

Data File : VU027818.D
Acq On : 26 Oct 2018 08:20
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Quant Time: Oct 27 01:40:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 26 02:27:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	90538	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	84743	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	43327	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28151	39.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.92%
7) Chloroethane-d5	1.68	69	22472	41.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.86%
11) 1,1-Dichloroethene-d2	2.28	63	56582	44.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.20%
21) 2-Butanone-d5	4.18	46	58572	97.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.57%
24) Chloroform-d	4.65	84	59224	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
26) 1,2-Dichloroethane-d4	5.31	65	43021	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
32) Benzene-d6	5.34	84	106046	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.33	67	38607	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.62%
41) Toluene-d8	7.57	98	98905	44.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.86%
43) trans-1,3-Dichloropropene-	7.85	79	19213	45.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.84%
47) 2-Hexanone-d5	8.31	63	41469	94.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	52062	46.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	38925	43.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	38058	51.724	ug/L 98
3) Chloromethane	1.33	50	39354	45.658	ug/L 98
5) Vinyl chloride	1.40	62	37584	45.969	ug/L 97
6) Bromomethane	1.62	94	16049	38.930	ug/L 95
8) Chloroethane	1.70	64	20928	47.425	ug/L 98
9) Trichlorofluoromethane	1.89	101	52014	52.800	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	26152	48.480	ug/L 98
12) 1,1-Dichloroethene	2.29	96	23577	46.734	ug/L 92
13) Acetone	2.32	43	48240	115.361	ug/L 96
14) Carbon disulfide	2.48	76	78871	44.899	ug/L 99
15) Methyl Acetate	2.62	43	41447	47.098	ug/L 99
16) Methylene chloride	2.70	84	29246	46.930	ug/L 92
17) trans-1,2-Dichloroethene	2.98	96	26140	46.840	ug/L 89
18) Methyl tert-butyl Ether	3.00	73	101376	48.601	ug/L 99
19) 1,1-Dichloroethane	3.45	63	60564	50.011	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	30364	45.992	ug/L 91
22) 2-Butanone	4.26	43	66216	106.420	ug/L 96

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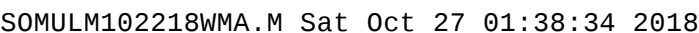
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

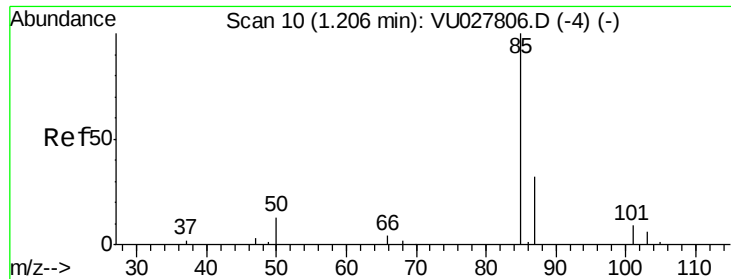
Quant Time: Oct 27 01:40:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 26 02:27:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	14689	47.649	ug/L	92
25) Chloroform	4.67	83	60588	51.554	ug/L	98
27) 1,2-Dichloroethane	5.40	62	54113	53.056	ug/L	97
29) Cyclohexane	5.00	56	58867	48.463	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	53386	51.973	ug/L	98
31) Carbon tetrachloride	5.14	117	46275	50.062	ug/L	97
33) Benzene	5.39	78	124349	49.325	ug/L	100
34) Trichloroethene	6.19	95	31785	50.363	ug/L	99
35) Methylcyclohexane	6.42	83	52754	48.332	ug/L	99
37) 1,2-Dichloropropane	6.43	63	36619	49.162	ug/L #	94
38) Bromodichloromethane	6.76	83	47179	50.970	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	57683	50.294	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	117812	98.411	ug/L	98
42) Toluene	7.64	91	131313	49.737	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	54718	50.435	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	30485	49.548	ug/L	98
46) Tetrachloroethene	8.23	164	24579	50.429	ug/L	96
48) 2-Hexanone	8.36	43	95472	102.836	ug/L	99
49) Dibromochloromethane	8.48	129	34818	47.758	ug/L	100
50) 1,2-Dibromoethane	8.59	107	33286	50.688	ug/L	95
51) Chlorobenzene	9.12	112	79500	49.116	ug/L	96
52) Ethylbenzene	9.25	91	150892	50.525	ug/L	100
53) m,p-Xylene	9.38	106	54664	50.668	ug/L	99
54) o-xylene	9.78	106	53794	50.021	ug/L	99
55) Styrene	9.79	104	92146	50.339	ug/L	100
56) Isopropylbenzene	10.17	105	145003	50.913	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	54982	50.253	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	44574	50.635	ug/L	98
61) Bromoform	9.96	173	26485	45.856	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	63070	48.546	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	64570	48.742	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	65737	49.195	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	12672	45.511	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	50220	49.980	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	45095	50.553	ug/L	98
69) Naphthalene	13.74	128	140657	48.821	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	45995	49.336	ug/L	99

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

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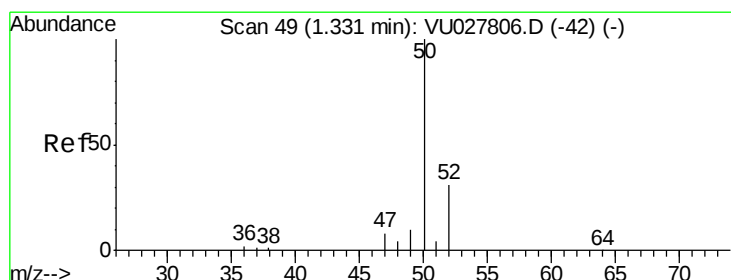
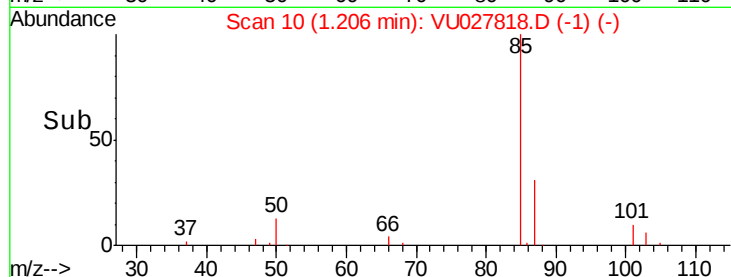
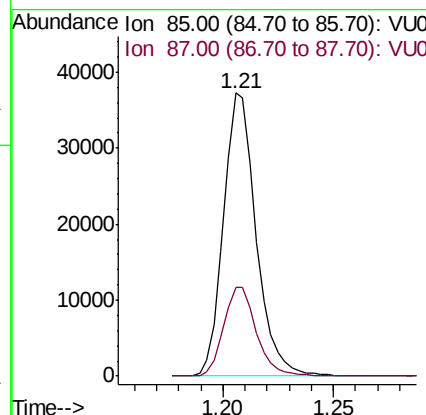
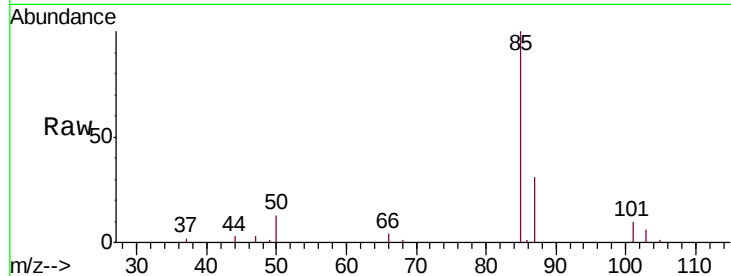




#2
 Dichlorodifluoromethane
 Concen: 51.724 ug/L
 RT: 1.21 min Scan# 10
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

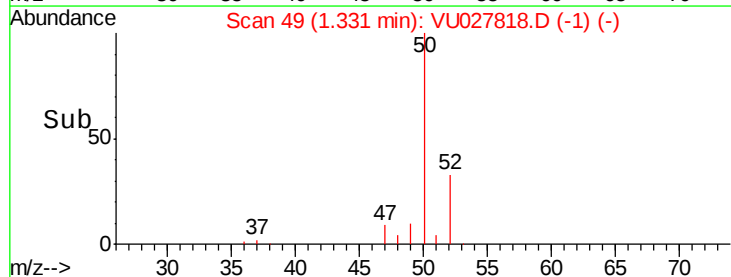
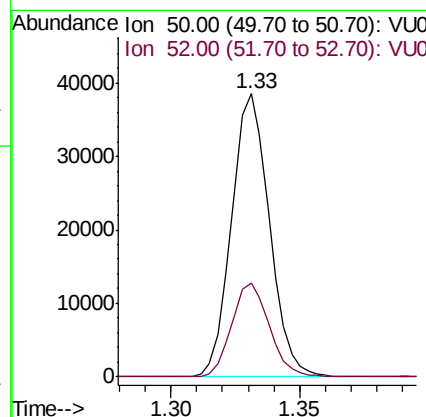
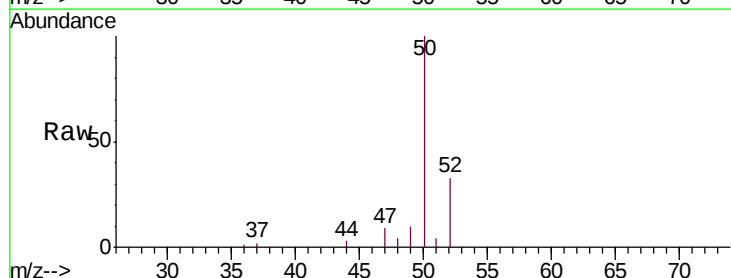
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

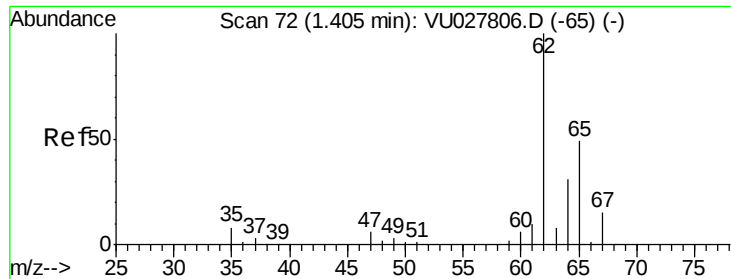
Tgt Ion: 85 Resp: 38058
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.0 39.0



#3
 Chloromethane
 Concen: 45.658 ug/L
 RT: 1.33 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

Tgt Ion: 50 Resp: 39354
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.3 41.5





#5

Vinyl chloride

Concen: 45.969 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

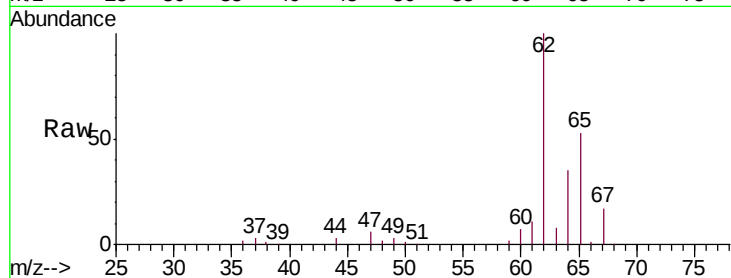
VSTD05033

Tgt Ion: 62 Resp: 37584

Ion Ratio Lower Upper

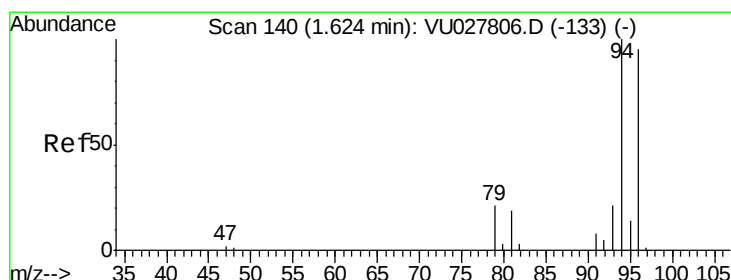
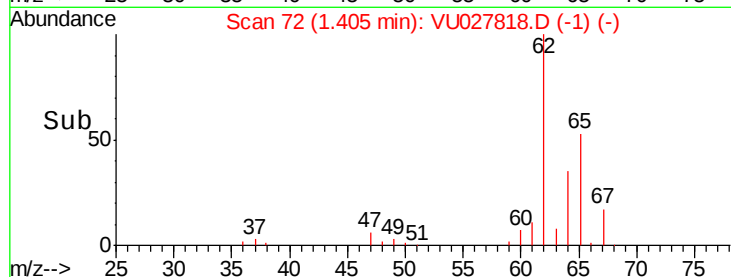
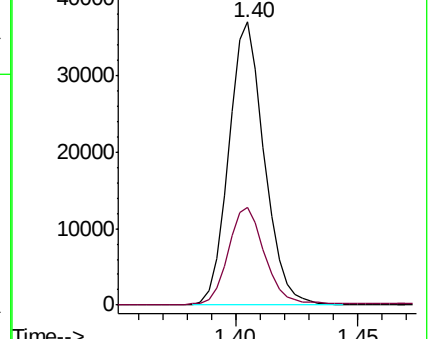
62 100

64 34.6 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: 38.930 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU027818.D

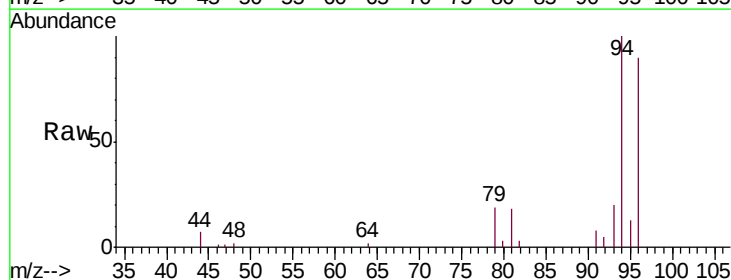
Acq: 26 Oct 2018 08:20

Tgt Ion: 94 Resp: 16049

Ion Ratio Lower Upper

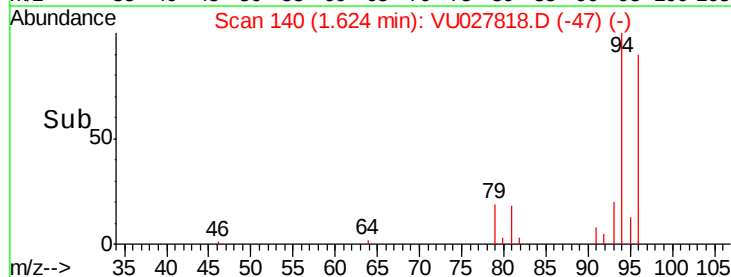
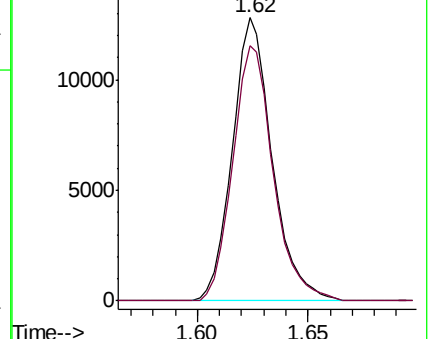
94 100

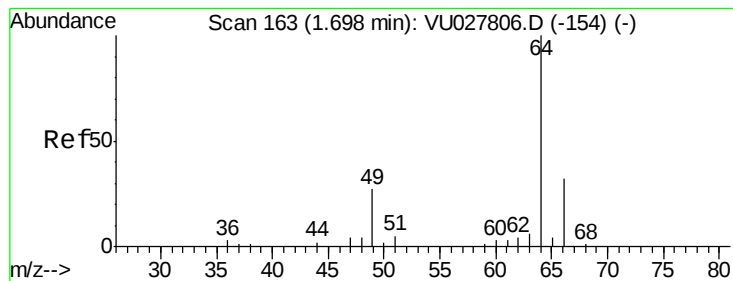
96 90.0 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 47.425 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

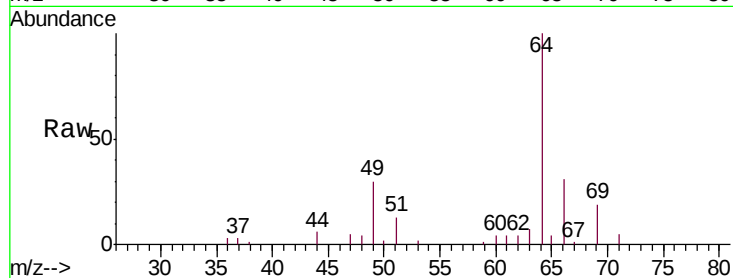
VSTD05033

Tgt Ion: 64 Resp: 20928

Ion Ratio Lower Upper

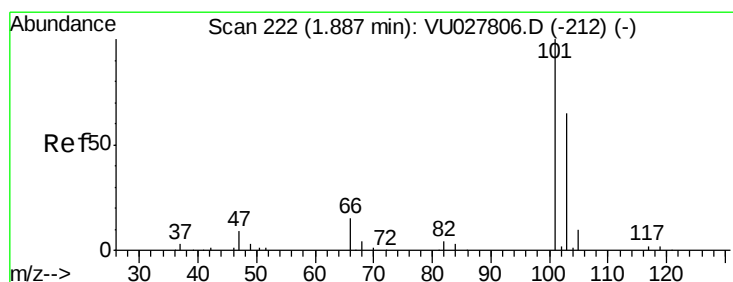
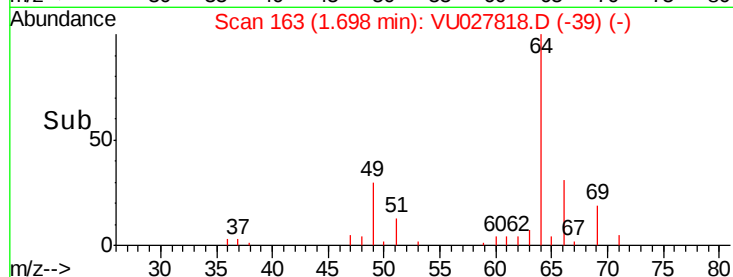
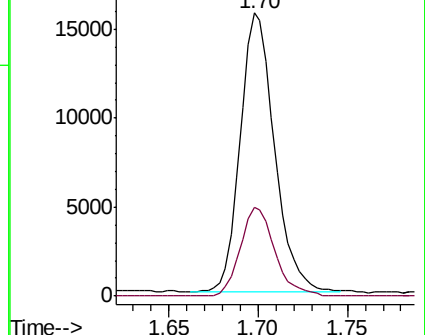
64 100

66 31.2 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU027806.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU027806.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 52.800 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027818.D

