

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090818\
 Data File : VU026632.D
 Acq On : 07 Sep 2018 20:43
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Sep 08 01:23:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 08 01:21:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	161013	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	154115	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76091	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50454	50.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.16%
7) Chloroethane-d5	1.68	69	44586	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.98%
11) 1,1-Dichloroethene-d2	2.27	63	100104	44.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.12%
21) 2-Butanone-d5	4.18	46	86430	111.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.63%
24) Chloroform-d	4.65	84	100002	53.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.14%
26) 1,2-Dichloroethane-d4	5.31	65	63311	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.94%
32) Benzene-d6	5.34	84	189904	53.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.92%
36) 1,2-Dichloropropane-d6	6.33	67	65442	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.26%
41) Toluene-d8	7.57	98	175459	51.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.34%
43) trans-1,3-Dichloropropene-	7.85	79	29048	52.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.26%
47) 2-Hexanone-d5	8.31	63	63662	113.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.75%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	97023	53.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	72599	52.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	63665	50.710	ug/L 99
3) Chloromethane	1.33	50	77183	49.789	ug/L 99
5) Vinyl chloride	1.40	62	82710	49.215	ug/L 100
6) Bromomethane	1.62	94	42588	42.745	ug/L 99
8) Chloroethane	1.70	64	50373	49.922	ug/L 99
9) Trichlorofluoromethane	1.88	101	104925	49.098	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	57808	48.479	ug/L 98
12) 1,1-Dichloroethene	2.28	96	53599	46.636	ug/L 89
13) Acetone	2.32	43	63969	95.412	ug/L 96
14) Carbon disulfide	2.48	76	160000	49.194	ug/L 99
15) Methyl Acetate	2.62	43	74460	56.561	ug/L 100
16) Methylene chloride	2.70	84	64653	54.715	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	55513	53.401	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	181875	57.633	ug/L 99
19) 1,1-Dichloroethane	3.45	63	114376	55.994	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	64933	55.758	ug/L 97
22) 2-Butanone	4.26	43	100221	111.210	ug/L 99

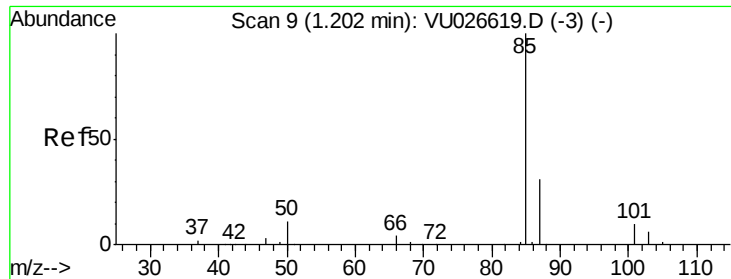
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	33276	55.462	uq/L	97
25) Chloroform	4.67	83	114656	54.963	uq/L	99
27) 1,2-Dichloroethane	5.41	62	91653	54.477	uq/L	98
29) Cyclohexane	5.00	56	94878	56.503	uq/L	99
30) 1,1,1-Trichloroethane	4.92	97	94064	55.464	uq/L	99
31) Carbon tetrachloride	5.13	117	84714	54.975	uq/L	100
33) Benzene	5.39	78	250388	56.671	uq/L	100
34) Trichloroethene	6.19	95	60260	54.374	uq/L	99
35) Methylcyclohexane	6.42	83	95926	55.433	uq/L	100
37) 1,2-Dichloropropane	6.44	63	72074	58.925	uq/L	100
38) Bromodichloromethane	6.76	83	86396	55.389	uq/L	98
39) cis-1,3-Dichloropropene	7.27	75	98351	56.431	uq/L	98
40) 4-Methyl-2-pentanone	7.46	43	193314	117.190	uq/L	99
42) Toluene	7.64	91	261459	56.712	uq/L	97
44) trans-1,3-Dichloropropene	7.88	75	93032	56.004	uq/L	99
45) 1,1,2-Trichloroethane	8.07	97	64215	57.308	uq/L	99
46) Tetrachloroethene	8.23	164	49707	54.860	uq/L	98
48) 2-Hexanone	8.36	43	152890	117.682	uq/L	100
49) Dibromochloromethane	8.48	129	71778	56.851	uq/L	96
50) 1,2-Dibromoethane	8.59	107	65997	55.310	uq/L	96
51) Chlorobenzene	9.12	112	167194	54.231	uq/L	100
52) Ethylbenzene	9.25	91	277981	55.439	uq/L	100
53) m,p-Xylene	9.38	106	105508	56.354	uq/L	99
54) o-xylene	9.78	106	105330	57.690	uq/L	98
55) Styrene	9.79	104	181115	56.785	uq/L	96
56) Isopropylbenzene	10.17	105	269950	56.483	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	110529	55.998	uq/L	97
59) 1,2,3-Trichloropropane	10.49	75	86159	56.452	uq/L	99
61) Bromoform	9.96	173	54742	58.290	uq/L	99
62) 1,3-Dichlorobenzene	11.42	146	123555	55.490	uq/L	100
63) 1,4-Dichlorobenzene	11.51	146	126233	53.601	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	135077	57.516	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	22915	58.027	uq/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	97032	54.000	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	83072	52.930	uq/L	100
69) Naphthalene	13.74	128	282743	57.699	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	96684	56.103	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.710 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

