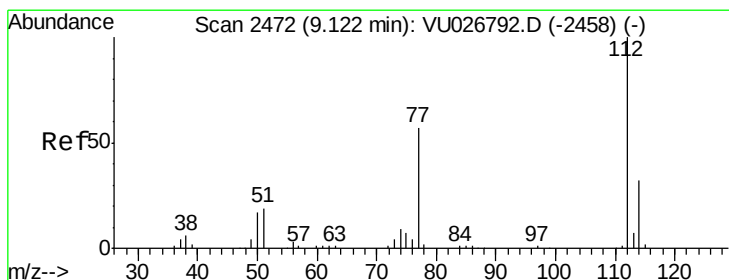
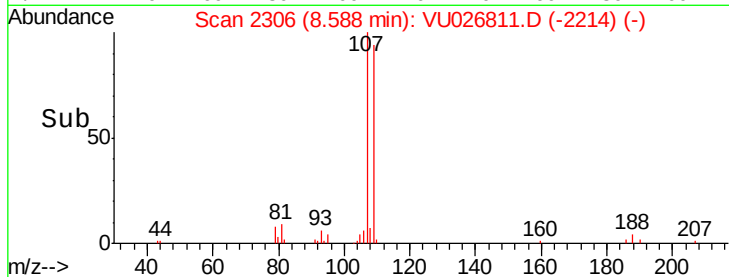
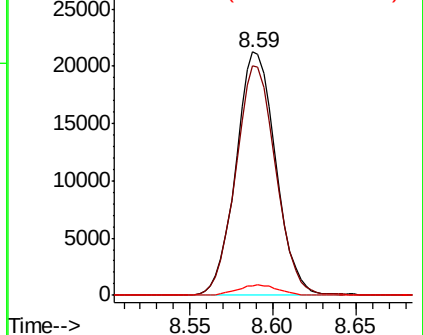
#50
1,2-Dibromoethane
Concen: 5.222 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion:107 Resp: 35485
Ion Ratio Lower Upper
107 100
109 94.4 66.4 123.2
188 4.0 3.1 4.7

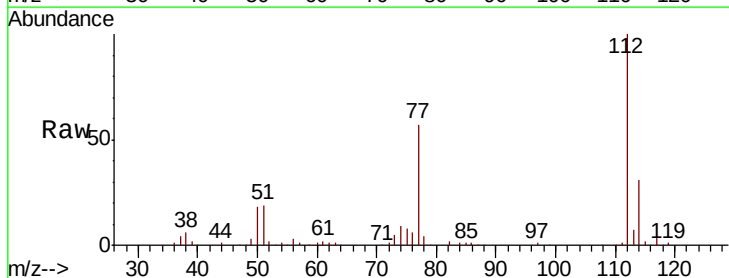


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

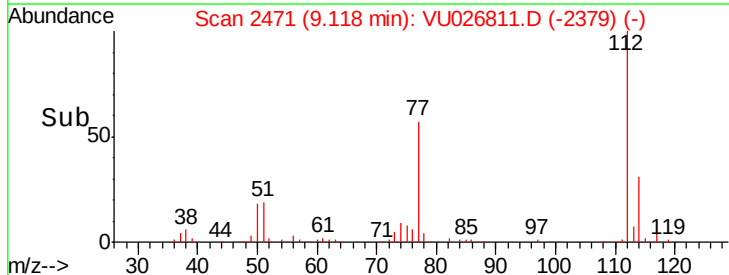
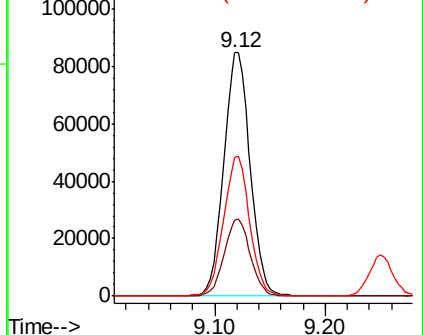


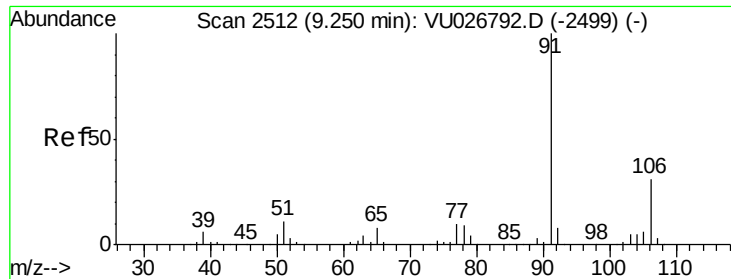
#51
Chlorobenzene
Concen: 5.067 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026811.D
Acq: 16 Sep 2018 06:32

Tgt Ion:112 Resp: 140271
Ion Ratio Lower Upper
112 100
114 31.4 22.6 42.0
77 57.2 45.1 67.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.109 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