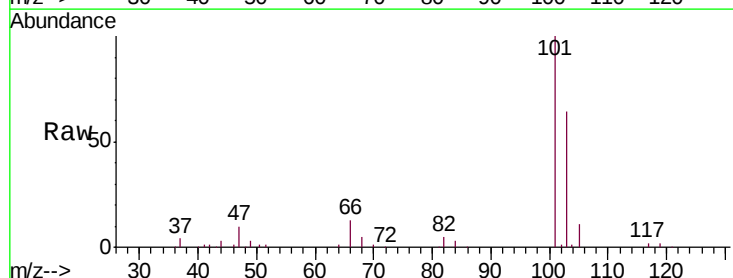
Acq: 26 Oct 2018 08:20

Tgt Ion: 101 Resp: 52014

Ion Ratio Lower Upper

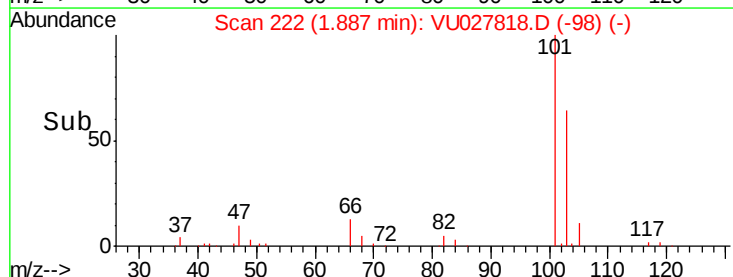
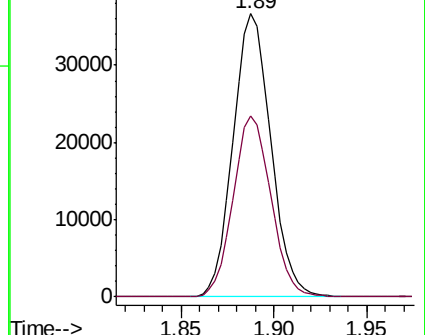
101 100

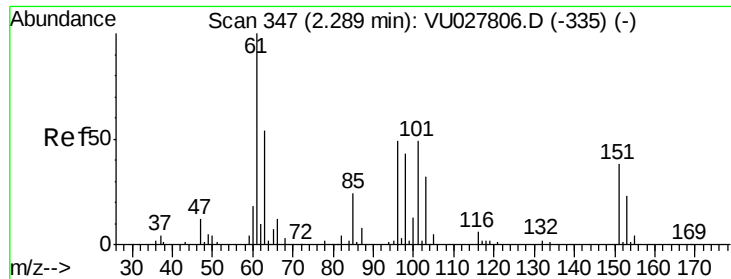
103 63.8 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027806.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027806.D (-212) (-)





#10

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

Concen: 48.480 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

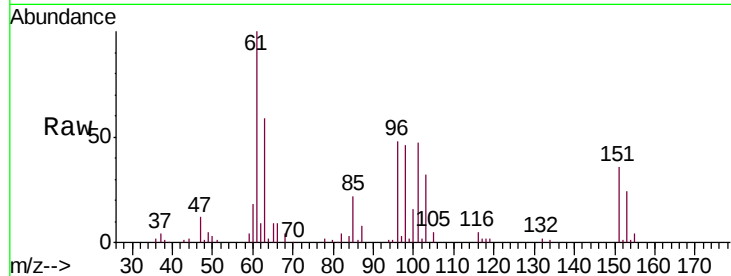
Tgt Ion:101 Resp: 26152

Ion Ratio Lower Upper

101 100

85 46.7 36.7 55.1

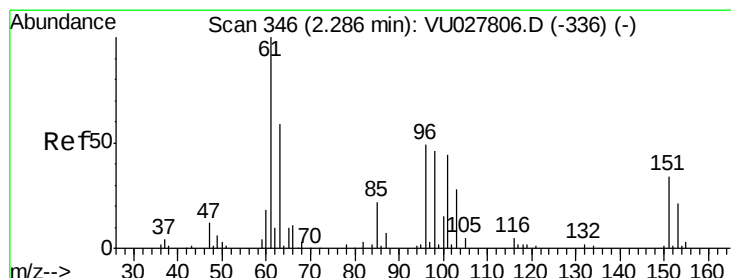
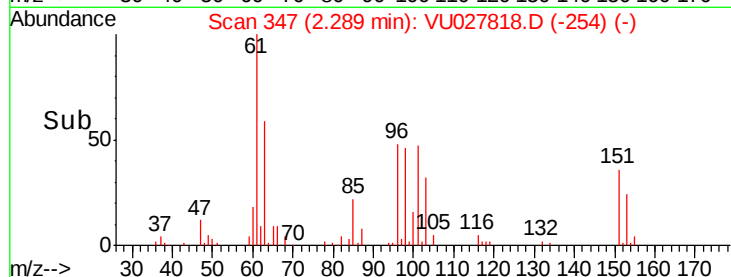
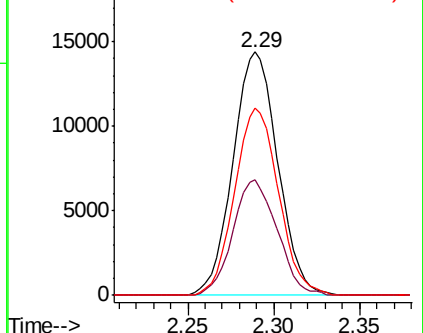
151 75.2 62.0 93.0



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: 46.734 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

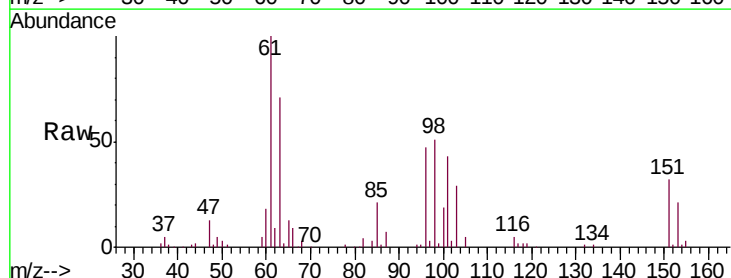
Tgt Ion: 96 Resp: 23577

Ion Ratio Lower Upper

96 100

61 210.9 137.3 255.1

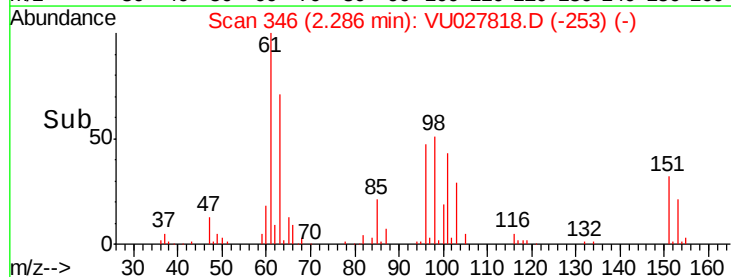
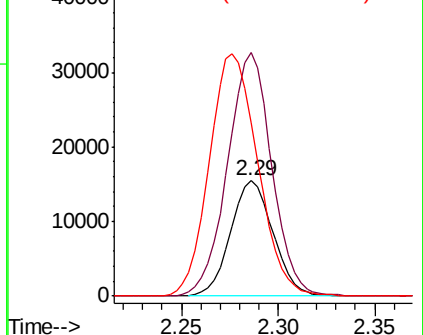
63 149.7 109.8 204.0

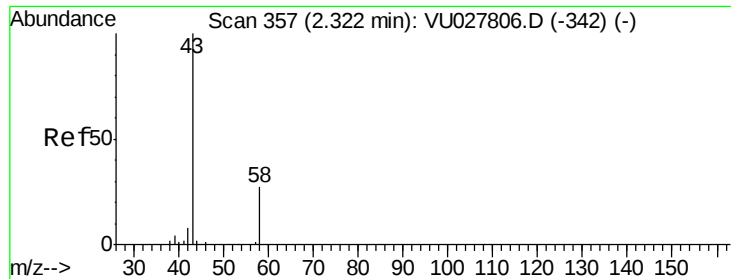


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 115.361 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

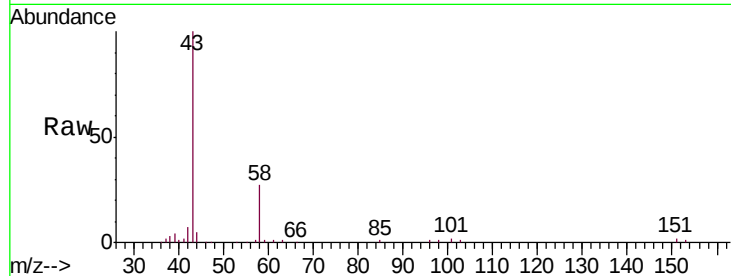
VSTD05033

Tgt Ion: 43 Resp: 48240

Ion Ratio Lower Upper

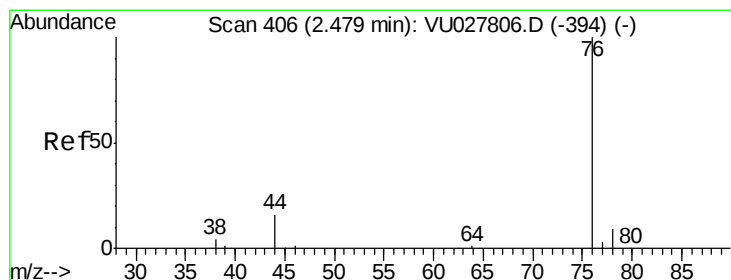
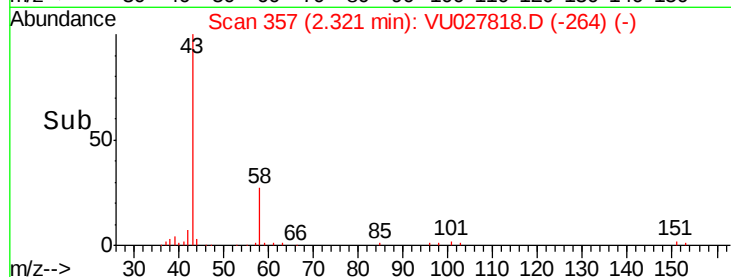
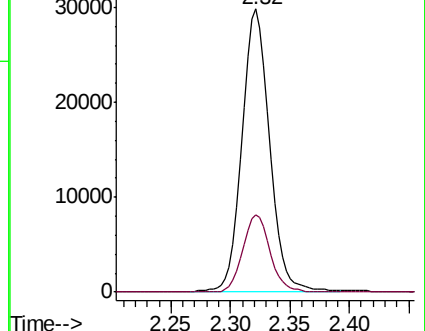
43 100

58 26.7 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU027806.D (-342) (-)

Ion 58.00 (57.70 to 58.70): VU027806.D (-342) (-)



#14

Carbon disulfide

Concen: 44.899 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027818.D

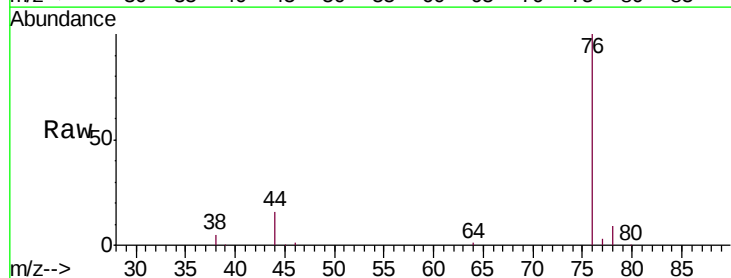
Acq: 26 Oct 2018 08:20

Tgt Ion: 76 Resp: 78871

Ion Ratio Lower Upper

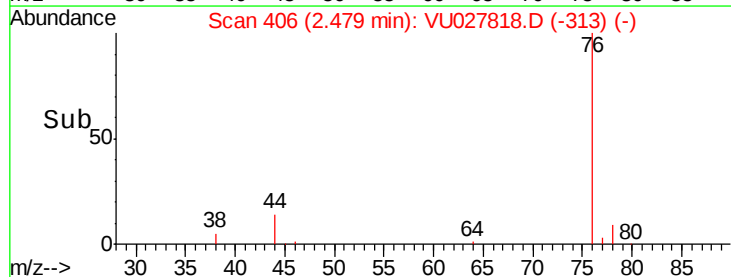
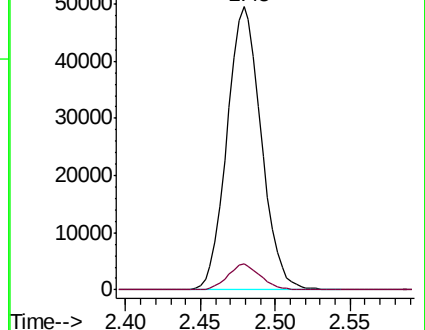
76 100

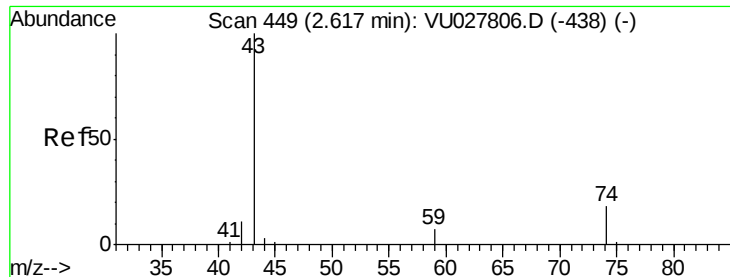
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VU027806.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027806.D (-394) (-)

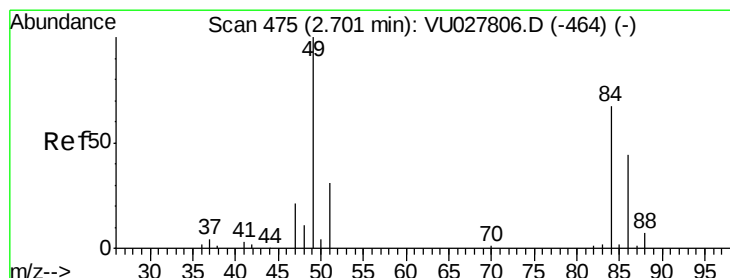
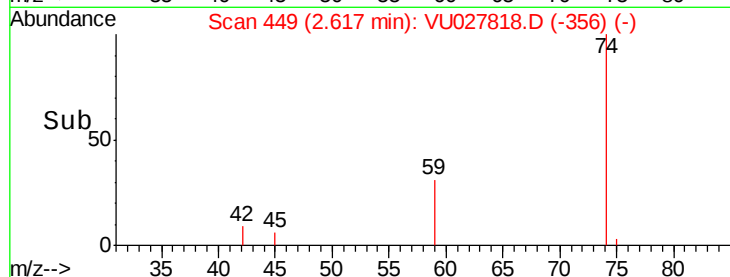
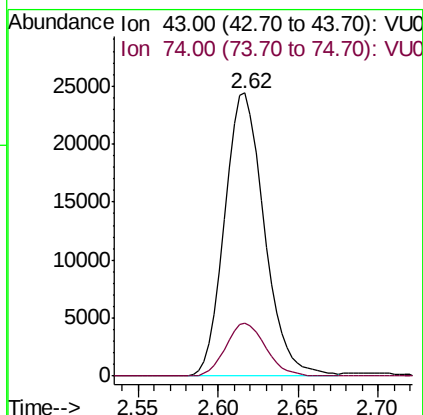
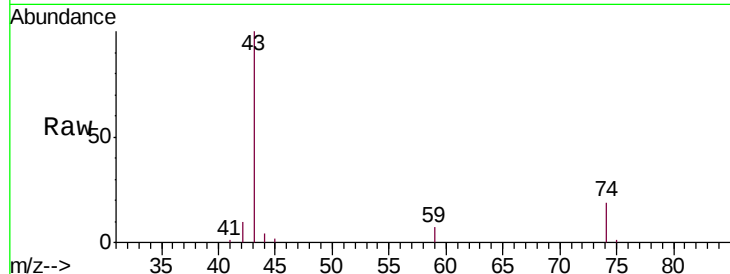




#15
Methyl Acetate
Concen: 47.098 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027818.D
Acq: 26 Oct 2018 08:20

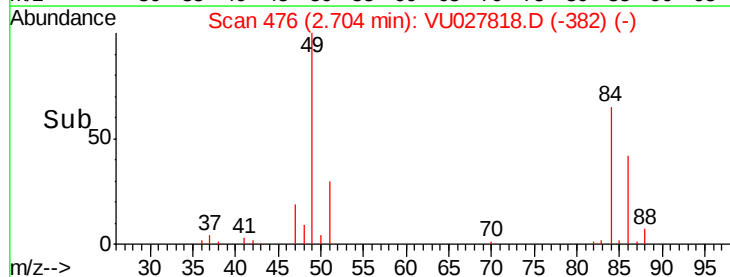
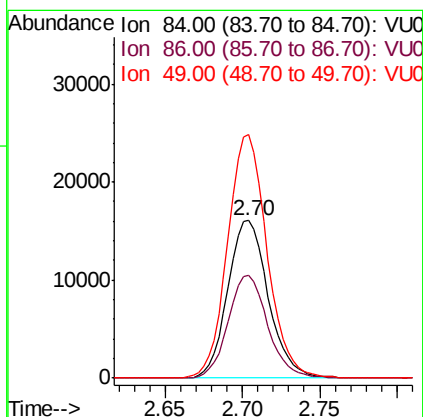
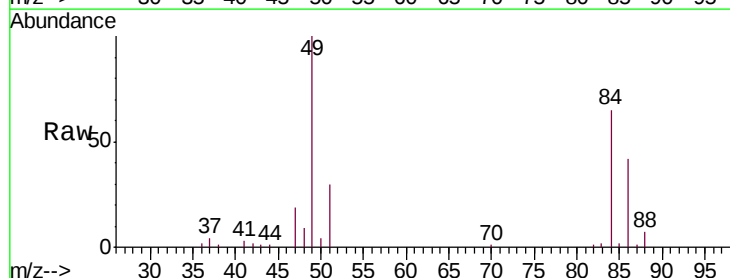
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

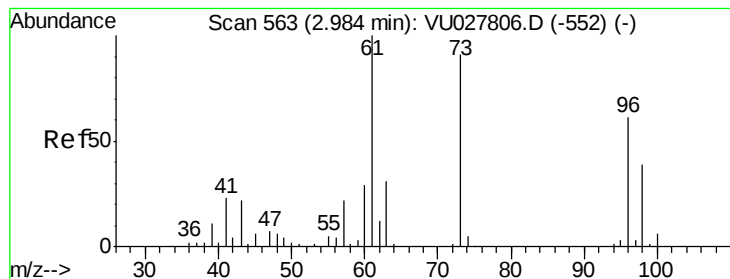
Tgt Ion: 43 Resp: 41447
Ion Ratio Lower Upper
43 100
74 18.6 15.1 22.7



#16
Methylene chloride
Concen: 46.930 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027818.D
Acq: 26 Oct 2018 08:20

Tgt Ion: 84 Resp: 29246
Ion Ratio Lower Upper
84 100
86 65.5 42.8 79.6
49 154.7 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 46.840 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