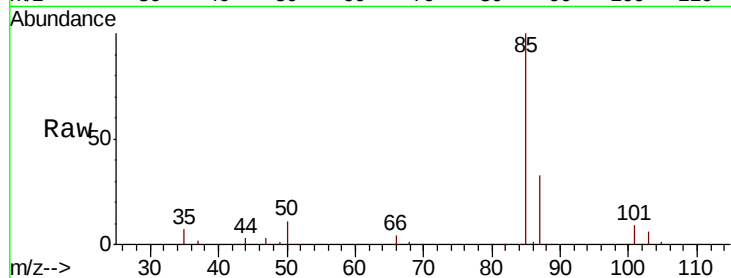
VSTD05044

Tot Ion: 85 Resp: 63665

Ion Ratio Lower Upper

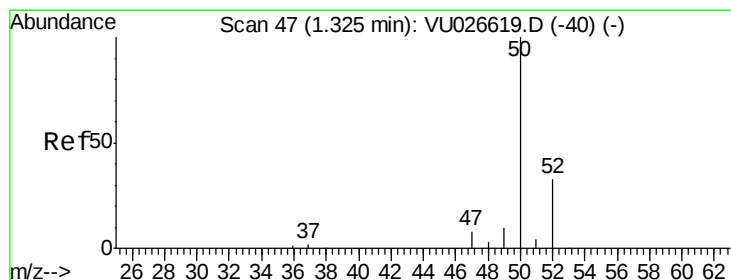
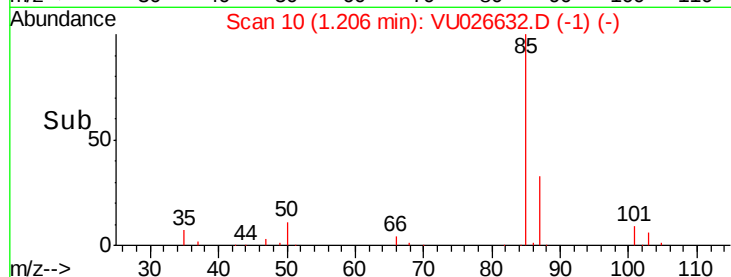
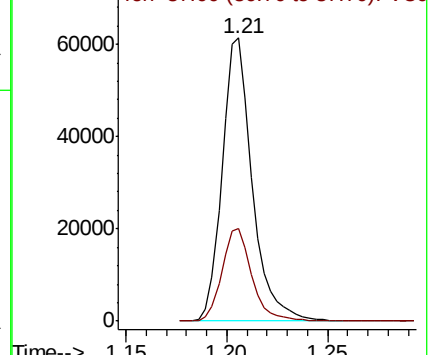
85 100

87 32.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 49.789 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026632.D