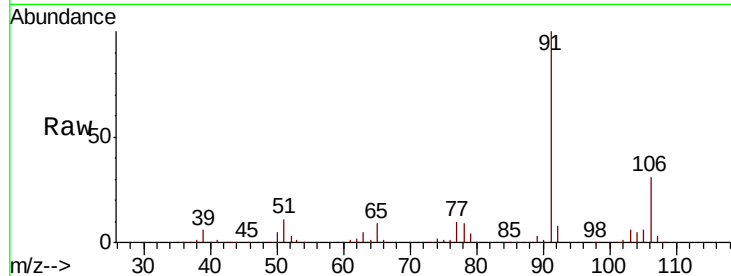
VSTD00546

Tgt Ion: 91 Resp: 210632

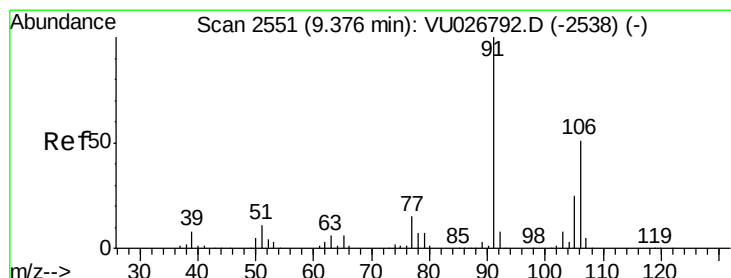
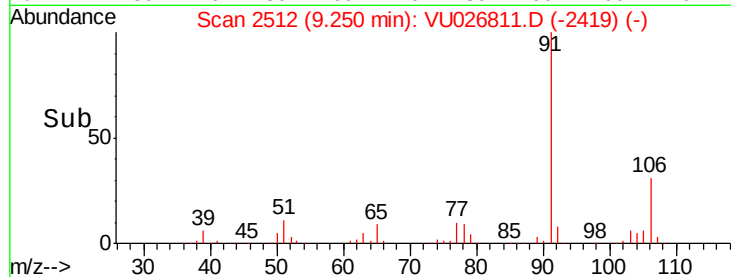
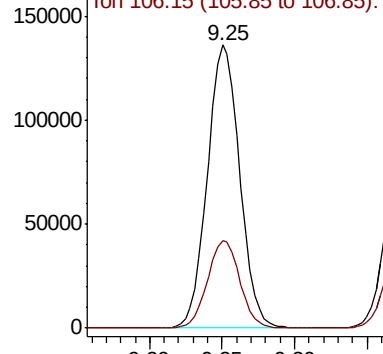
Ion Ratio Lower Upper

91 100

106 31.1 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VU026792.D (-2499) (-)



#53

m,p-xylene

Concen: 5.408 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026811.D

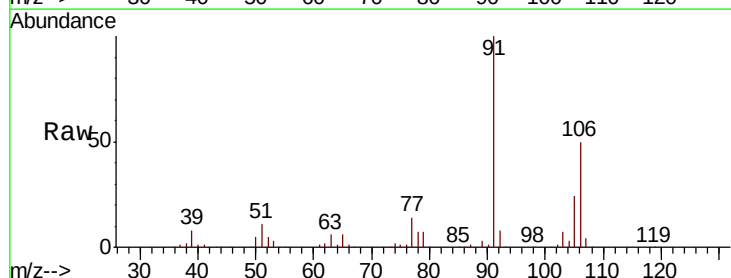
Acq: 16 Sep 2018 06:32

Tgt Ion: 106 Resp: 85405

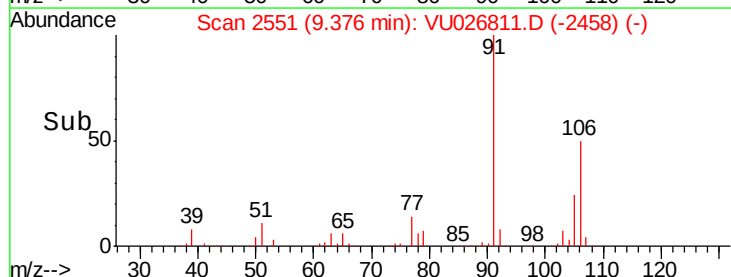
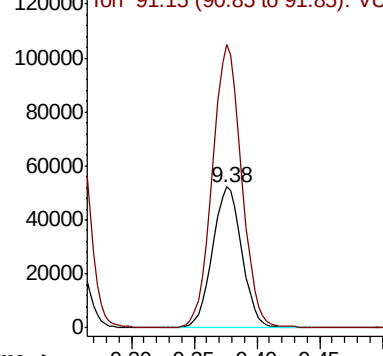
Ion Ratio Lower Upper

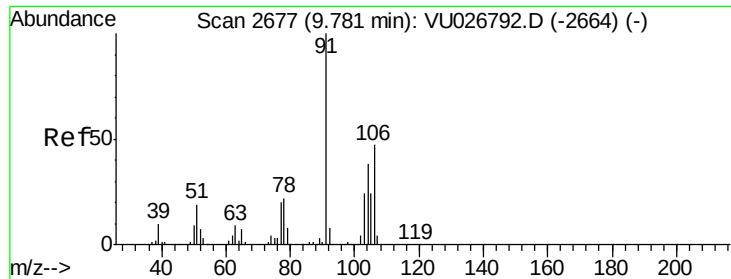
106 100

91 200.5 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026792.D (-2538) (-)