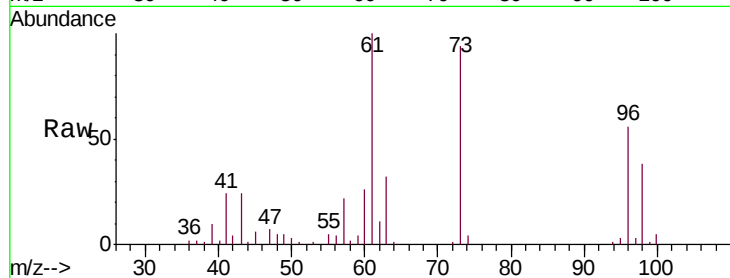
Tgt Ion: 96 Resp: 26140

Ion Ratio Lower Upper

96 100

61 178.4 114.7 212.9

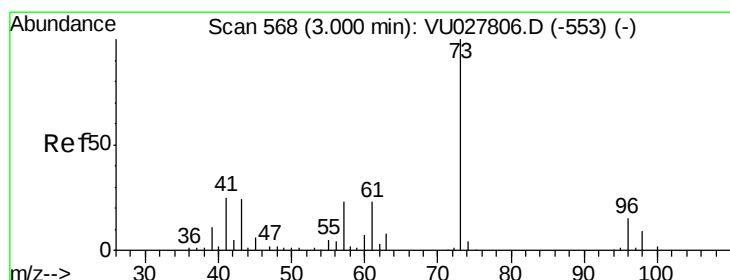
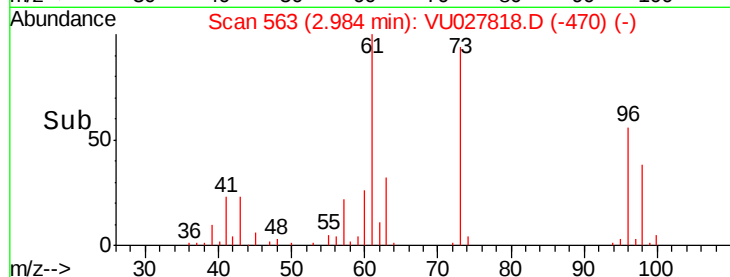
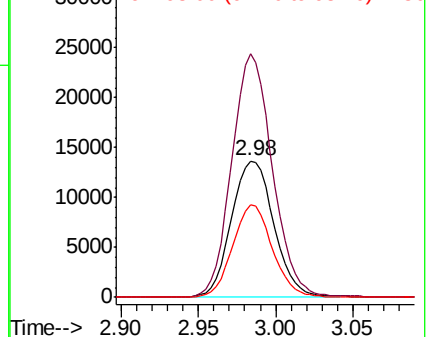
98 67.6 42.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 48.601 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

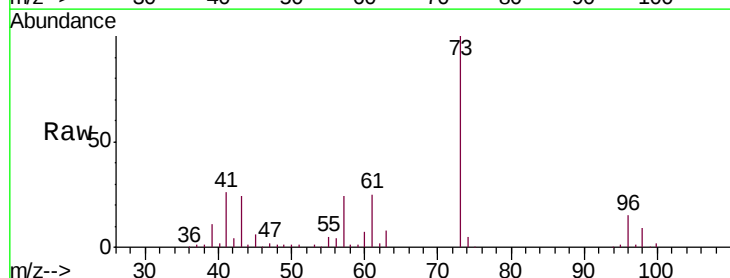
Tgt Ion: 73 Resp: 101376

Ion Ratio Lower Upper

73 100

43 23.9 18.3 27.5

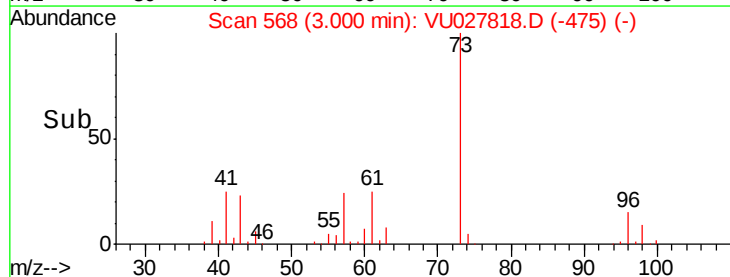
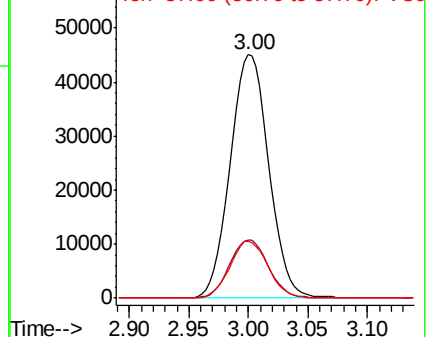
57 23.1 18.6 28.0

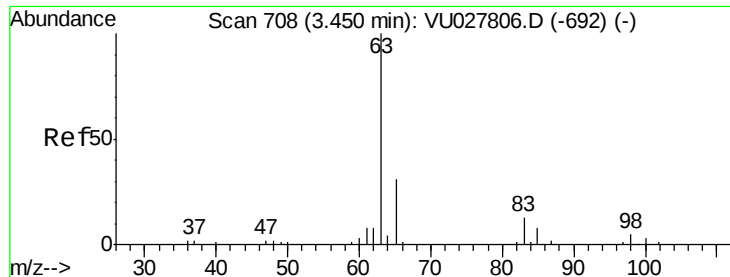


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

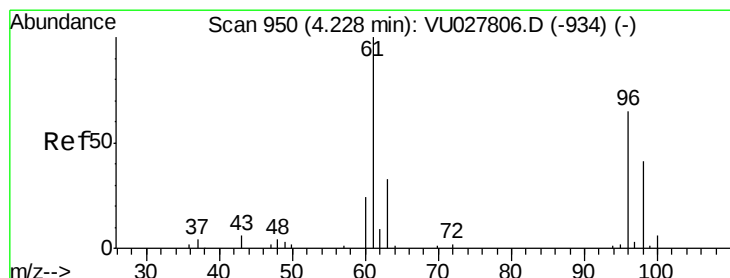
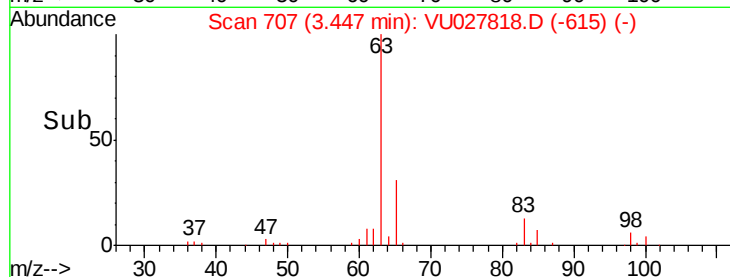
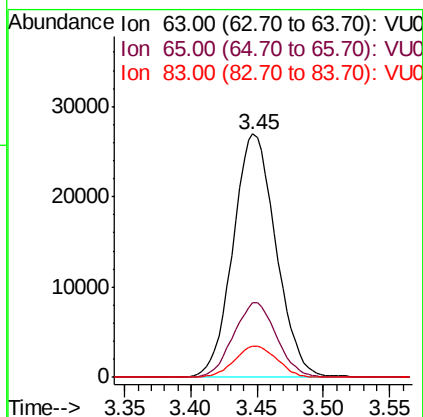
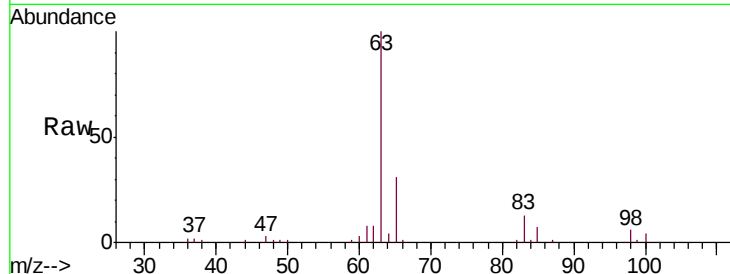




#19
 1,1-Dichloroethane
 Concen: 50.011 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

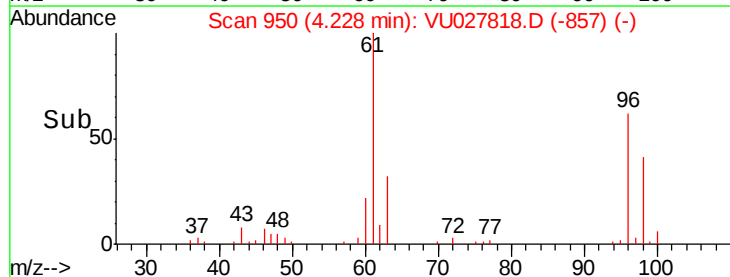
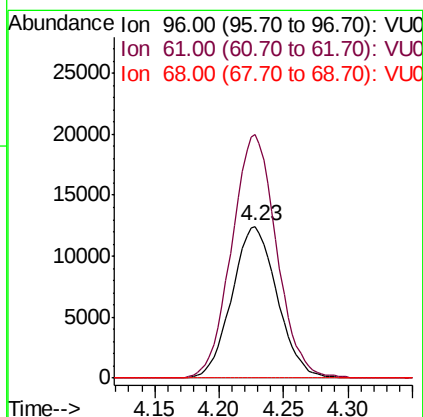
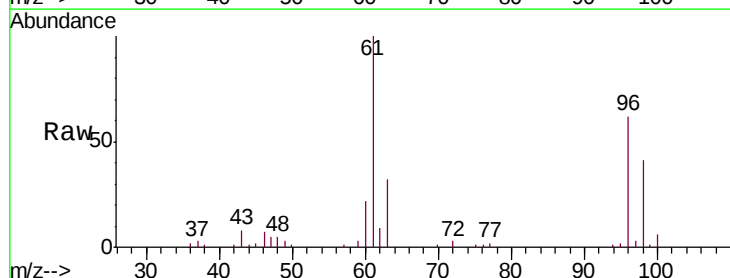
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

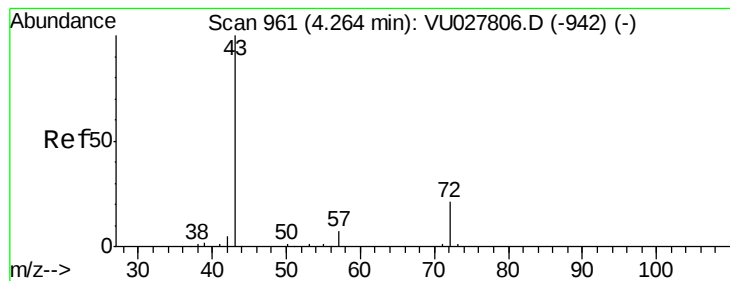
Tgt Ion: 63 Resp: 60564
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.2 41.2
 83 13.0 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 45.992 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

Tgt Ion: 96 Resp: 30364
 Ion Ratio Lower Upper
 96 100
 61 160.5 104.2 193.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.420 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

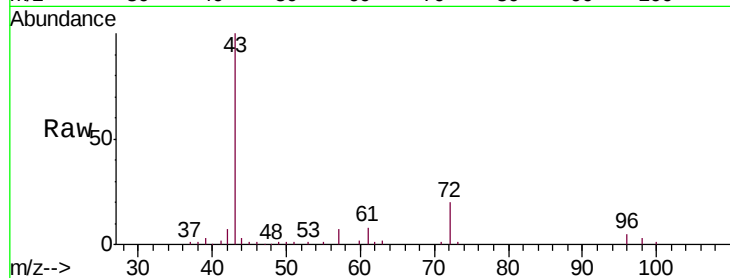
VSTD05033

Tgt Ion: 43 Resp: 66216

Ion Ratio Lower Upper

43 100

72 20.4 11.2 33.5



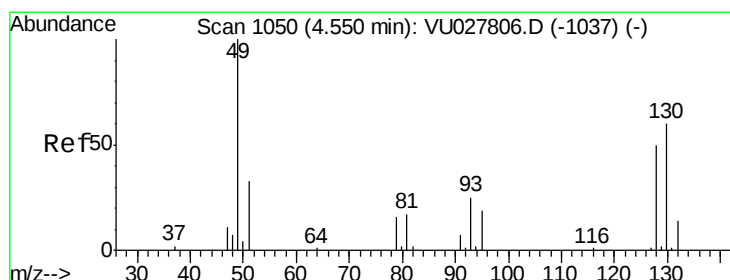
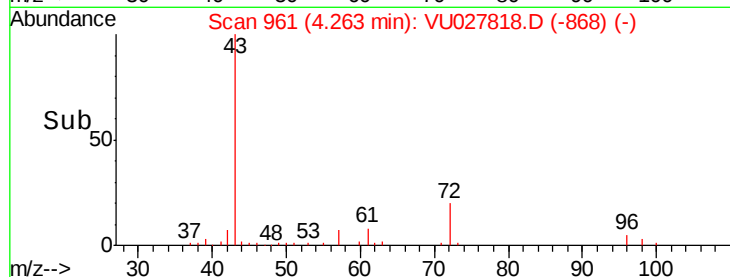
Abundance Ion 43.00 (42.70 to 43.70): VU027818.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU027818.D (-968) (-)

4.26

Time-->

4.20 4.30 4.40



#23

Bromochloromethane

Concen: 47.649 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Tgt Ion: 128 Resp: 14689

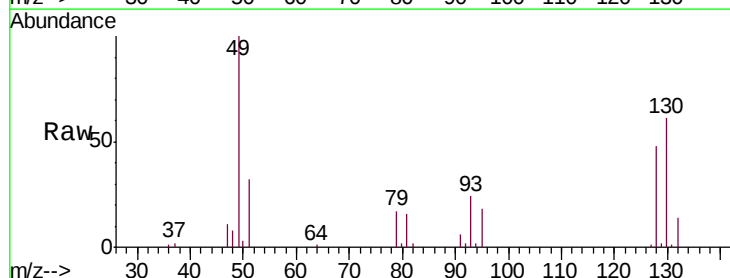
Ion Ratio Lower Upper

128 100

49 209.5 136.2 253.0

130 126.9 86.0 159.6

51 67.5 48.8 73.2



Abundance Ion 128.00 (127.70 to 128.70): VU027818.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU027818.D (-957) (-)

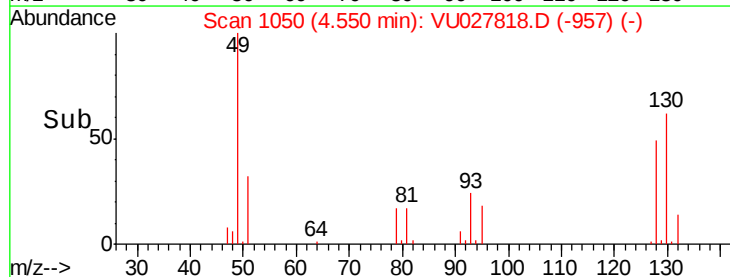
Ion 130.00 (129.70 to 130.70): VU027818.D (-957) (-)

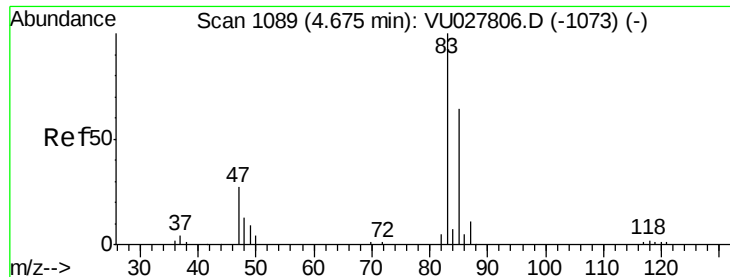
Ion 51.00 (50.70 to 51.70): VU027818.D (-957) (-)

4.55

Time-->

4.50 4.55 4.60

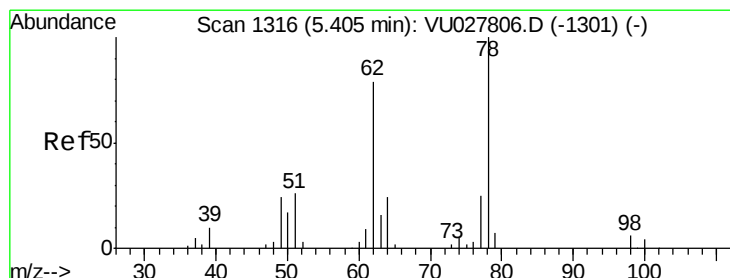
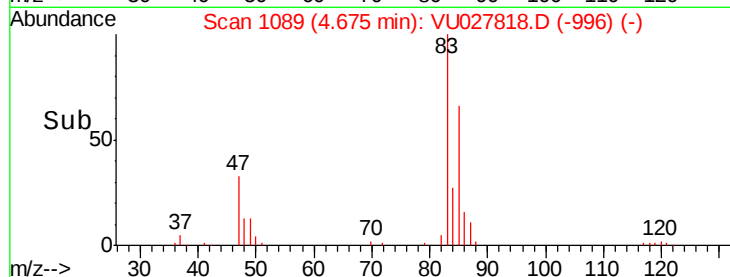
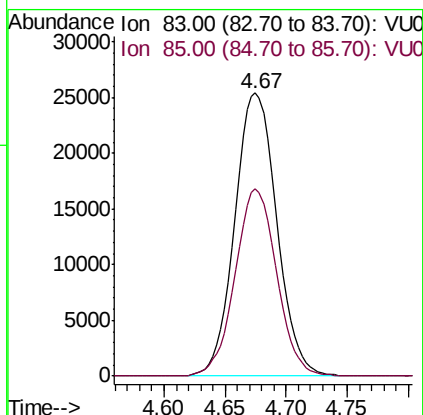
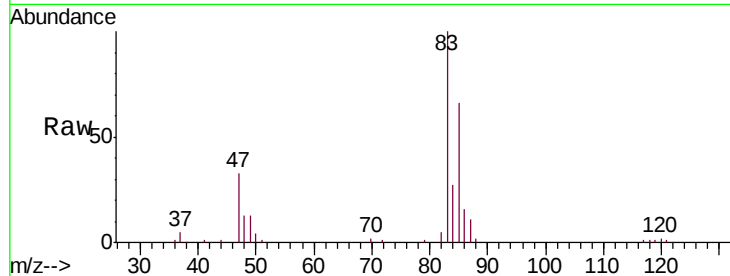




#25
Chloroform
Concen: 51.554 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027818.D
Acq: 26 Oct 2018 08:20