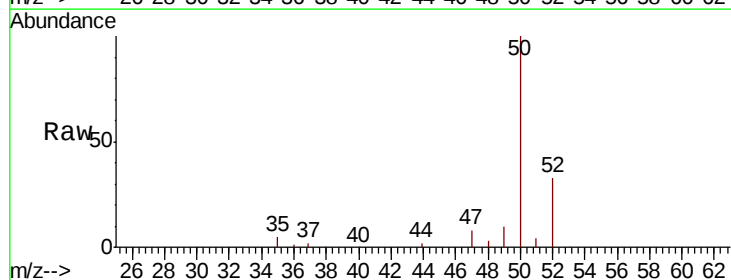
Acq: 07 Sep 2018 20:43

Tgt Ion: 50 Resp: 77183

Ion Ratio Lower Upper

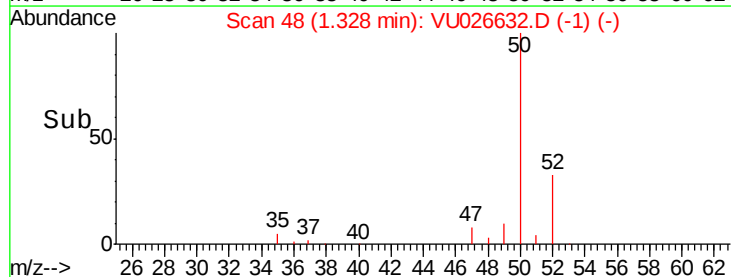
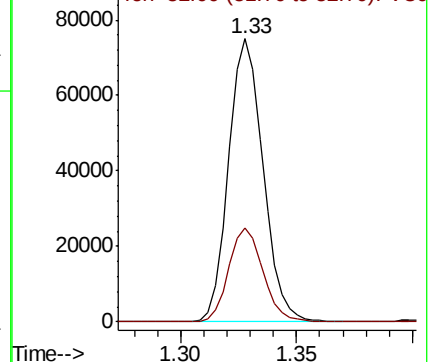
50 100

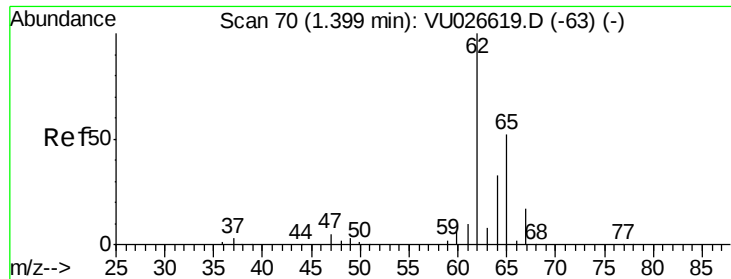
52 33.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.215 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

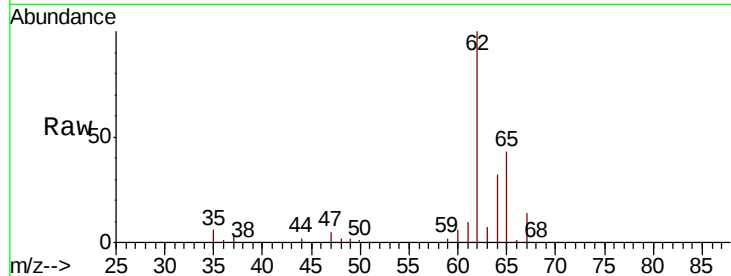
VSTD05044

Tot Ion: 62 Resp: 82710

Ion Ratio Lower Upper

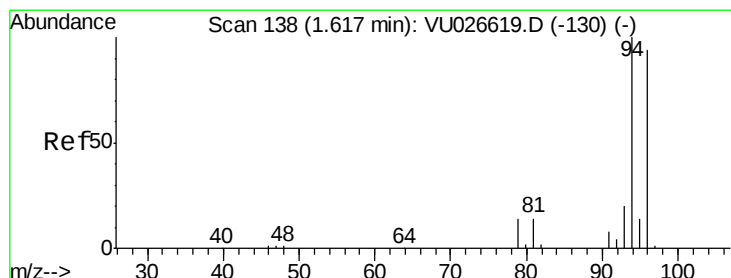
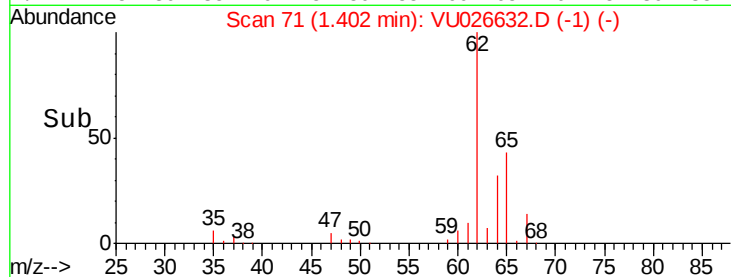
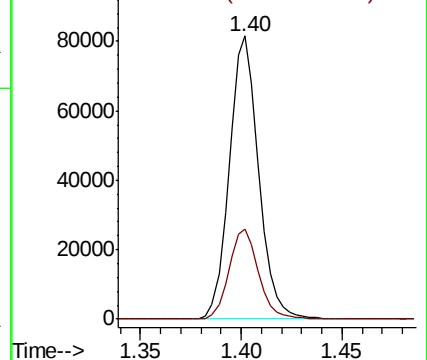
62 100