#54

o-xylene

Concen: 5.273 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

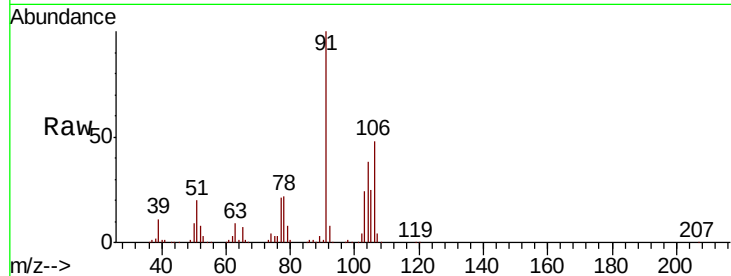
VSTD00546

Tgt Ion:106 Resp: 79663

Ion Ratio Lower Upper

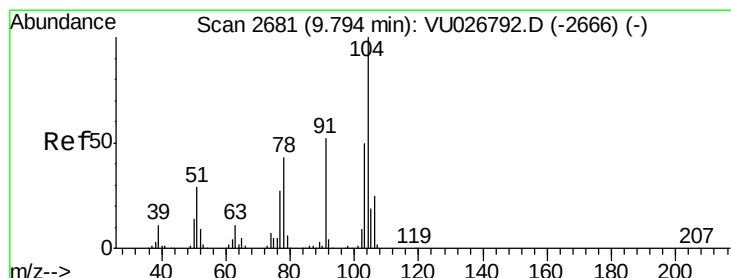
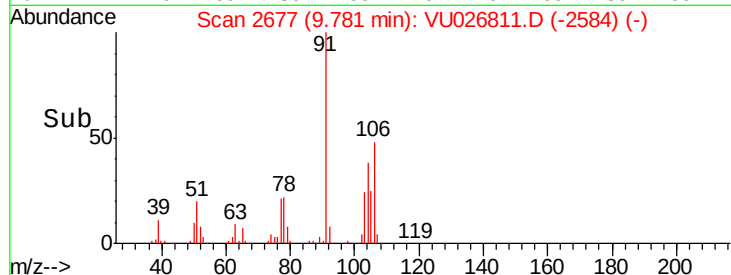
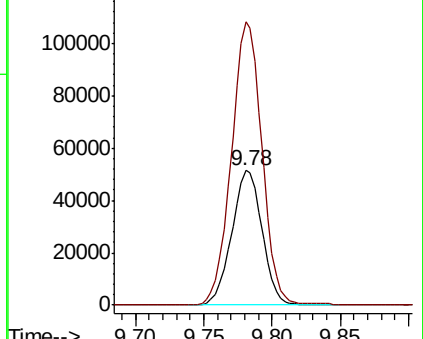
106 100

91 210.5 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.644 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026811.D

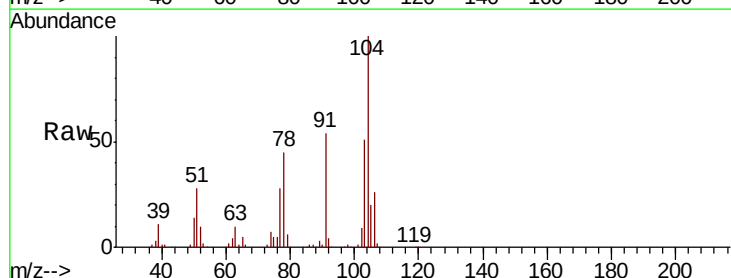
Acq: 16 Sep 2018 06:32

Tgt Ion:104 Resp: 149906

Ion Ratio Lower Upper

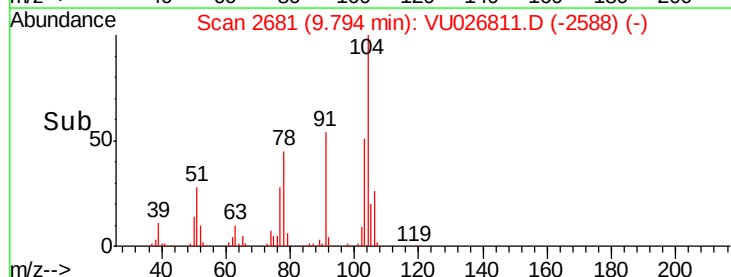
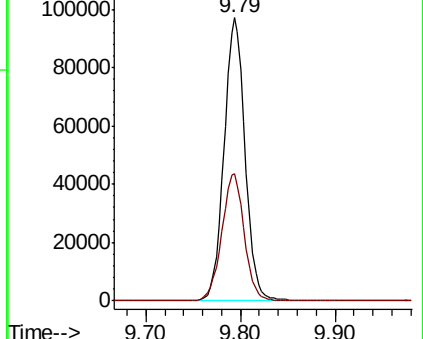
104 100

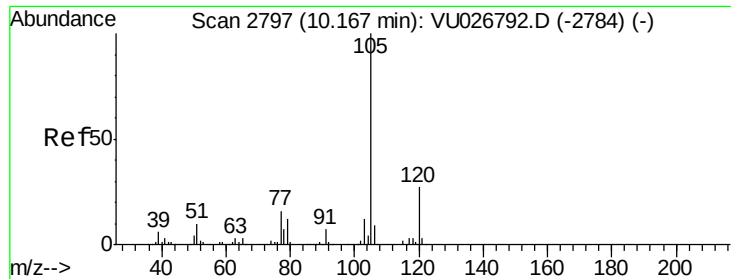
78 44.8 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.240 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00546

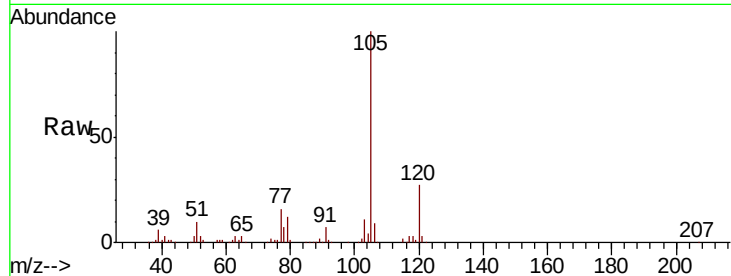
Tgt Ion: 105 Resp: 206558

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

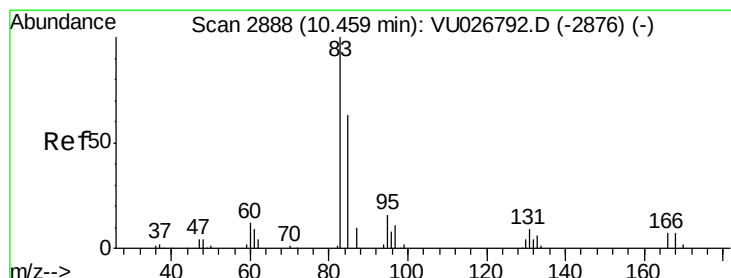
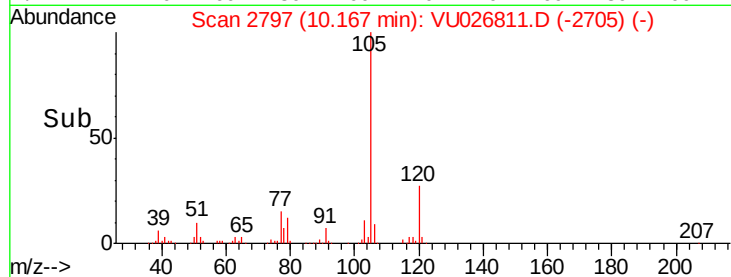
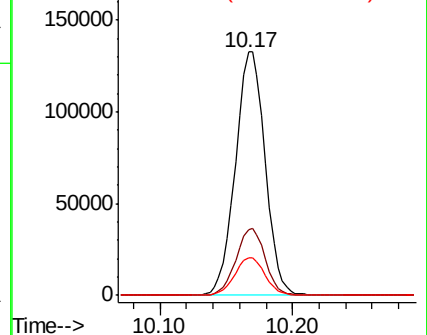
77 15.7 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.231 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