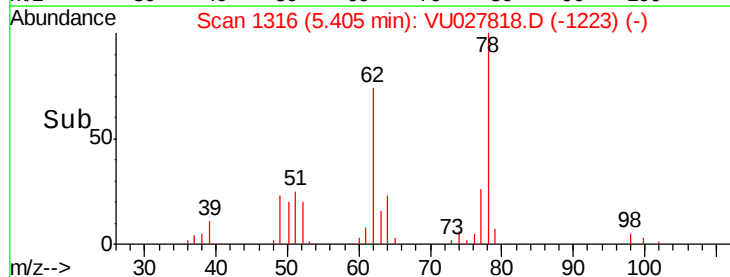
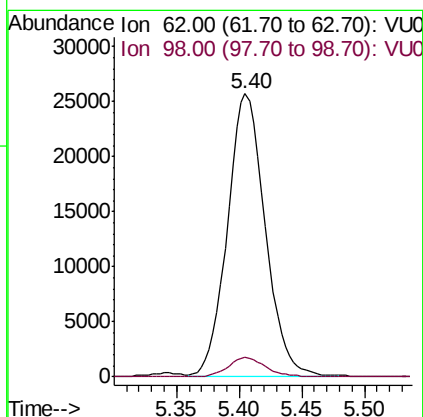
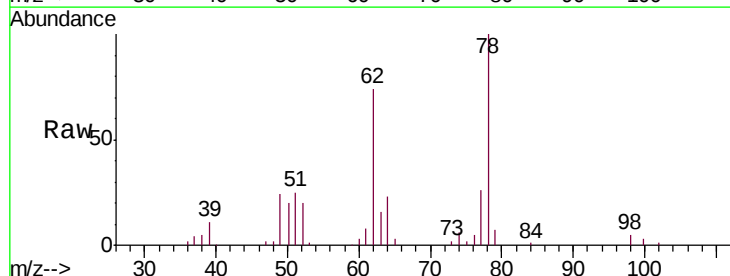
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

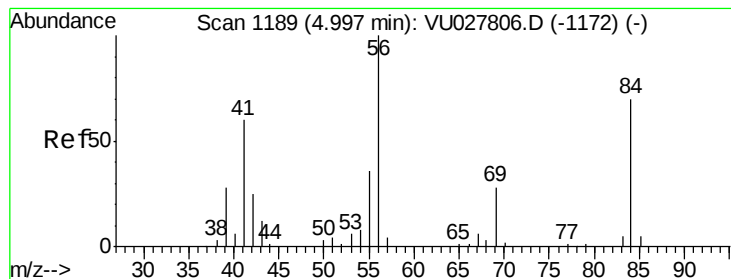
Tgt Ion: 83 Resp: 60588
Ion Ratio Lower Upper
83 100
85 66.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 53.056 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027818.D
Acq: 26 Oct 2018 08:20

Tgt Ion: 62 Resp: 54113
Ion Ratio Lower Upper
62 100
98 6.9 6.3 9.5





#29

Cyclohexane

Concen: 48.463 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

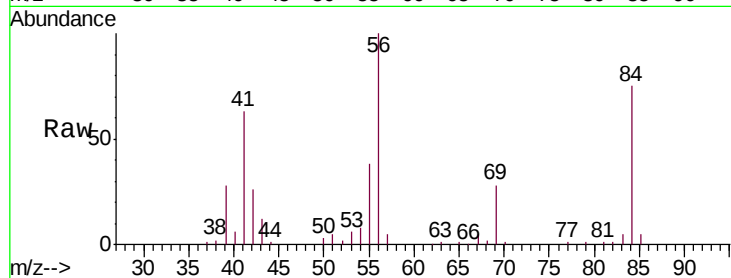
Tgt Ion: 56 Resp: 58867

Ion Ratio Lower Upper

56 100

69 27.3 22.5 33.7

84 72.7 58.5 87.7

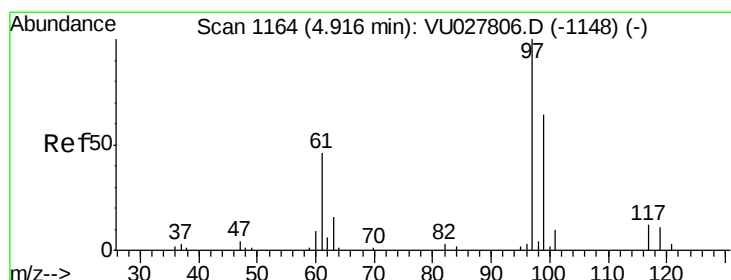
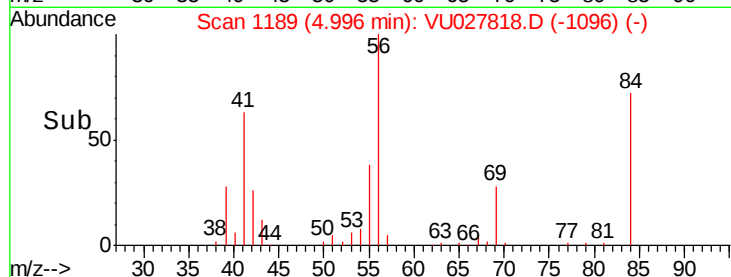
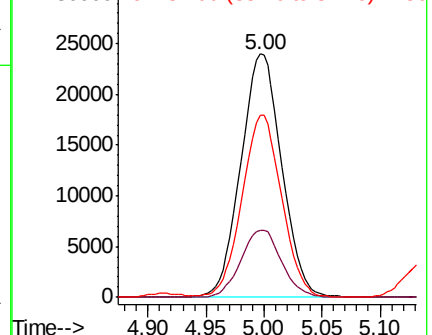


Abundance

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: 51.973 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

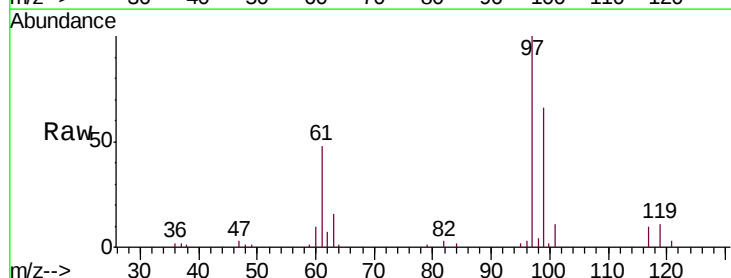
Tgt Ion: 97 Resp: 53386

Ion Ratio Lower Upper

97 100

99 63.3 51.7 77.5

61 47.9 37.5 56.3

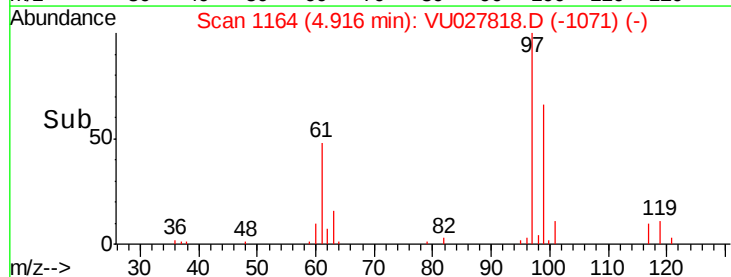
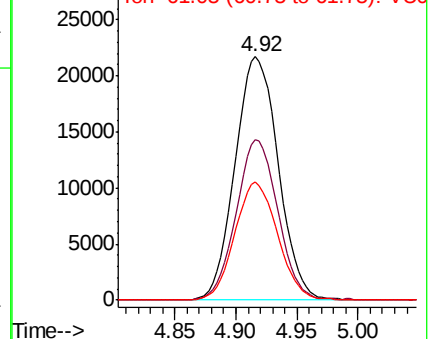


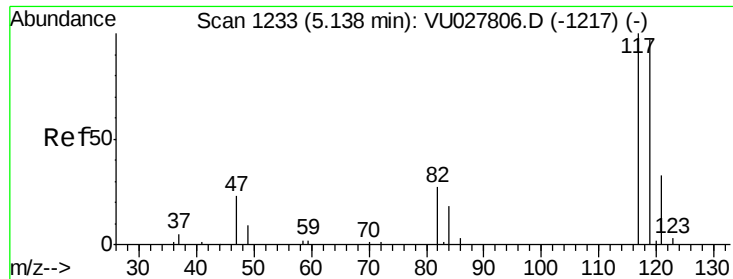
Abundance

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: 50.062 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

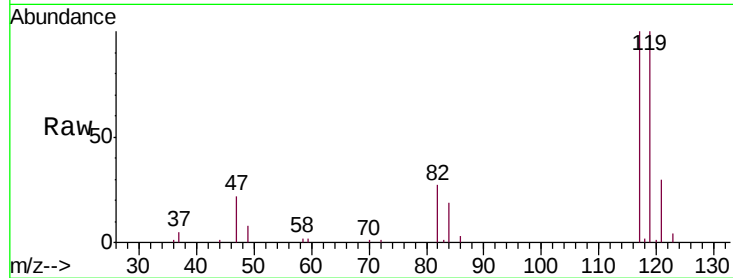
VSTD05033

Tgt Ion:117 Resp: 46275

Ion Ratio Lower Upper

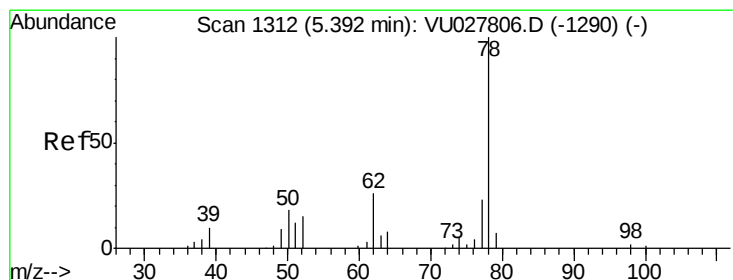
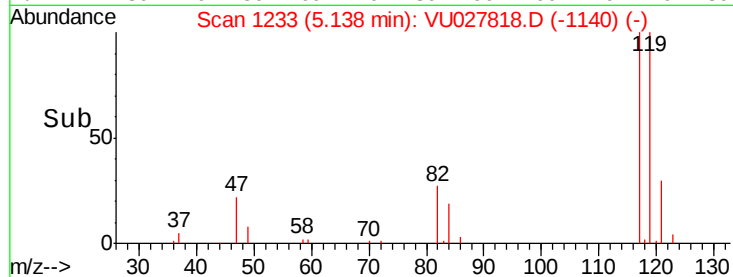
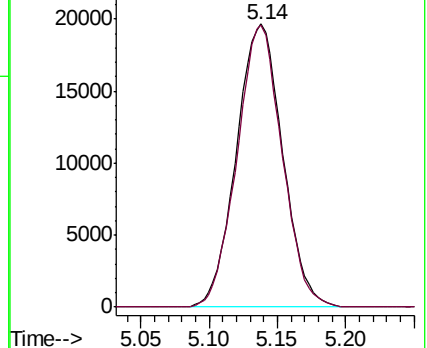
117 100

119 97.0 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.325 ug/L

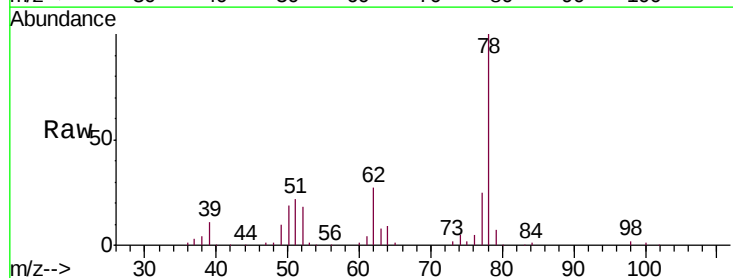
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

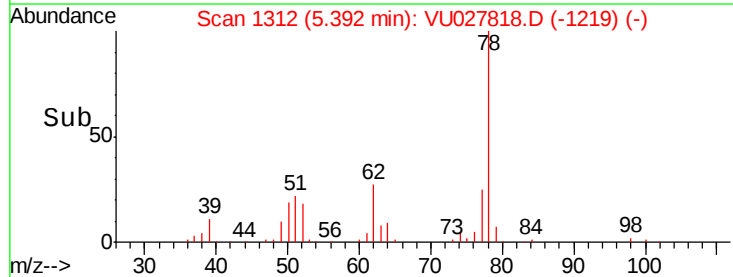
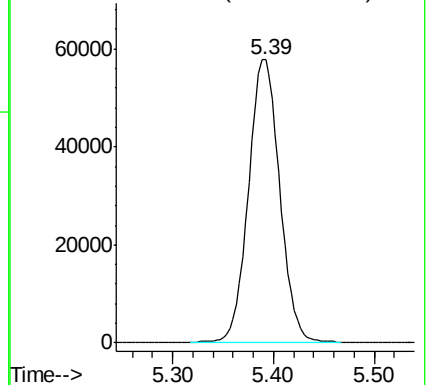
Lab File: VU027818.D

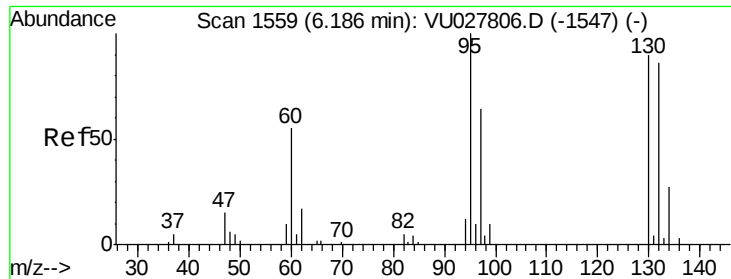
Acq: 26 Oct 2018 08:20

Tgt Ion: 78 Resp: 124349



Abundance Ion 78.00 (77.70 to 78.70): VU0

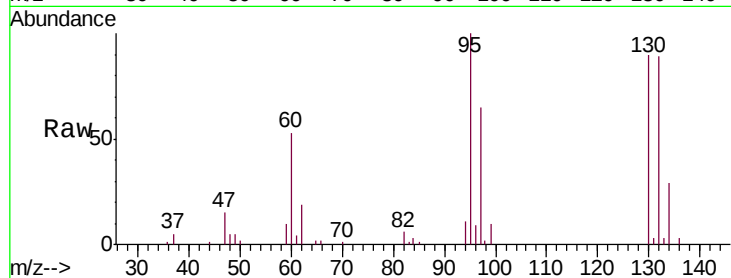




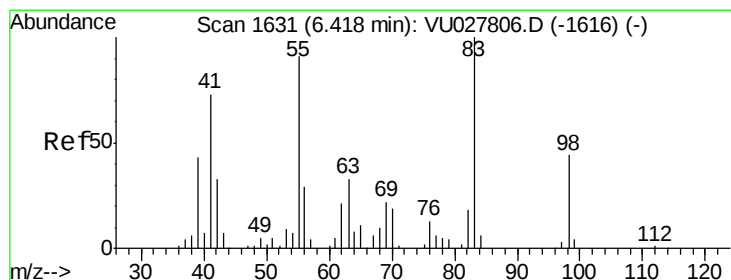
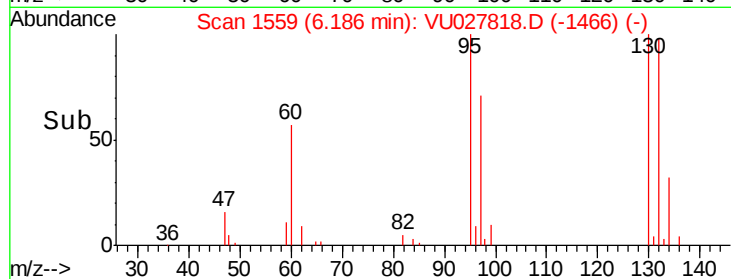
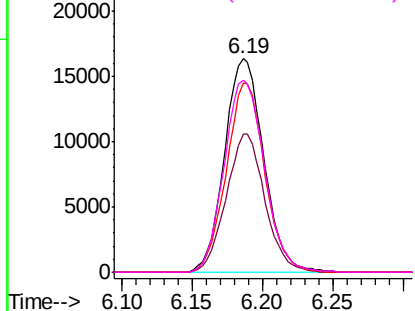
#34
 Trichloroethene
 Concen: 50.363 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion: 95 Resp: 31785
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.8 85.2
 132 88.7 62.1 115.3
 130 90.1 65.0 120.6

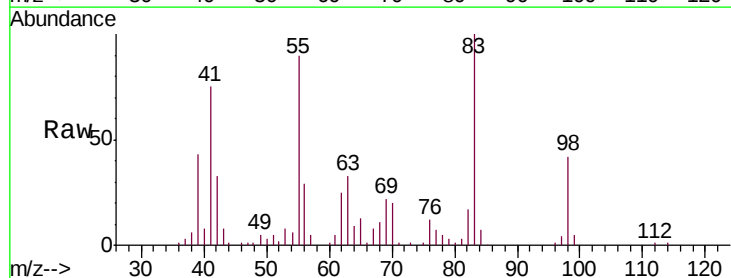


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

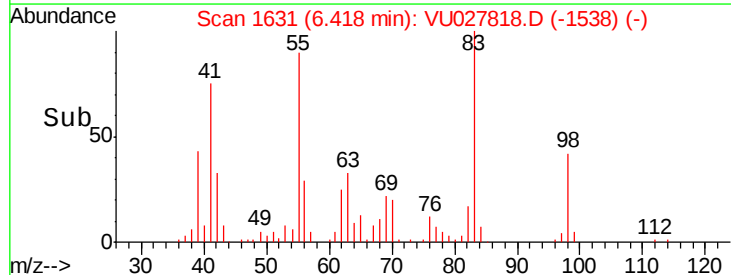
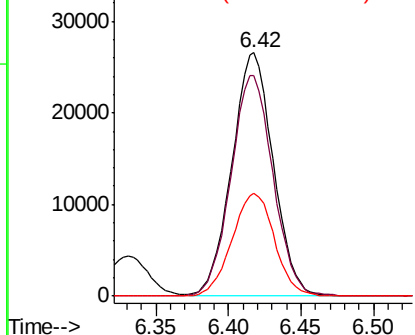


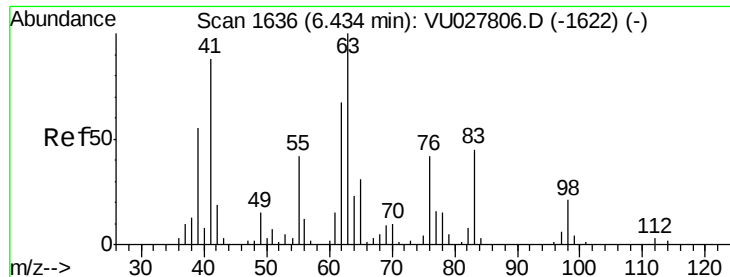
#35
 Methylcyclohexane
 Concen: 48.332 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

Tgt Ion: 83 Resp: 52754
 Ion Ratio Lower Upper
 83 100
 55 91.9 71.9 107.9
 98 43.3 34.6 52.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