64 31.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 42.745 ug/L

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU026632.D

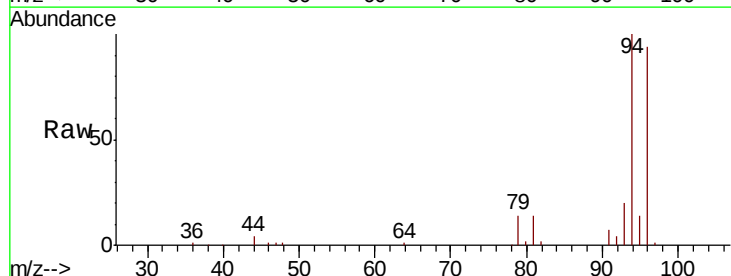
Acq: 07 Sep 2018 20:43

Tgt Ion: 94 Resp: 42588

Ion Ratio Lower Upper

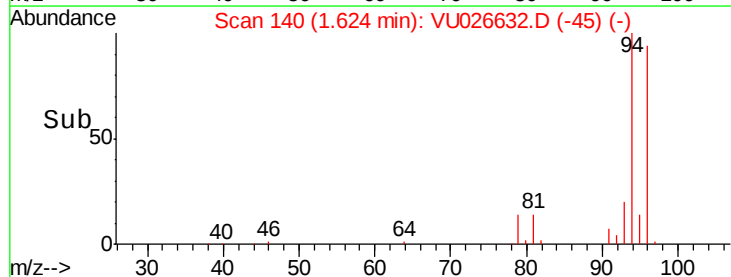
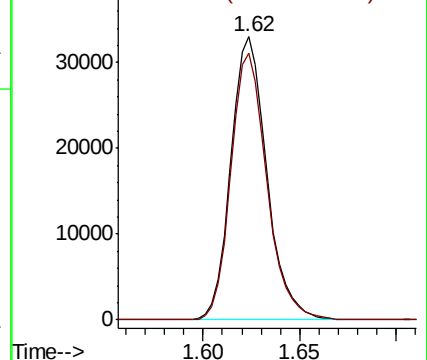
94 100

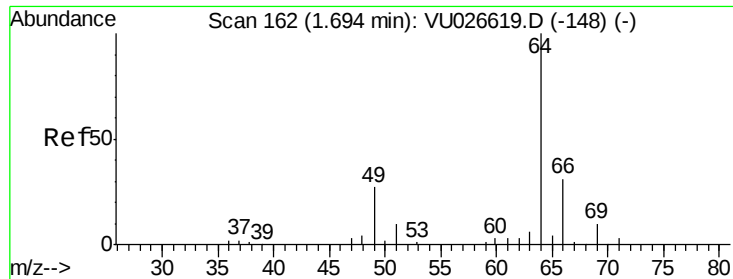
96 94.4 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 49.922 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

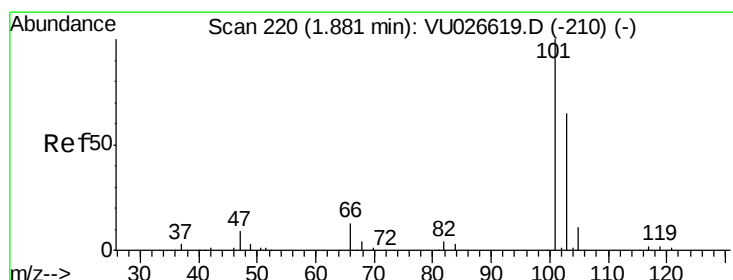
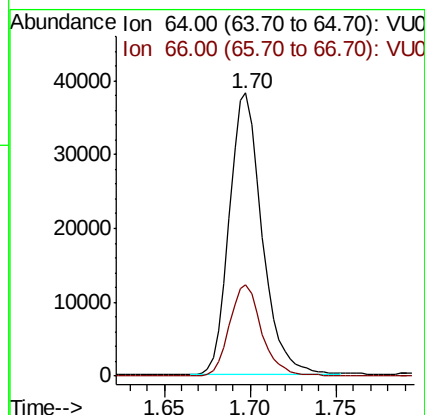
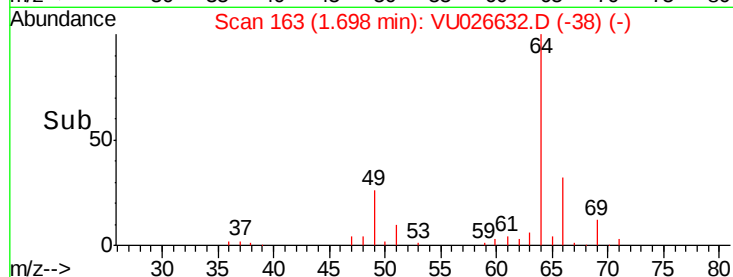
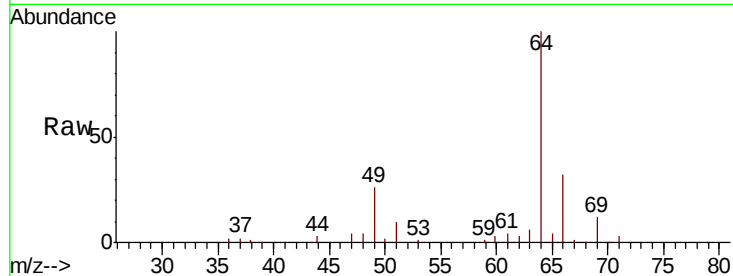
VSTD05044