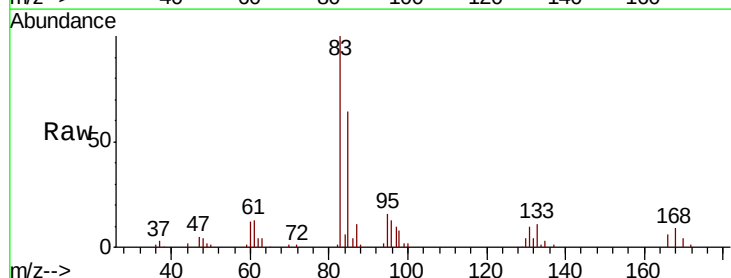
Tgt Ion: 83 Resp: 47570

Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.5

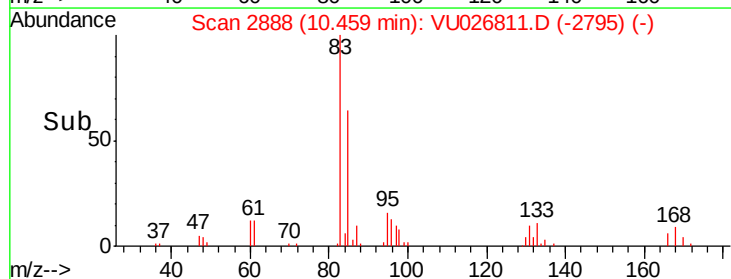
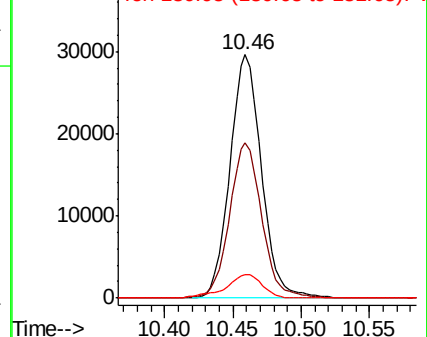
131 9.8 7.2 10.8

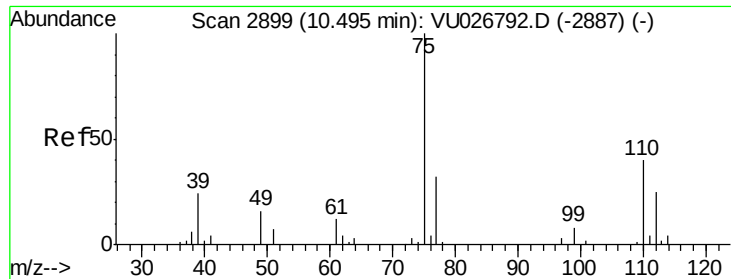


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.324 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

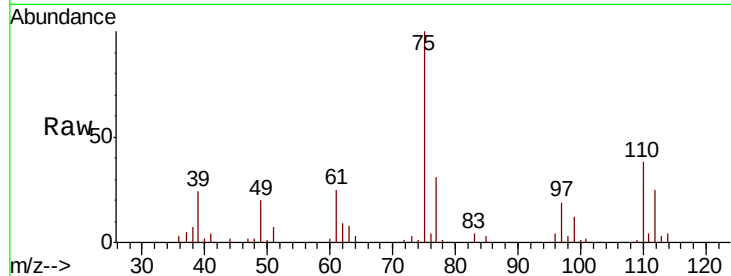
VSTD00546

Tgt Ion: 75 Resp: 33855

Ion Ratio Lower Upper

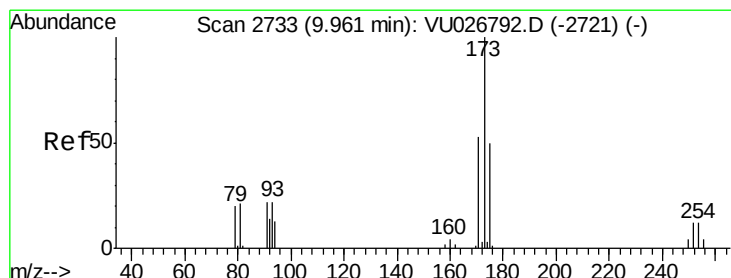
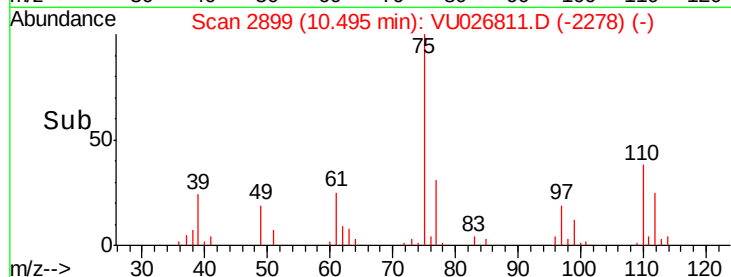
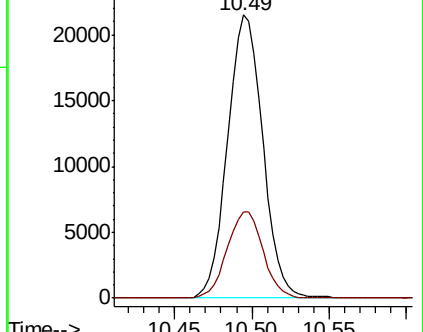
75 100