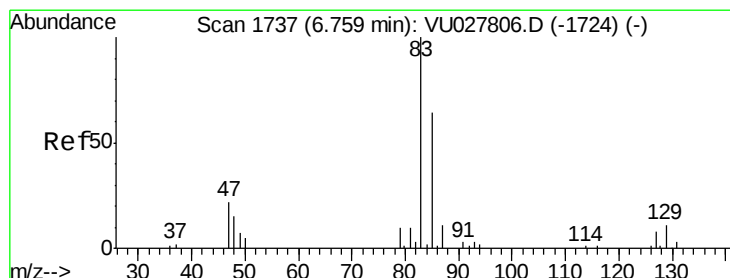
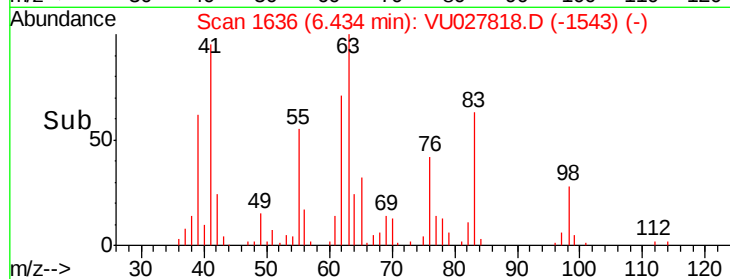
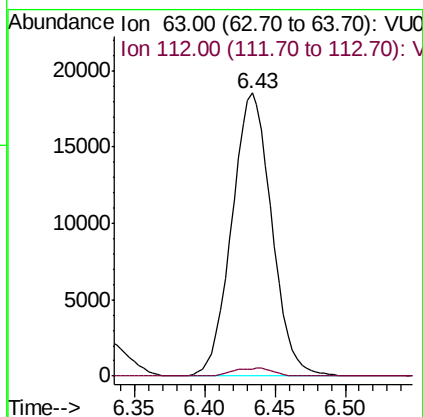
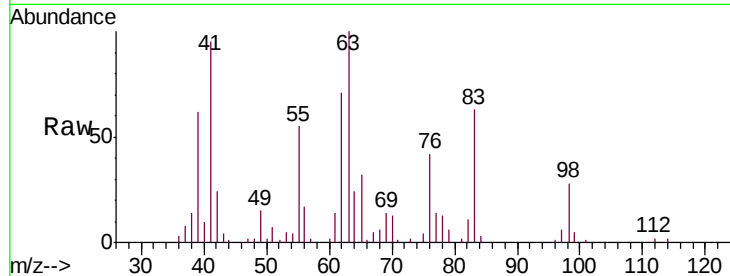




#37
 1,2-Dichloropropane
 Concen: 49.162 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

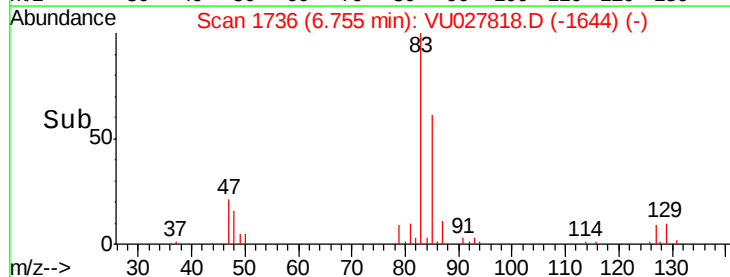
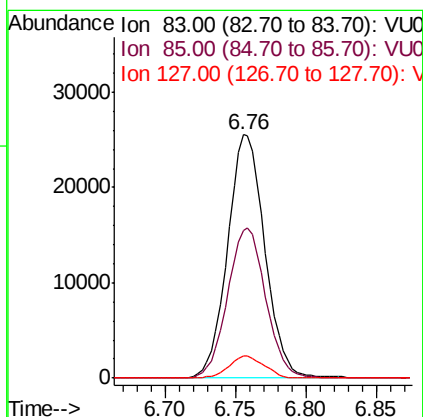
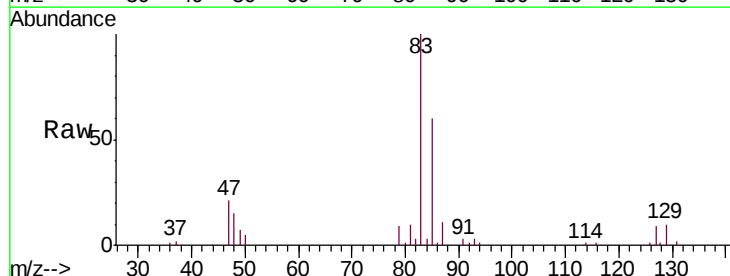
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

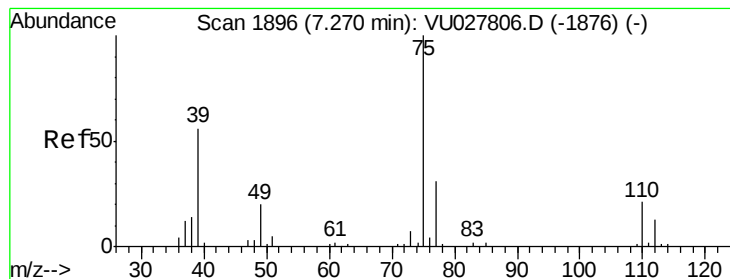
Tgt Ion: 63 Resp: 36619
 Ion Ratio Lower Upper
 63 100
 112 1.3 2.6 3.8#



#38
 Bromodichloromethane
 Concen: 50.970 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

Tgt Ion: 83 Resp: 47179
 Ion Ratio Lower Upper
 83 100
 85 60.5 44.5 82.7
 127 9.1 6.2 9.2



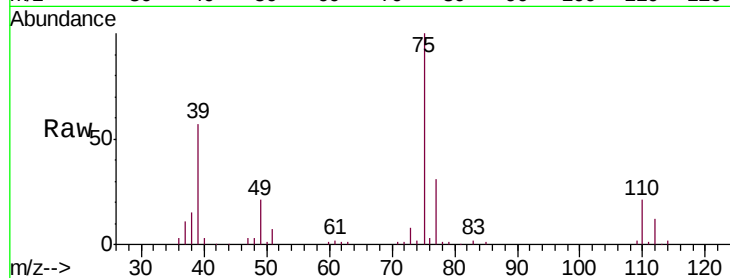


#39

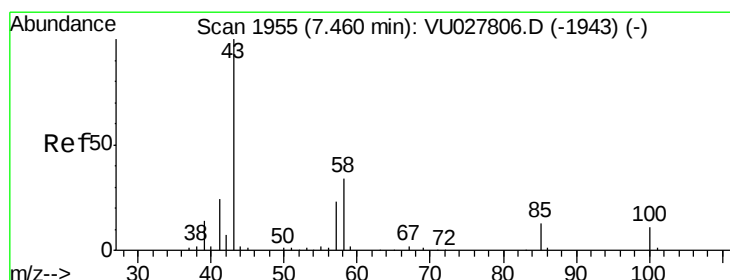
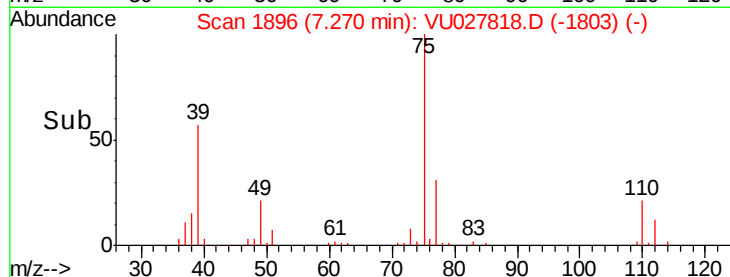
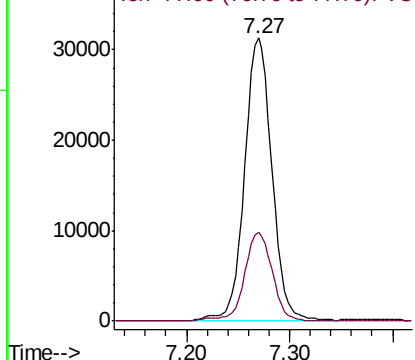
cis-1,3-Dichloropropene
Concen: 50.294 ug/L
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027818.D
Acq: 26 Oct 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Tgt Ion: 75 Resp: 57683
Ion Ratio Lower Upper
75 100
77 31.4 22.5 41.7



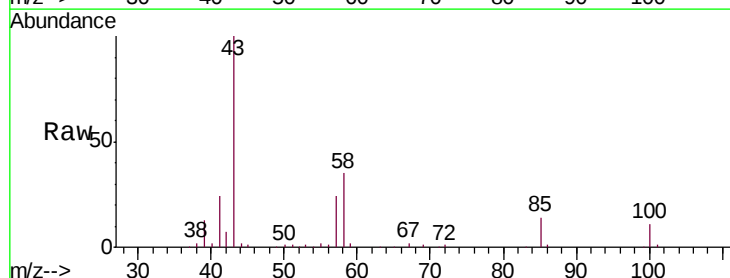
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0



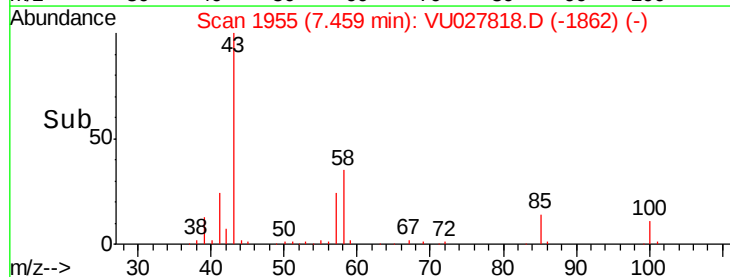
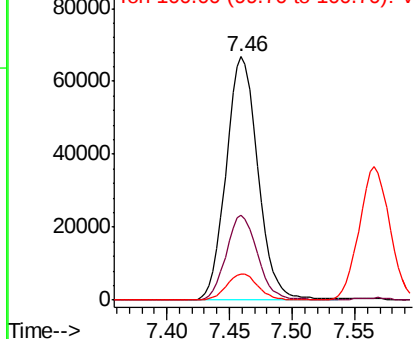
#40

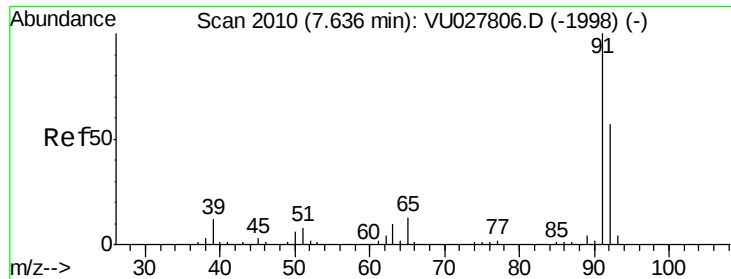
4-Methyl-2-pentanone
Concen: 98.411 ug/L
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU027818.D
Acq: 26 Oct 2018 08:20

Tgt Ion: 43 Resp: 117812
Ion Ratio Lower Upper
43 100
58 34.6 28.3 42.5
100 10.5 9.1 13.7



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





#42

Toluene

Concen: 49.737 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

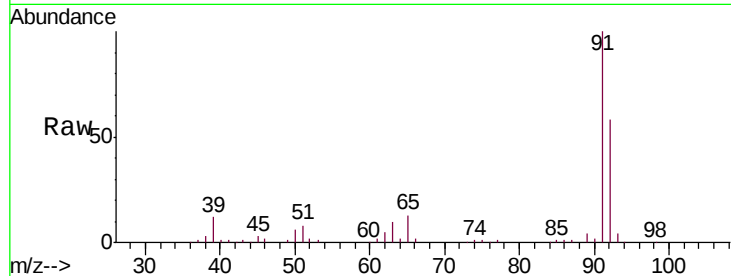
VSTD05033

Tgt Ion: 91 Resp: 131313

Ion Ratio Lower Upper

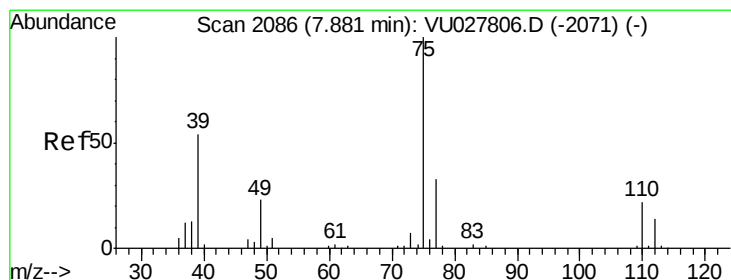
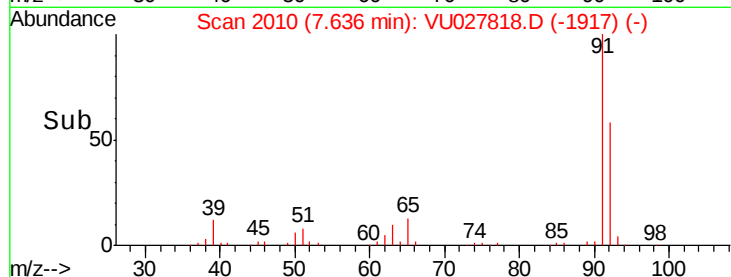
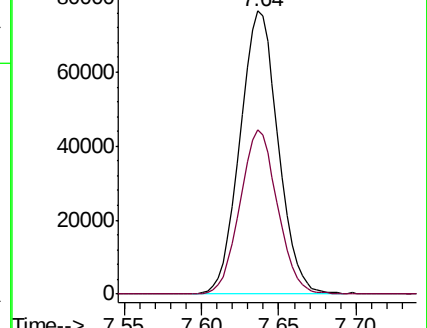
91 100

92 57.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU027806.D (-1998) (-)

Ion 92.00 (91.70 to 92.70): VU027806.D (-1998) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.435 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027818.D

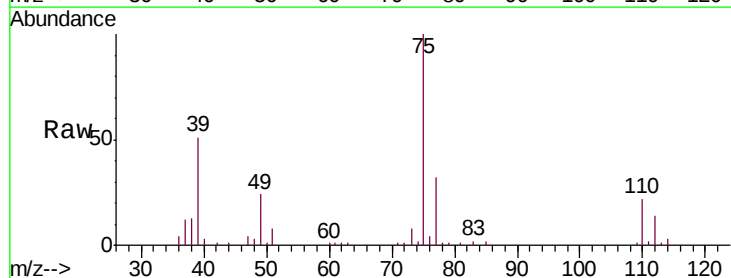
Acq: 26 Oct 2018 08:20

Tgt Ion: 75 Resp: 54718

Ion Ratio Lower Upper

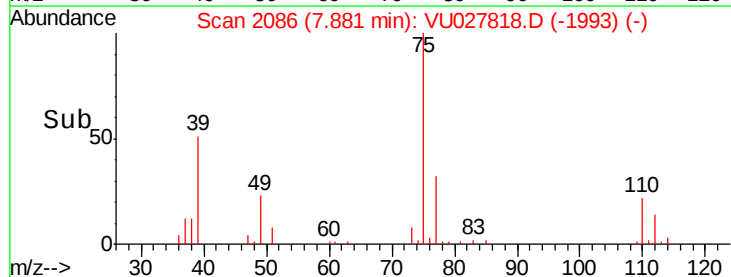
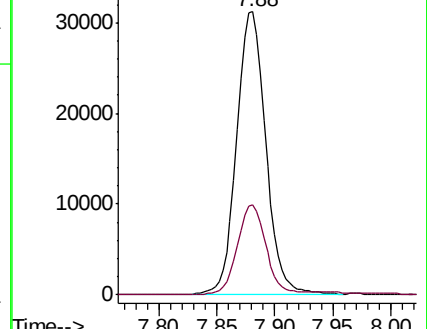
75 100

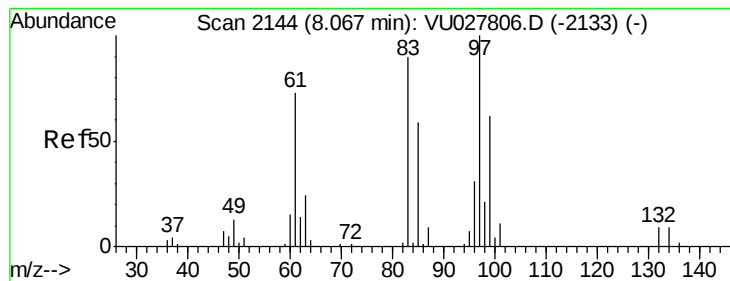
77 31.7 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU027806.D (-2071) (-)

Ion 77.00 (76.70 to 77.70): VU027806.D (-2071) (-)





#45

1,1,2-Trichloroethane

Concen: 49.548 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

Tgt Ion: 97 Resp: 30485

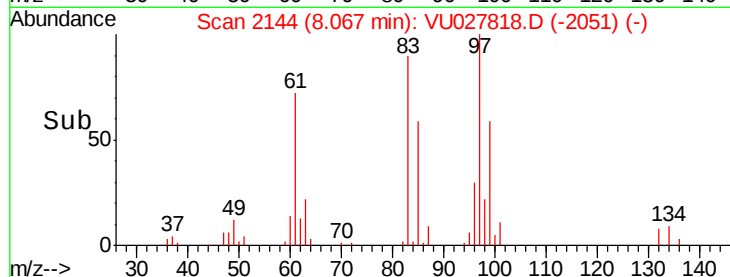
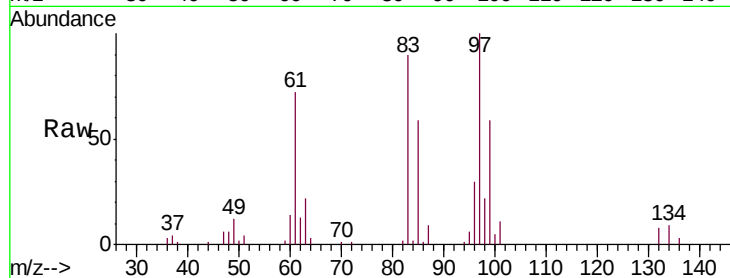
Ion Ratio Lower Upper

97 100

99 58.6 42.6 79.2

83 90.2 62.4 115.8

85 58.7 41.6 77.2

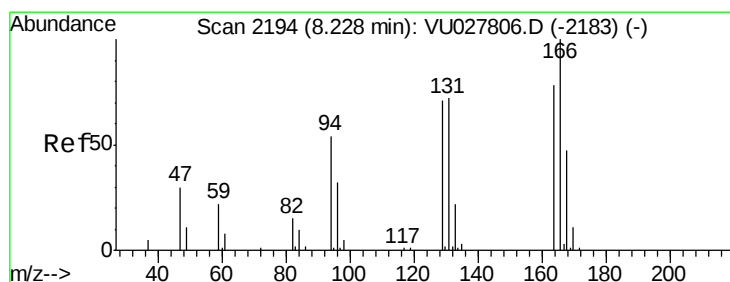
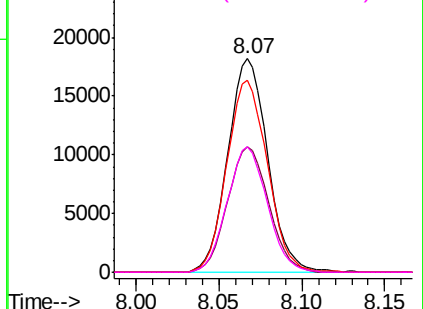


Abundance Ion 97.00 (96.70 to 97.70): VU027818.D (-2051) (-)

Ion 99.00 (98.70 to 99.70): VU027818.D (-2051) (-)

Ion 83.00 (82.70 to 83.70): VU027818.D (-2051) (-)

Ion 85.00 (84.70 to 85.70): VU027818.D (-2051) (-)



#46

Tetrachloroethene

Concen: 50.429 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Tgt Ion: 164 Resp: 24579

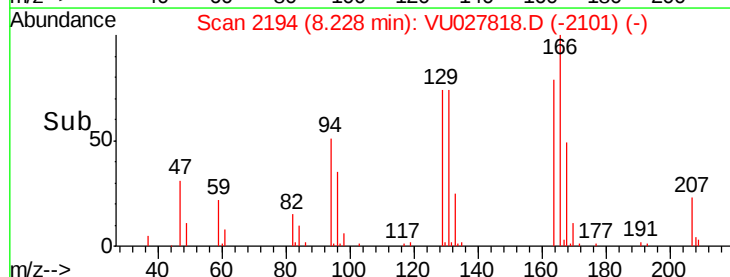
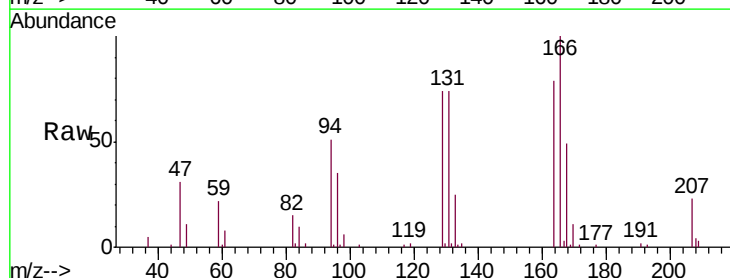
Ion Ratio Lower Upper

164 100

129 93.8 68.5 127.3

131 93.3 67.1 124.5

166 126.6 92.2 171.2

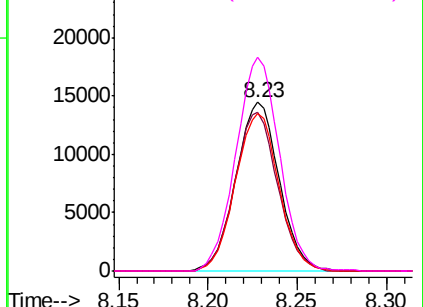


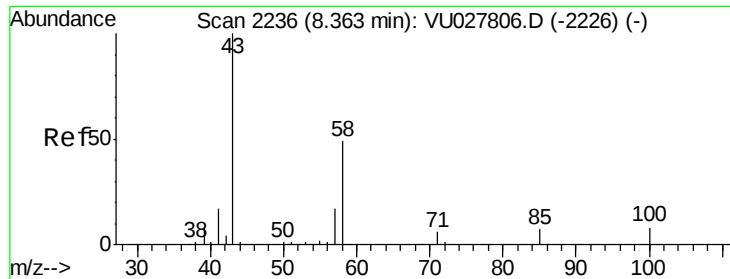
Abundance Ion 164.00 (163.70 to 164.70): VU027818.D (-2101) (-)

Ion 129.00 (128.70 to 129.70): VU027818.D (-2101) (-)

Ion 131.00 (130.70 to 131.70): VU027818.D (-2101) (-)

Ion 166.00 (165.70 to 166.70): VU027818.D (-2101) (-)

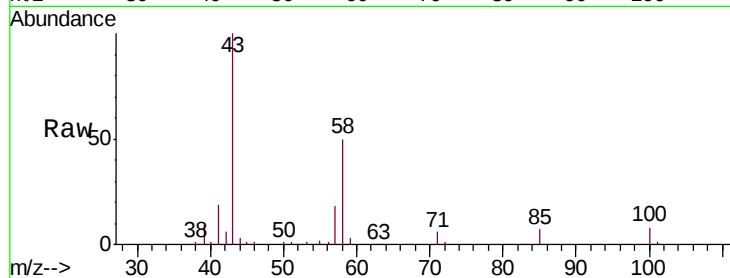




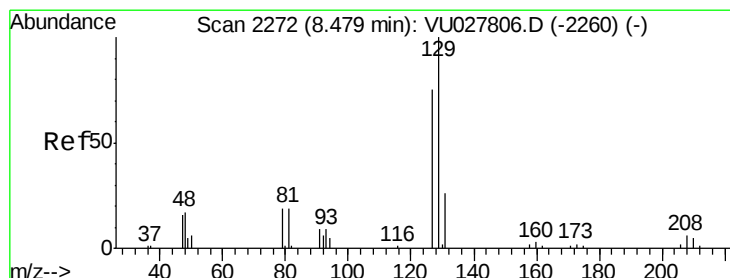
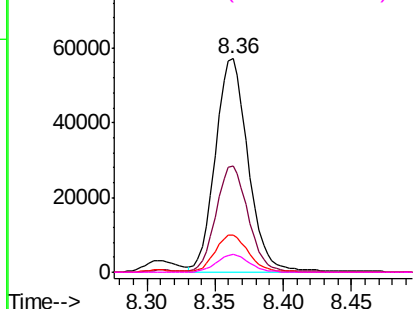
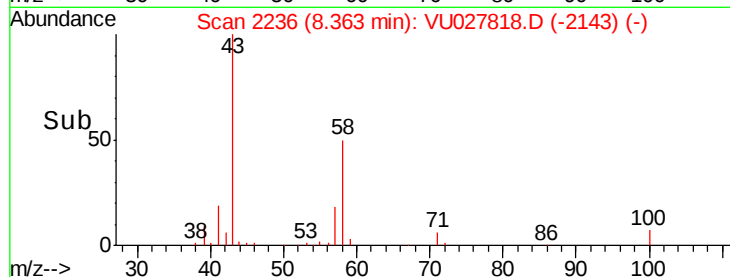
#48
2-Hexanone
Concen: 102.836 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027818.D
Acq: 26 Oct 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Tgt Ion: 43 Resp: 95472
Ion Ratio Lower Upper
43 100
58 47.9 38.8 58.2
57 17.1 13.1 19.7
100 8.2 6.8 10.2

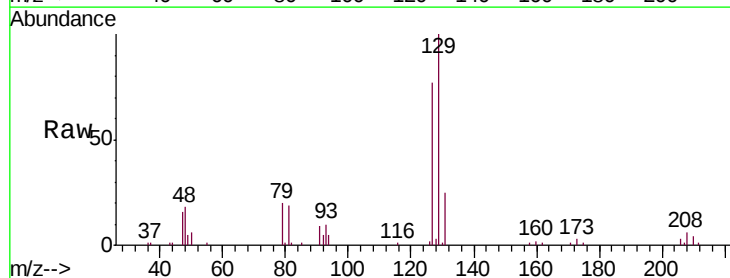


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

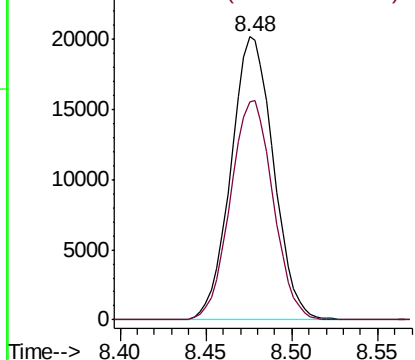
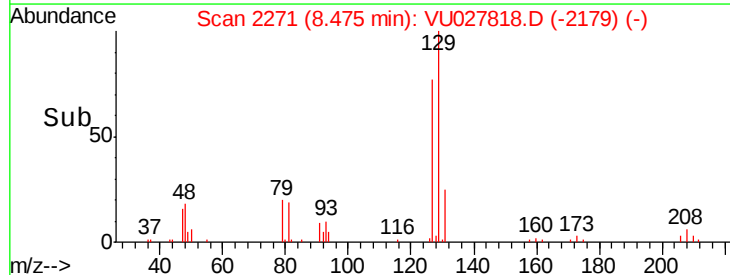


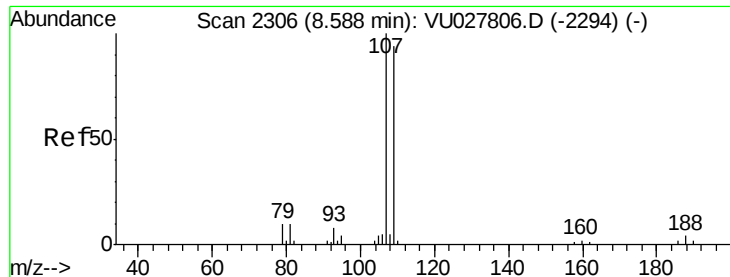
#49
Dibromochloromethane
Concen: 47.758 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027818.D
Acq: 26 Oct 2018 08:20

Tgt Ion: 129 Resp: 34818
Ion Ratio Lower Upper
129 100
127 77.3 54.1 100.5



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





#50

1,2-Dibromoethane

Concen: 50.688 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

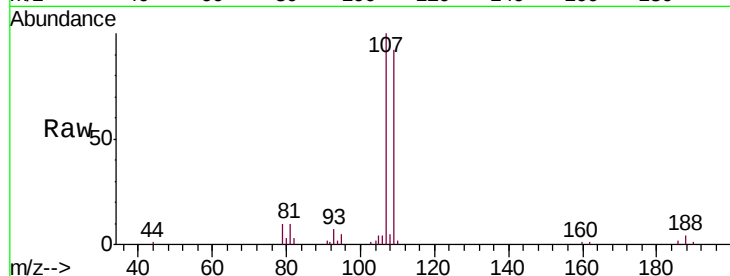
Tgt Ion:107 Resp: 33286

Ion Ratio Lower Upper

107 100

109 92.3 68.4 127.0

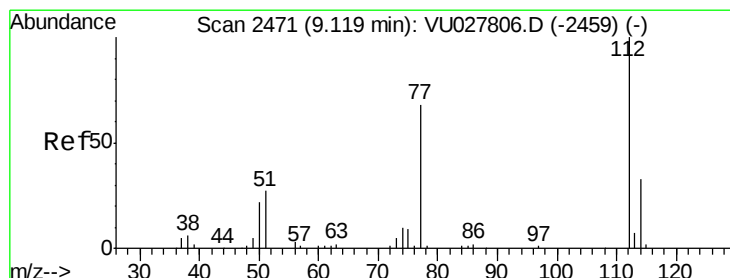
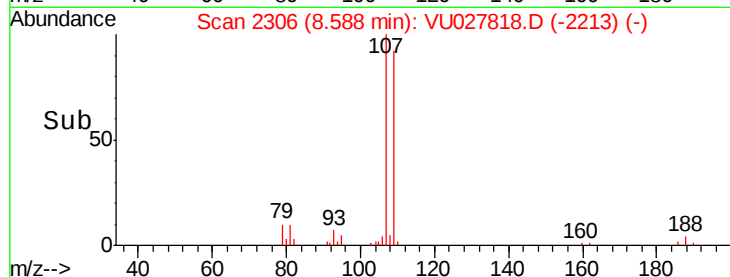
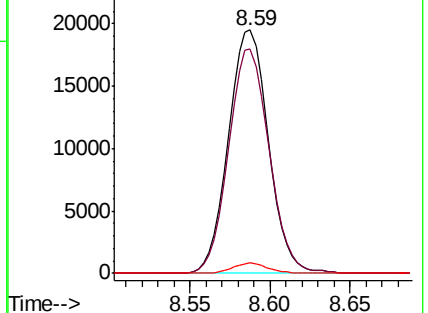
188 4.4 3.3 4.9



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: 49.116 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

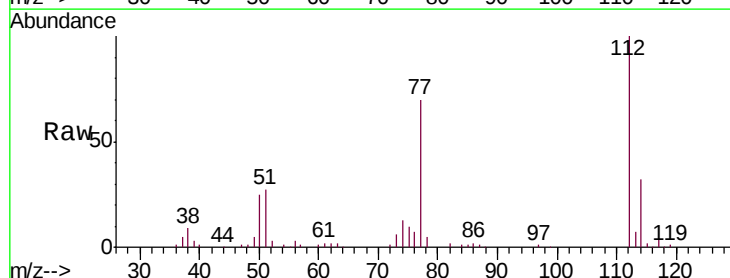
Tgt Ion:112 Resp: 79500

Ion Ratio Lower Upper

112 100

114 32.2 21.9 40.7

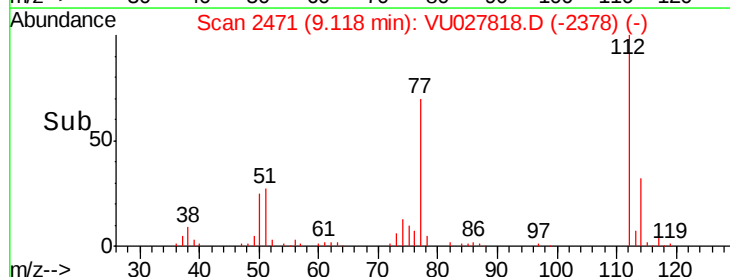
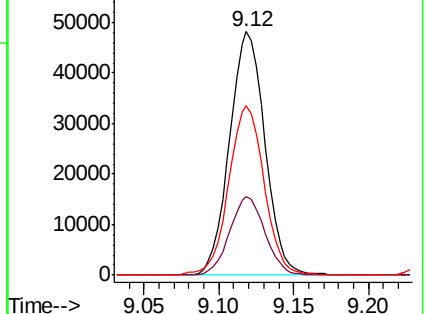
77 69.8 52.2 78.2

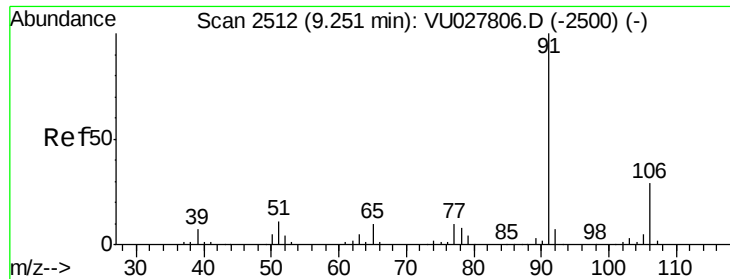


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 50.525 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

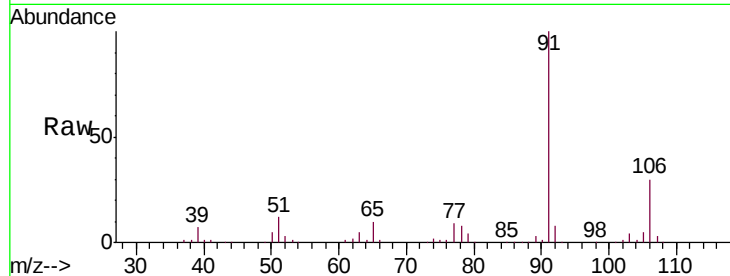
VSTD05033

Tgt Ion: 91 Resp: 150892

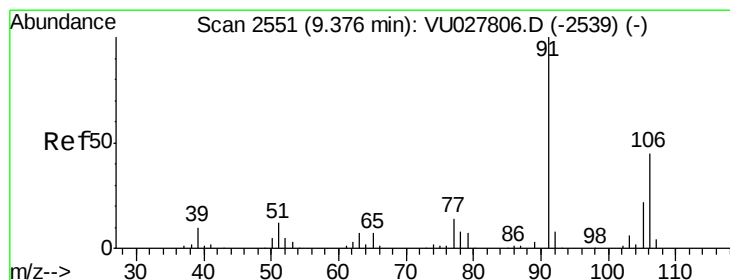
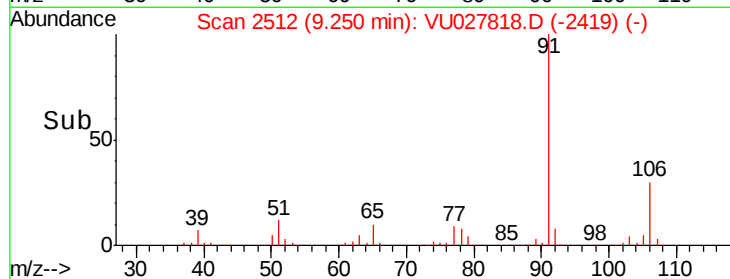
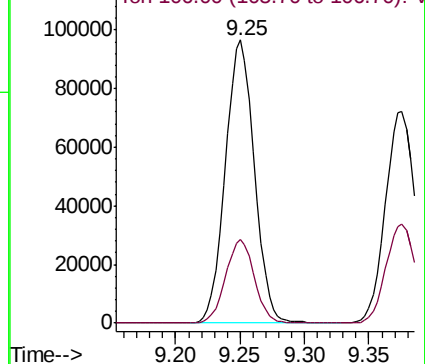
Ion Ratio Lower Upper

91 100

106 29.6 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU027806.D (-2500) (-)



#53

m,p-Xylene

Concen: 50.668 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027818.D

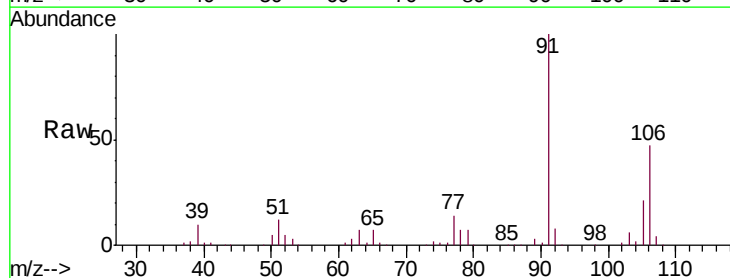
Acq: 26 Oct 2018 08:20

Tgt Ion: 106 Resp: 54664

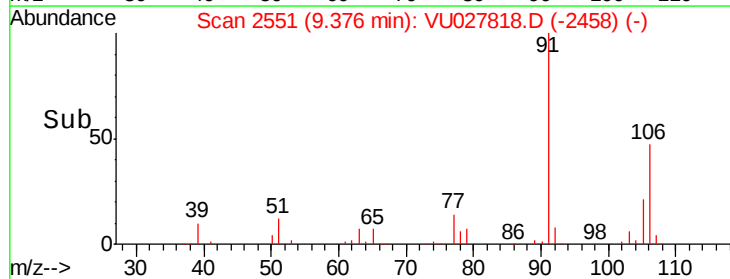
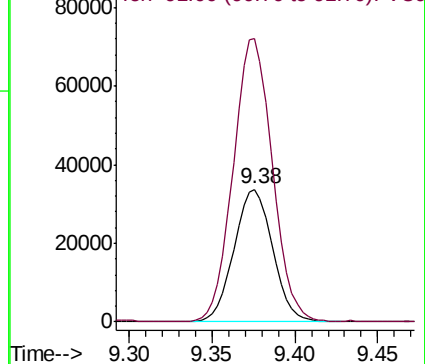
Ion Ratio Lower Upper