77 31.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU026792.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026792.D (-2887) (-)



#61

Bromoform

Concen: 5.029 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

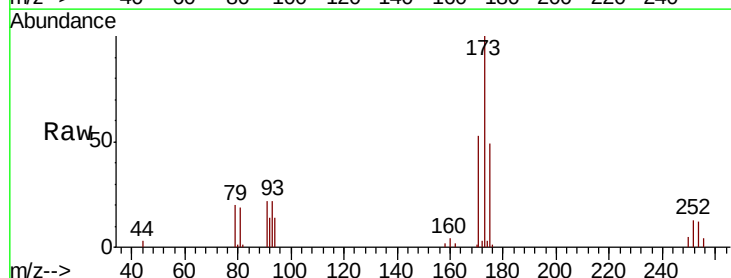
Tgt Ion: 173 Resp: 26170

Ion Ratio Lower Upper

173 100

175 49.5 38.8 58.2

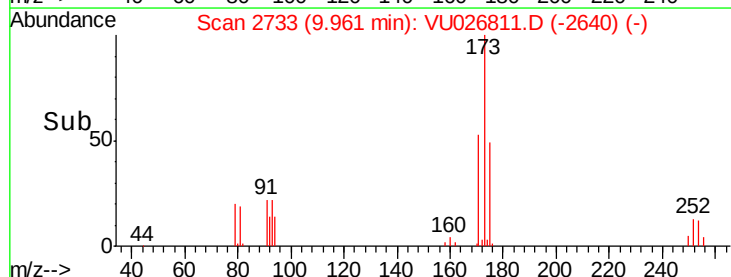
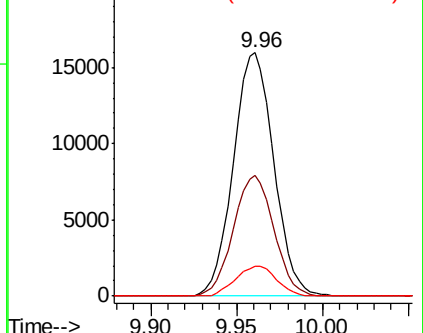
254 12.2 9.1 13.7

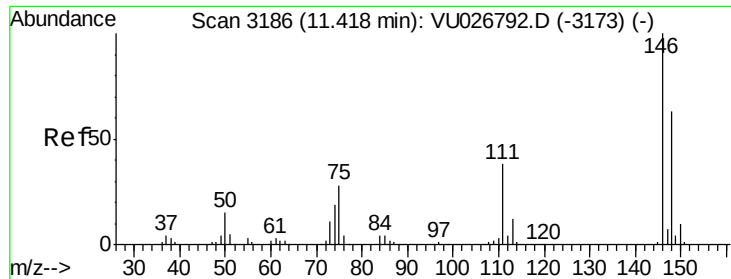


Abundance Ion 172.90 (172.60 to 173.60): VU026792.D (-2721) (-)

Ion 174.90 (174.60 to 175.60): VU026792.D (-2721) (-)

Ion 253.75 (253.45 to 254.45): VU026792.D (-2721) (-)





#62

1,3-Dichlorobenzene

Concen: 5.014 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00546

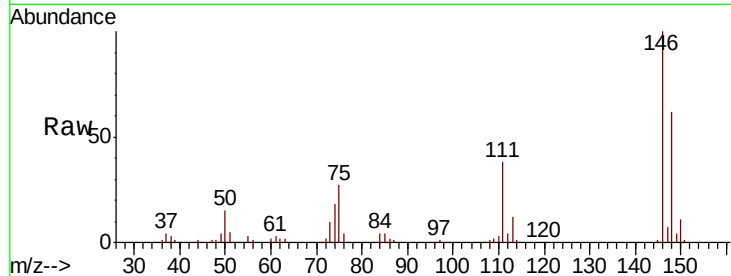
Tgt Ion:146 Resp: 98996

Ion Ratio Lower Upper

146 100

111 37.5 26.2 48.6

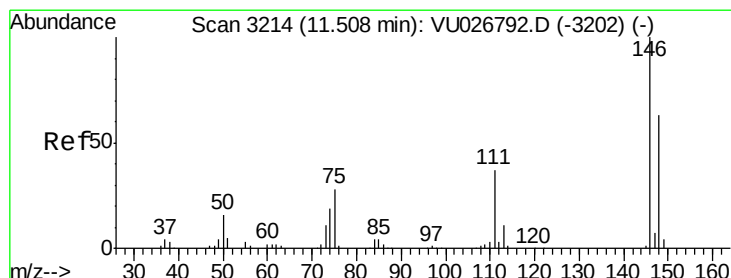
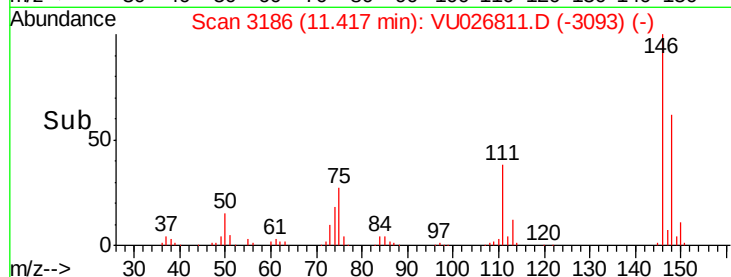
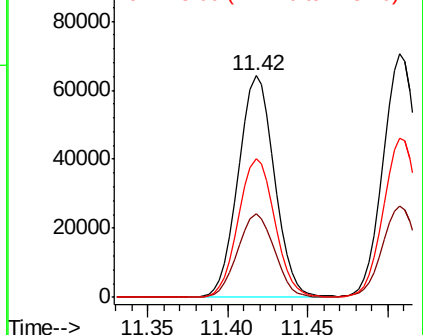
148 62.3 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.907 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

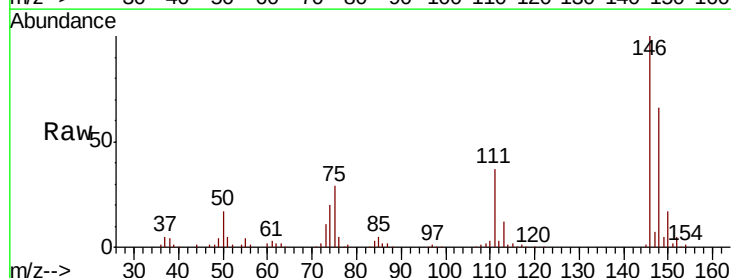
Tgt Ion:146 Resp: 109785

Ion Ratio Lower Upper

146 100

111 37.3 25.3 46.9

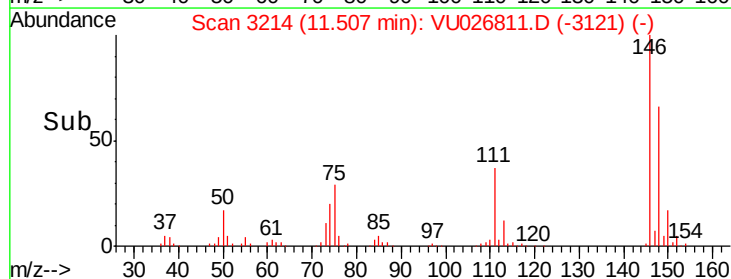
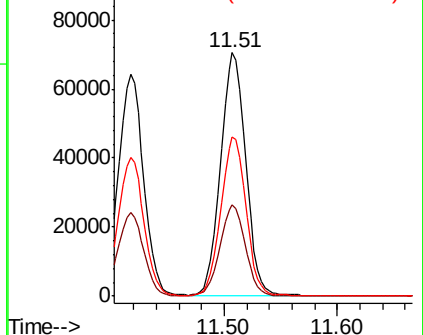
148 65.5 44.5 82.7

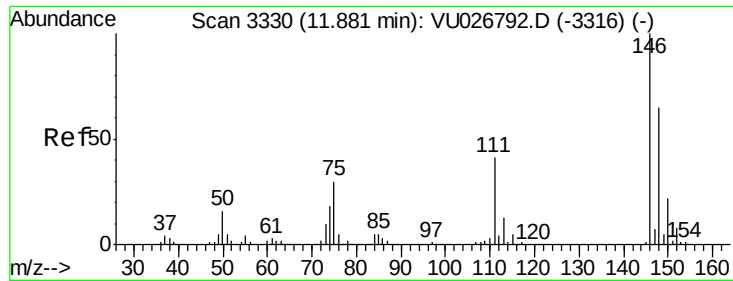


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

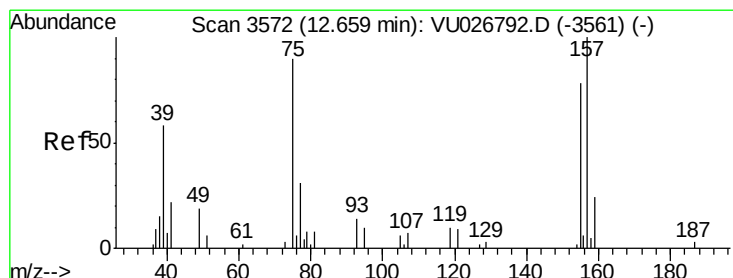
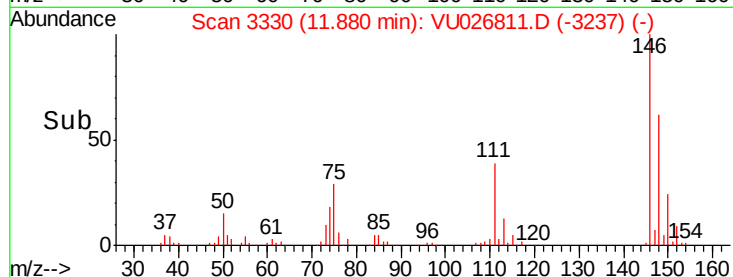
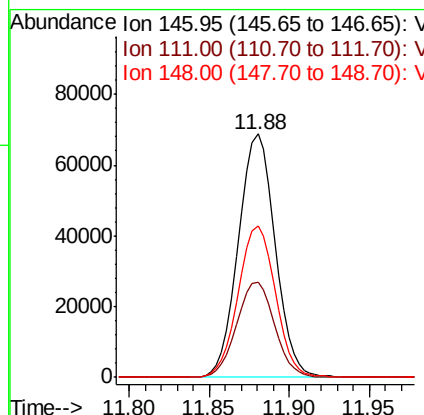
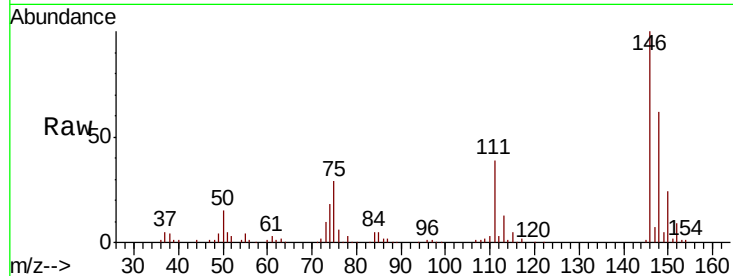




#65
 1,2-Dichlorobenzene
 Concen: 5.213 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