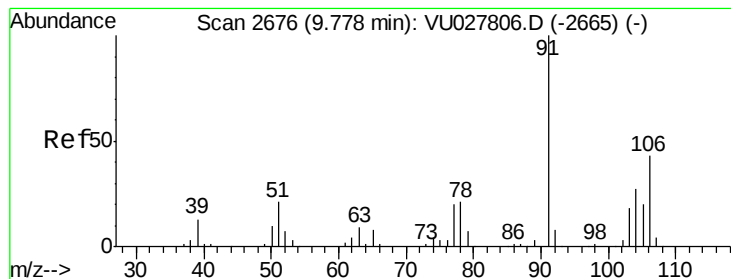
106 100

91 213.5 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VU027806.D (-2539) (-)





#54

o-xylene

Concen: 50.021 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

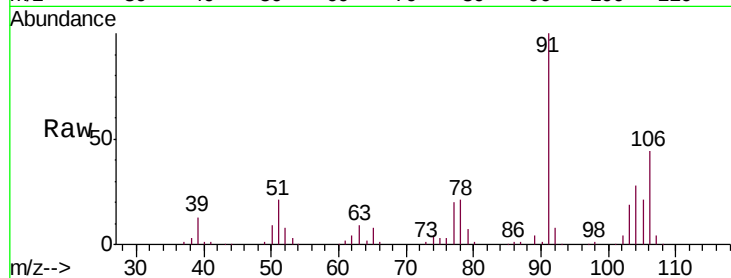
VSTD05033

Tgt Ion:106 Resp: 53794

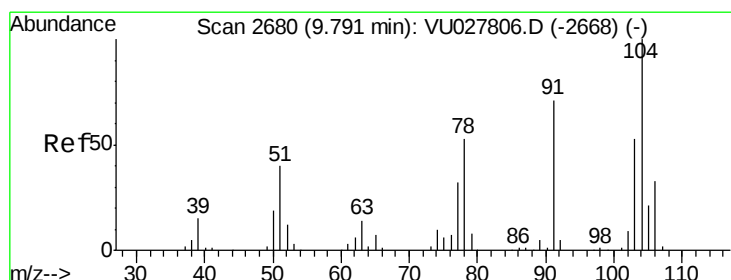
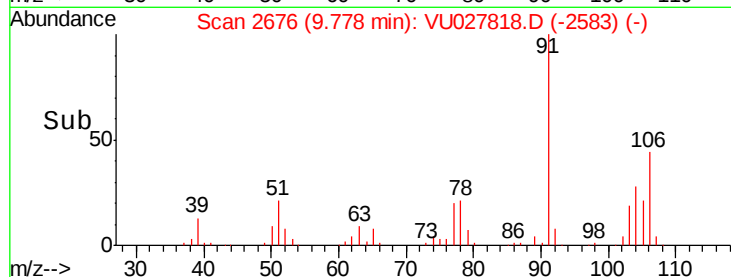
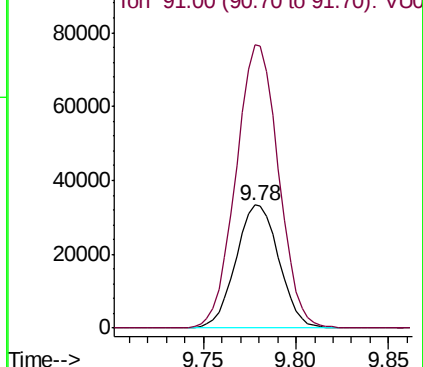
Ion Ratio Lower Upper

106 100

91 229.5 159.4 296.0



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 50.339 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027818.D

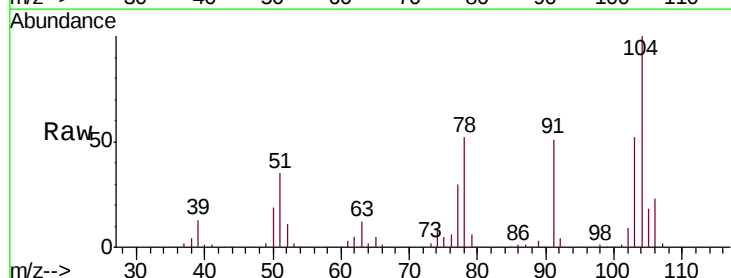
Acq: 26 Oct 2018 08:20

Tgt Ion:104 Resp: 92146

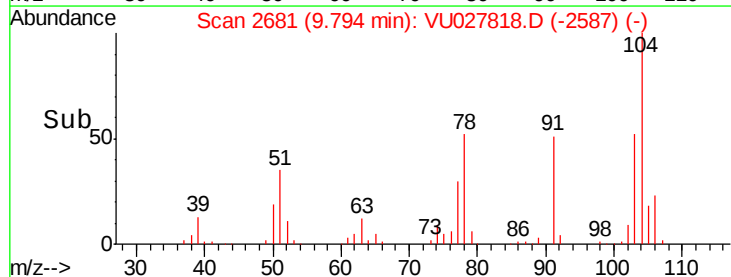
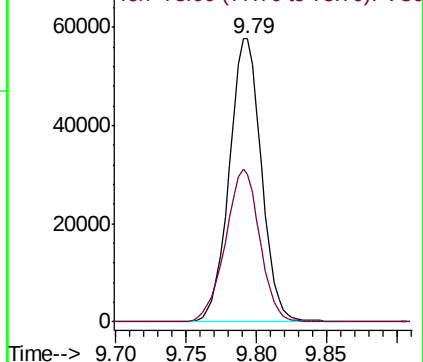
Ion Ratio Lower Upper

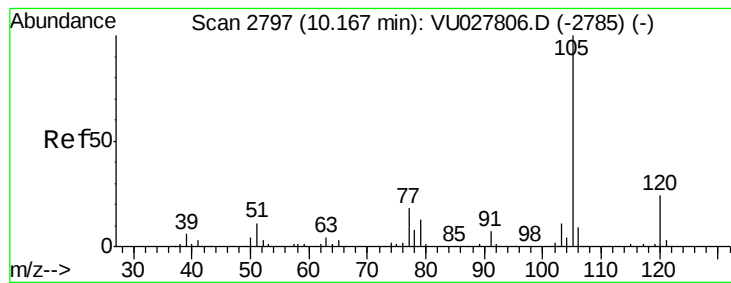
104 100

78 52.0 36.5 67.9



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 50.913 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

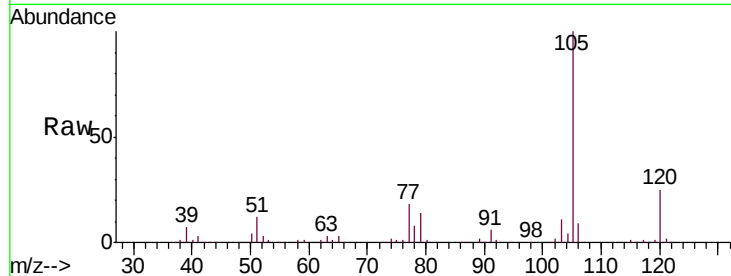
Tgt Ion: 105 Resp: 145003

Ion Ratio Lower Upper

105 100

120 25.2 21.0 31.6

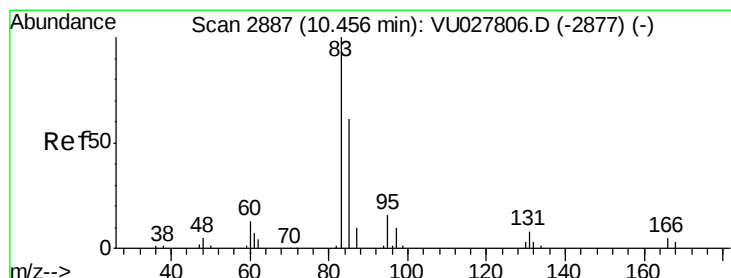
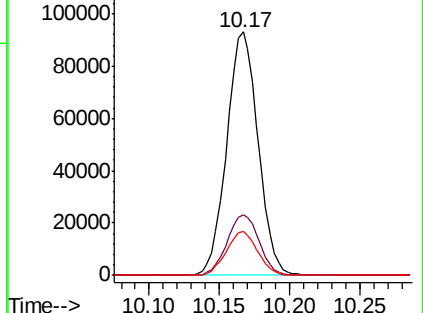
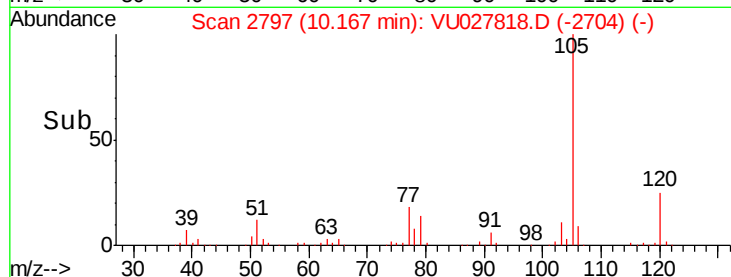
77 17.9 13.7 20.5



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: 50.253 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

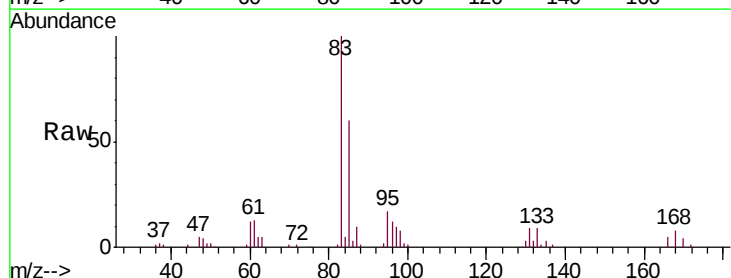
Tgt Ion: 83 Resp: 54982

Ion Ratio Lower Upper

83 100

85 60.4 44.6 82.8

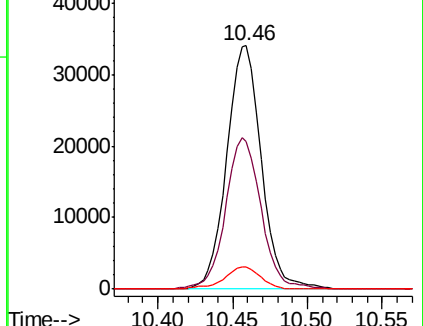
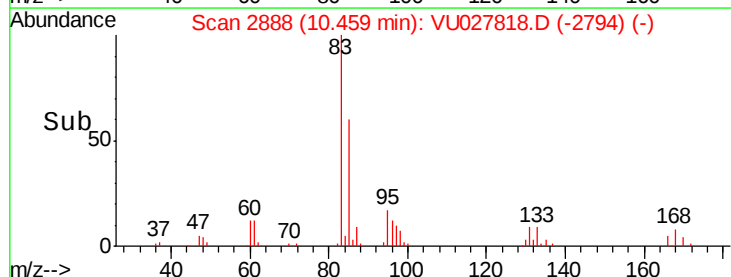
131 8.9 6.9 10.3

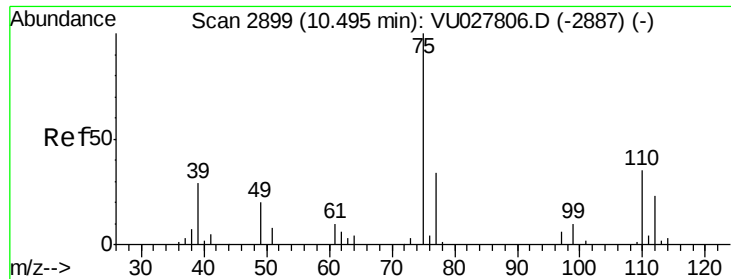


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.635 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

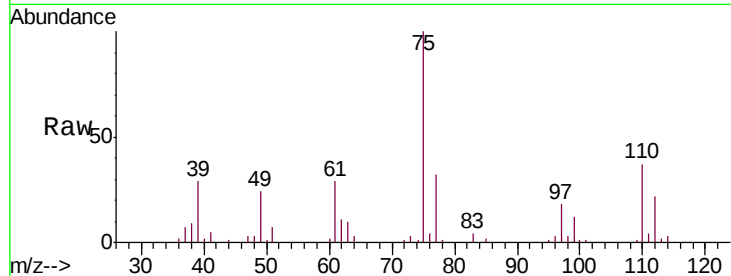
VSTD05033

Tgt Ion: 75 Resp: 44574

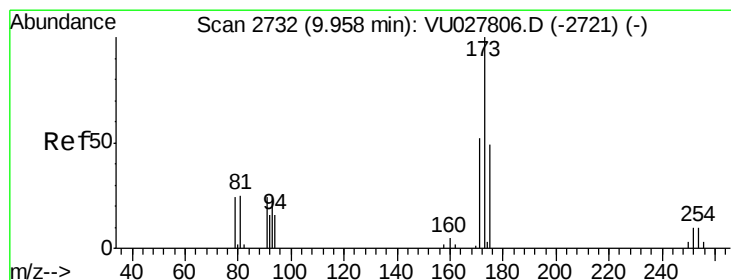
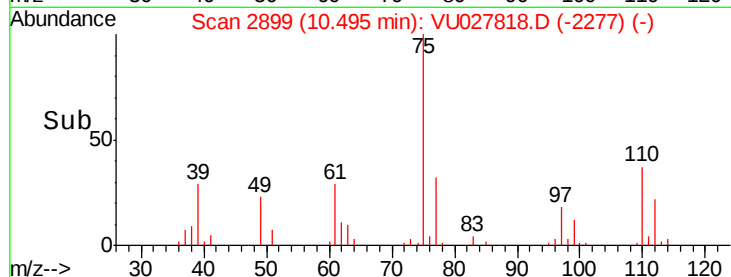
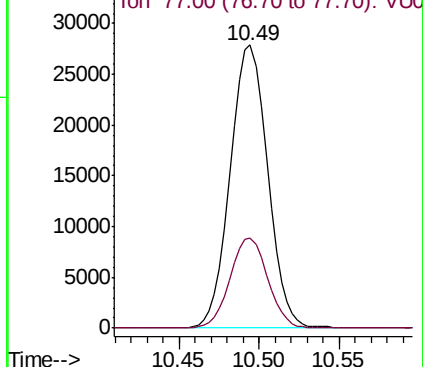
Ion Ratio Lower Upper

75 100

77 31.8 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU027806.D (-2887) (-)



#61

Bromoform

Concen: 45.856 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

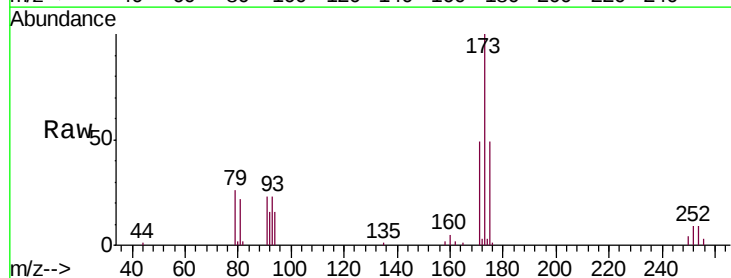
Tgt Ion: 173 Resp: 26485

Ion Ratio Lower Upper

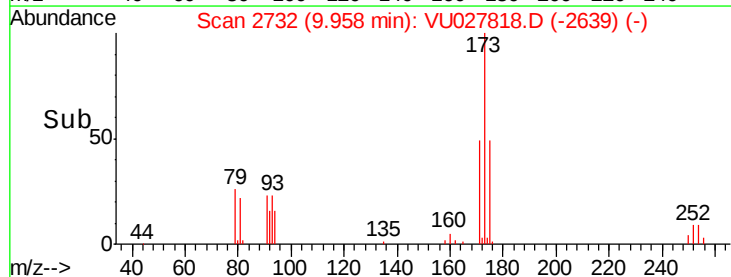
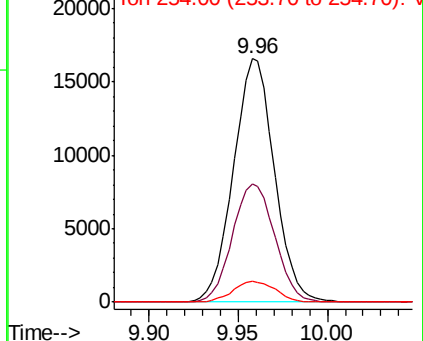
173 100

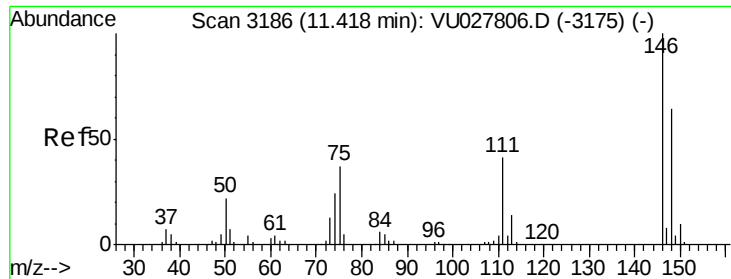
175 50.0 38.6 58.0

254 8.9 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): VU027806.D (-2721) (-)

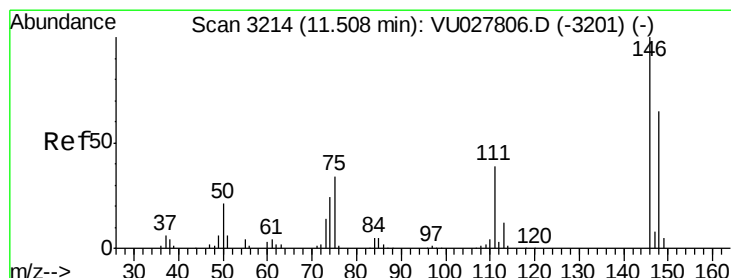
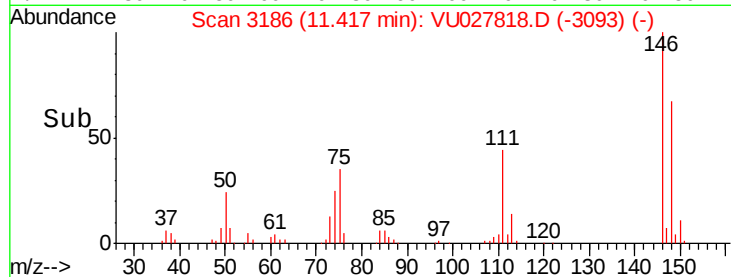
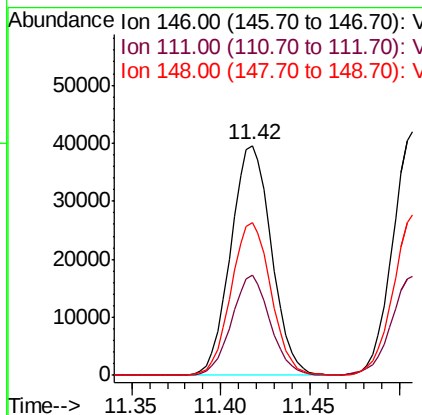
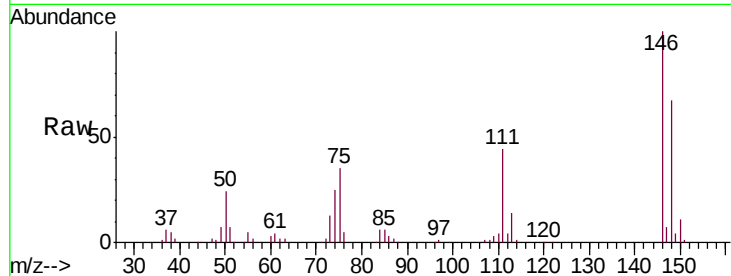