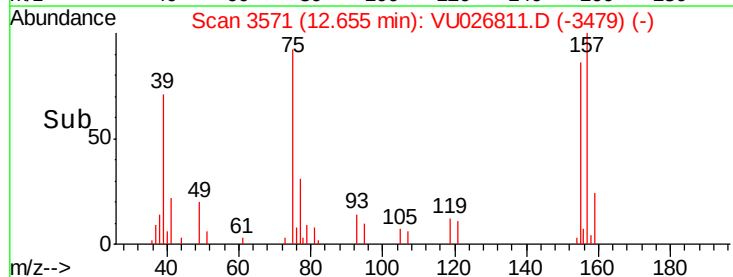
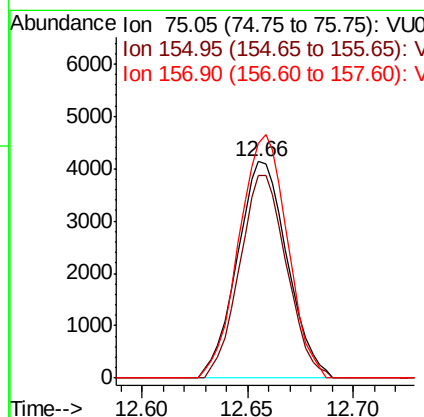
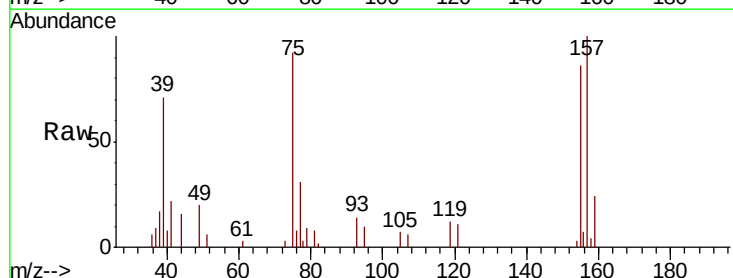
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00546

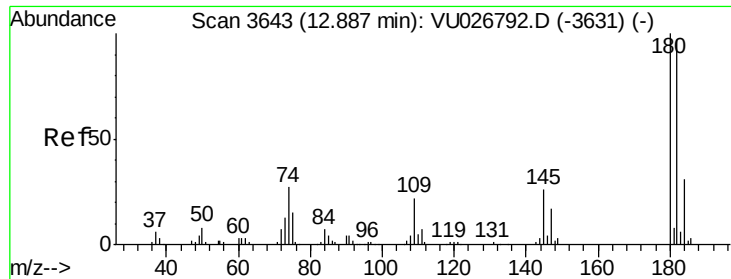
Tgt Ion: 146 Resp: 107549
 Ion Ratio Lower Upper
 146 100
 111 39.0 32.5 48.7
 148 62.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.203 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Tgt Ion: 75 Resp: 6813
 Ion Ratio Lower Upper
 75 100
 155 93.8 76.7 115.1
 157 108.5 95.1 142.7

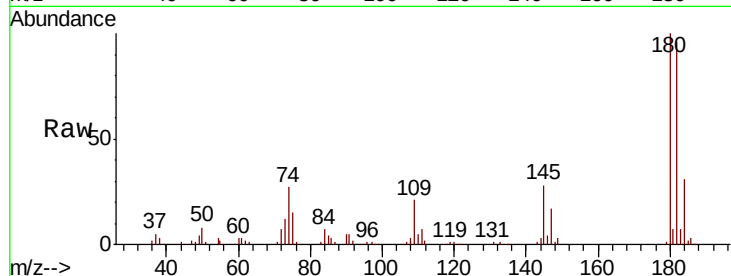




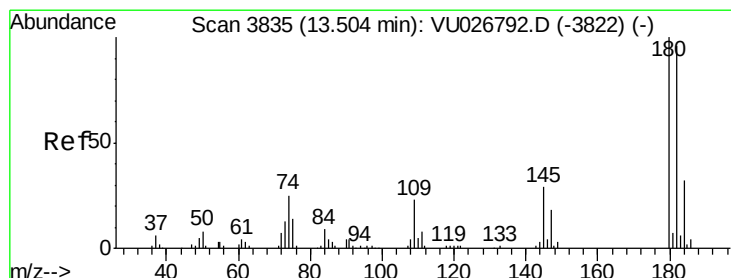
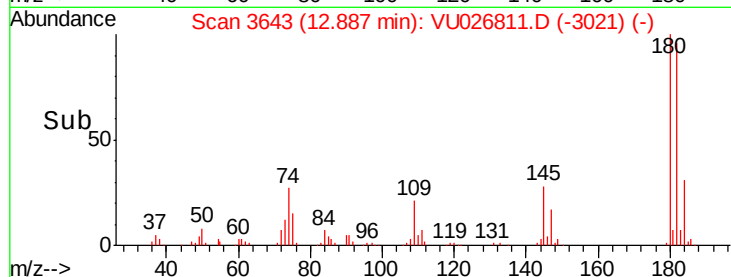
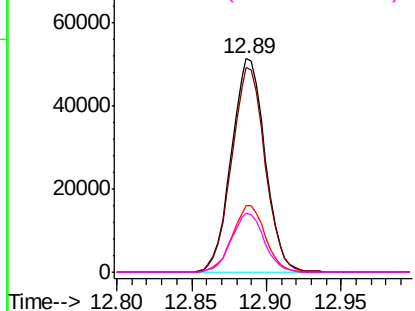
#67
 1,3,5-Trichlorobenzene
 Concen: 4.895 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00546

Tgt Ion:180 Resp: 80677
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.8 115.2
 184 30.5 24.6 36.8
 145 27.0 21.5 32.3

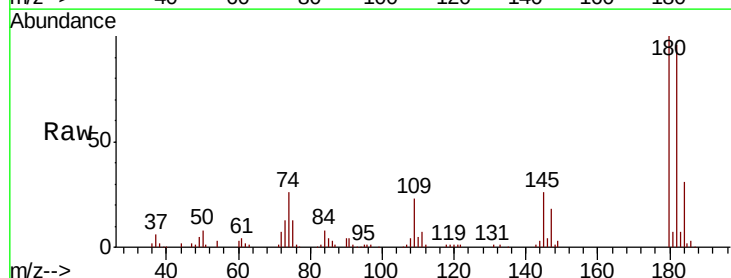


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

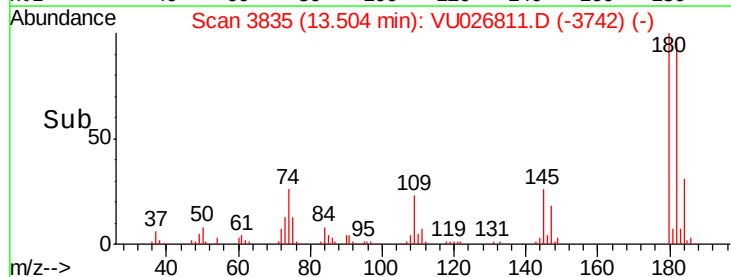
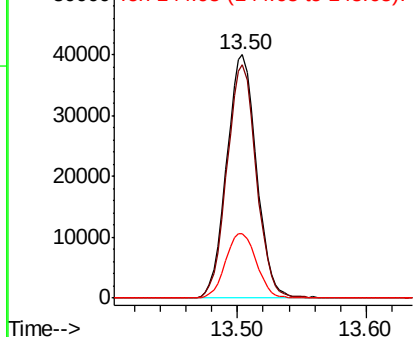


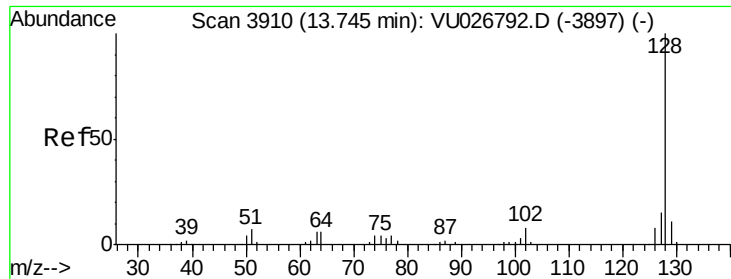
#68
 1,2,4-trichlorobenzene
 Concen: 4.764 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026811.D
 Acq: 16 Sep 2018 06:32

Tgt Ion:180 Resp: 64120
 Ion Ratio Lower Upper
 180 100
 182 94.3 74.7 112.1
 145 27.5 22.3 33.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.698 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00546

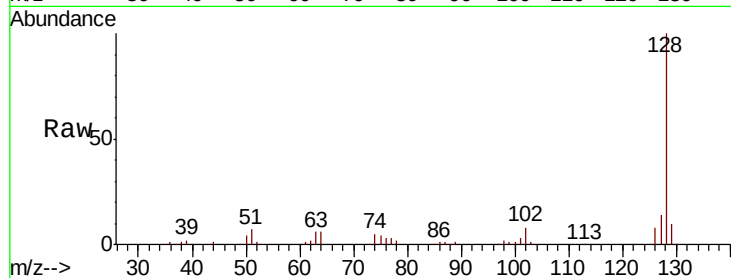
Tgt Ion:128 Resp: 90911

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

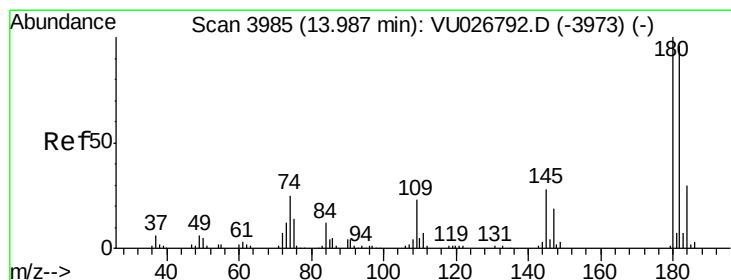
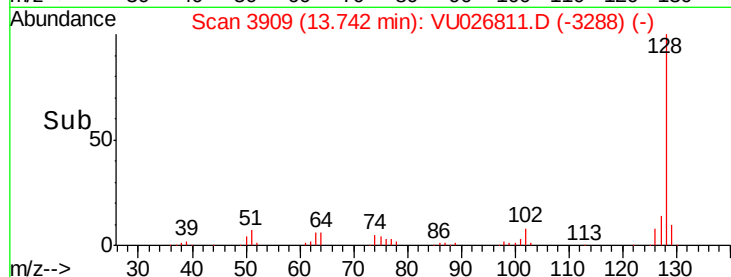
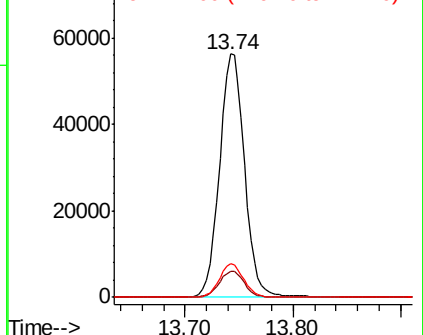
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.272 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026811.D

Acq: 16 Sep 2018 06:32

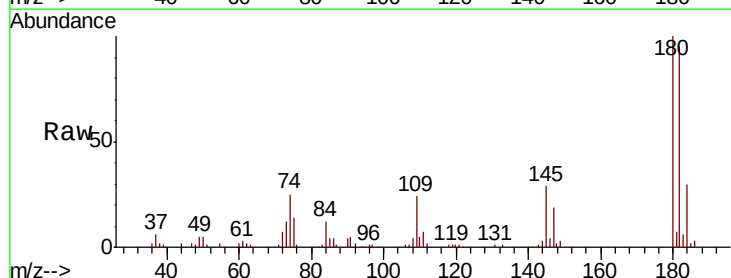
Tgt Ion:180 Resp: 67504

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 29.2 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