#62
 1,3-Dichlorobenzene
 Concen: 48.546 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

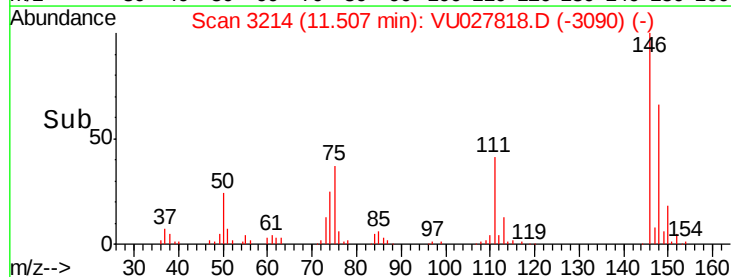
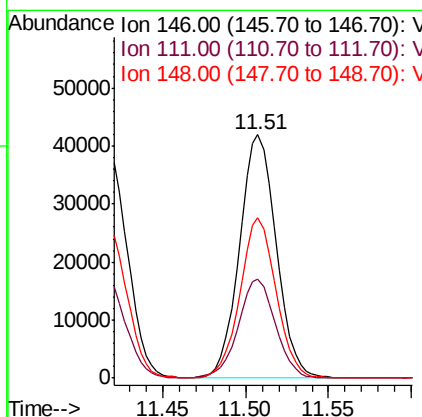
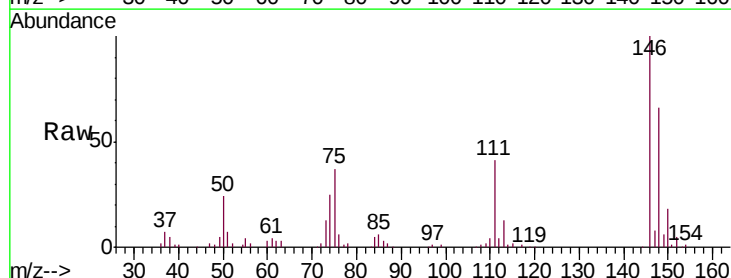
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

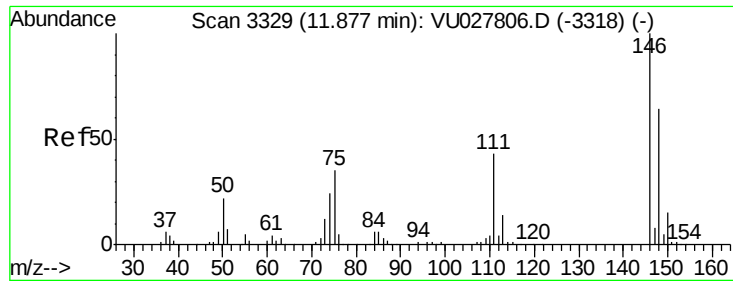
Tgt Ion:146 Resp: 63070
 Ion Ratio Lower Upper
 146 100
 111 43.7 28.1 52.3
 148 66.6 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 48.742 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

Tgt Ion:146 Resp: 64570
 Ion Ratio Lower Upper
 146 100
 111 40.7 27.5 51.1
 148 66.1 44.1 81.9

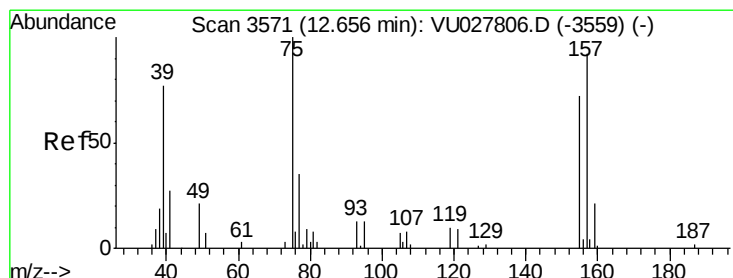
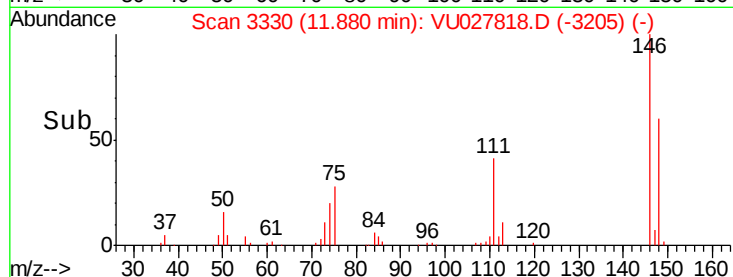
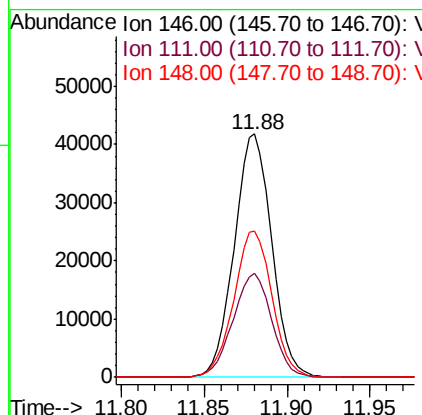
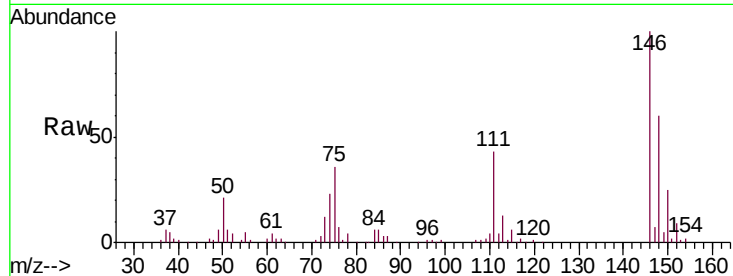




#65
 1,2-Dichlorobenzene
 Concen: 49.195 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

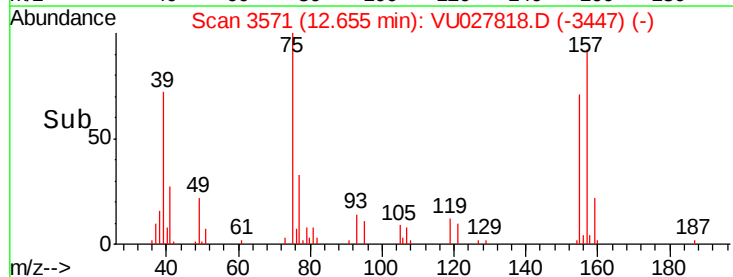
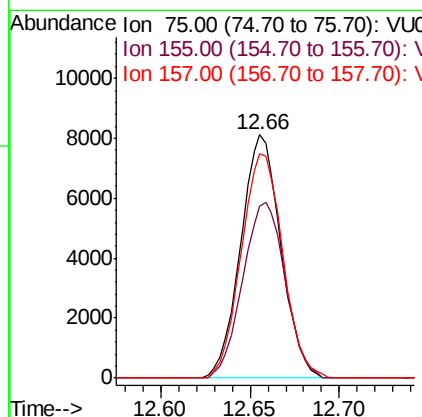
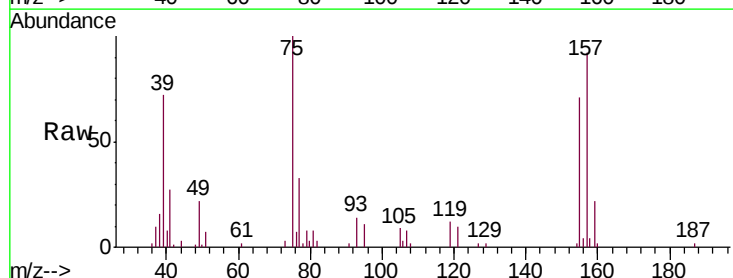
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

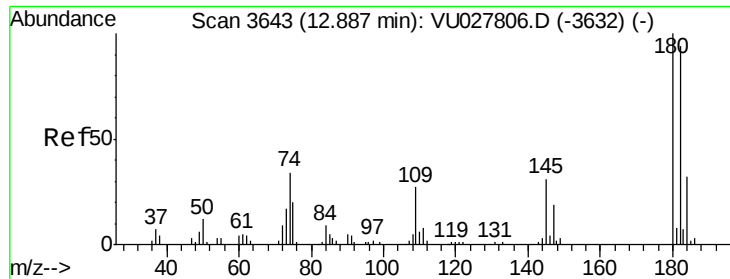
Tgt Ion: 146 Resp: 65737
 Ion Ratio Lower Upper
 146 100
 111 42.6 33.8 50.8
 148 60.3 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.511 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

Tgt Ion: 75 Resp: 12672
 Ion Ratio Lower Upper
 75 100
 155 70.8 57.4 86.2
 157 92.3 75.9 113.9

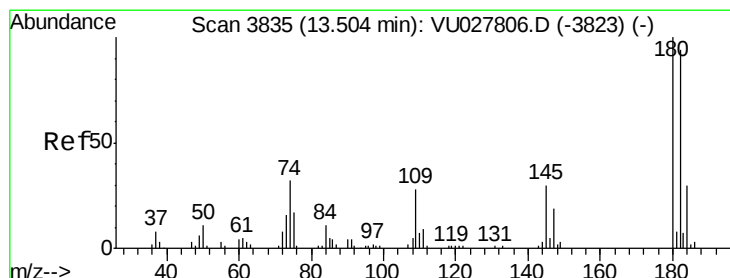
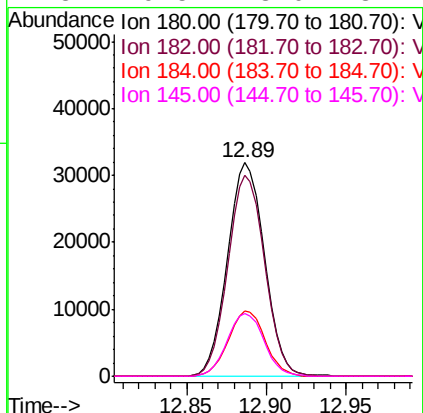
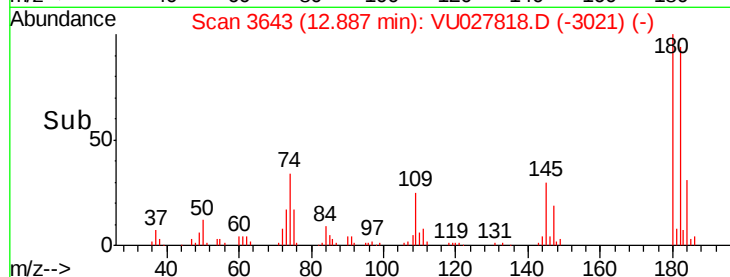
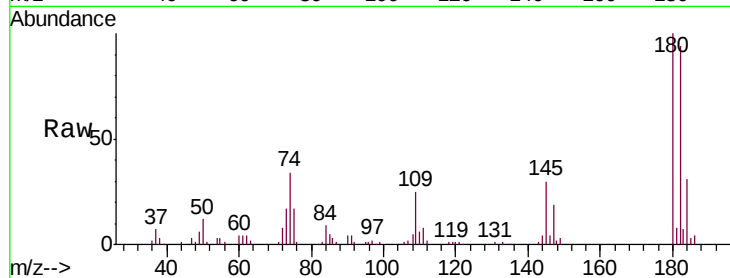




#67
 1,3,5-Trichlorobenzene
 Concen: 49.980 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

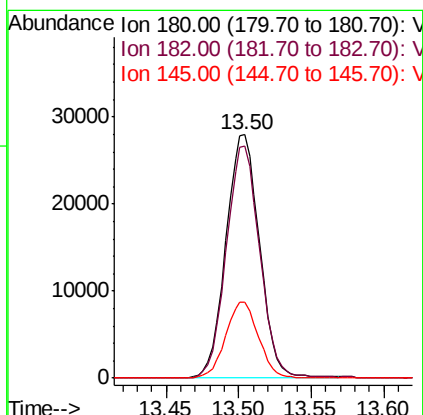
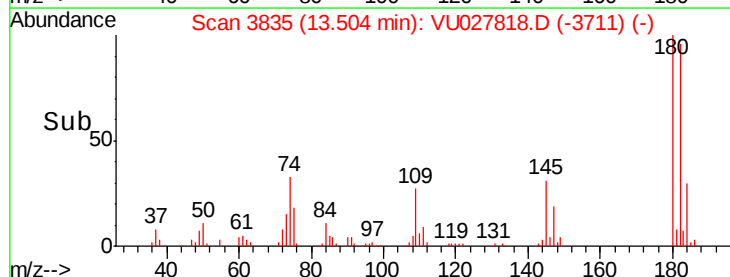
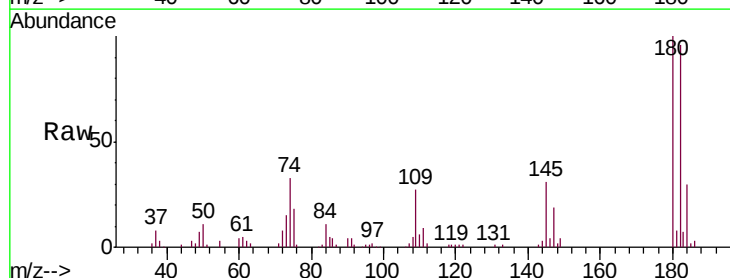
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05033

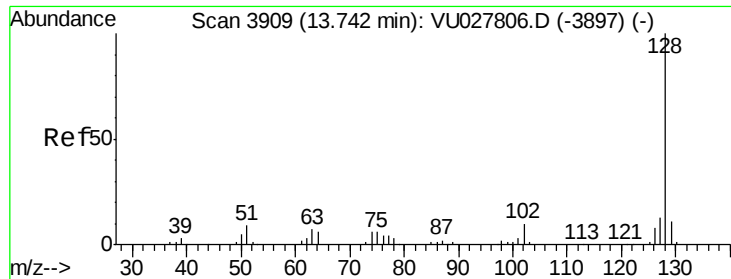
Tgt Ion:180 Resp: 50220
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.9 113.9
 184 30.3 24.7 37.1
 145 29.5 23.0 34.4



#68
 1,2,4-trichlorobenzene
 Concen: 50.553 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027818.D
 Acq: 26 Oct 2018 08:20

Tgt Ion:180 Resp: 45095
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.1 115.7
 145 30.3 23.4 35.0





#69

Naphthalene

Concen: 48.821 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

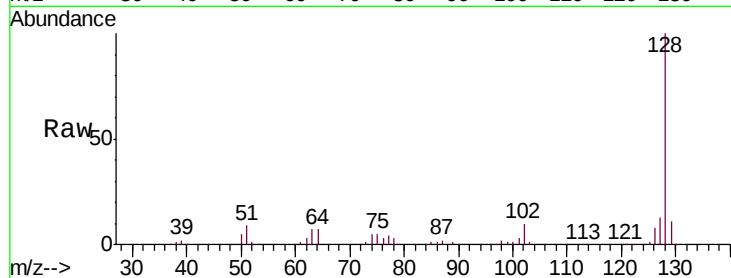
Tgt Ion:128 Resp: 140657

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

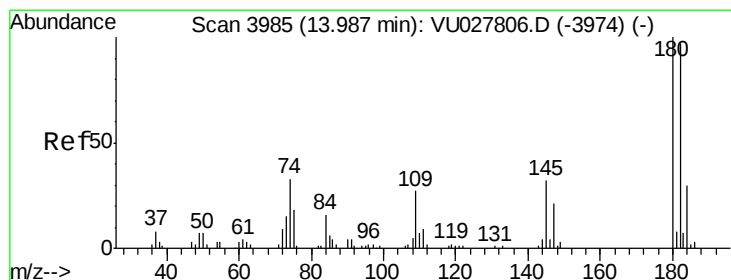
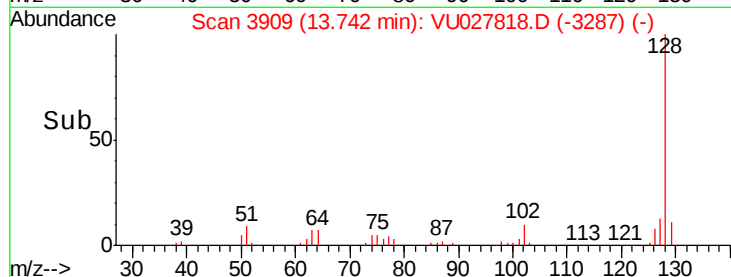
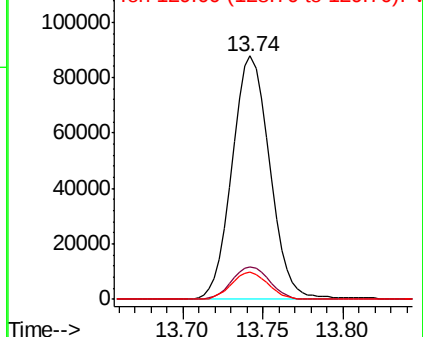
129 10.9 8.7 13.1



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: 49.336 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027818.D

Acq: 26 Oct 2018 08:20

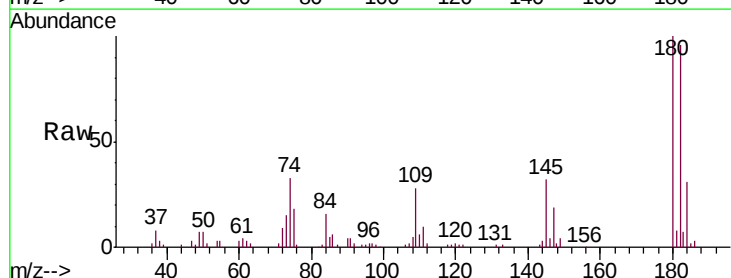
Tgt Ion:180 Resp: 45995

Ion Ratio Lower Upper

180 100

182 96.8 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