Tot Ion: 64 Resp: 50373

Ion Ratio Lower Upper

64 100

66 32.4 22.2 41.2



#9

Trichlorofluoromethane

Concen: 49.098 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU026632.D

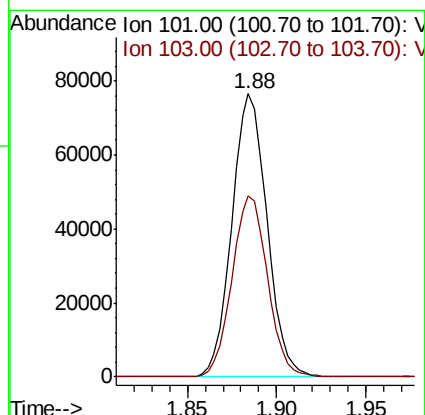
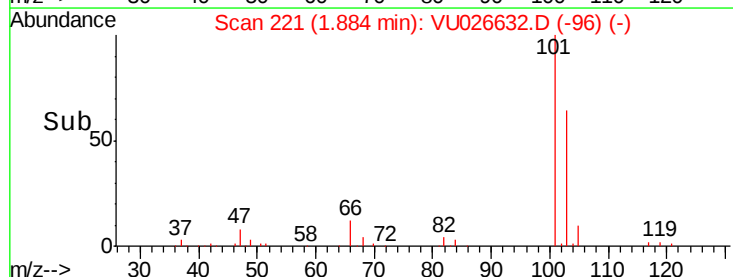
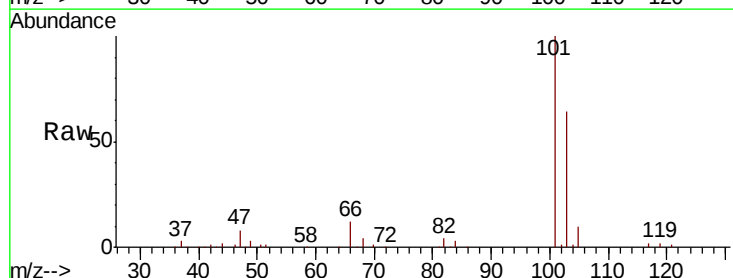
Acq: 07 Sep 2018 20:43

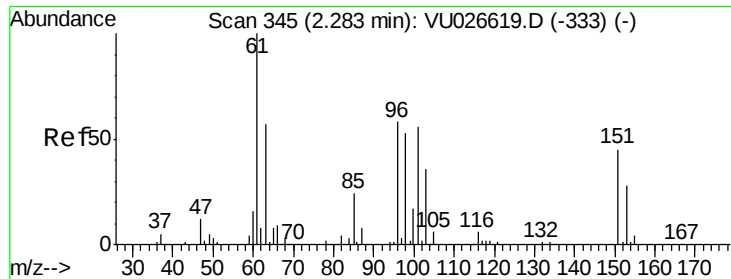
Tgt Ion:101 Resp: 104925

Ion Ratio Lower Upper

101 100

103 64.7 52.7 79.1





#10

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

Concen: 48.479 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

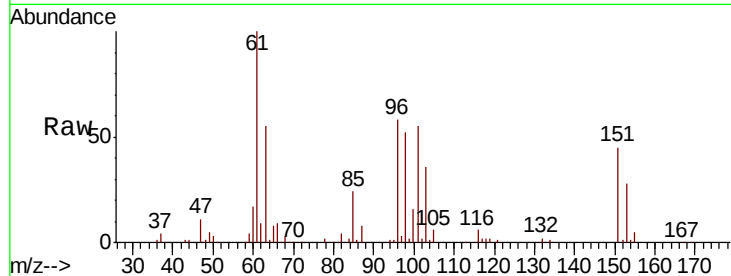
Tot Ion:101 Resp: 57808

Ion Ratio Lower Upper

101 100

85 42.6 35.3 52.9

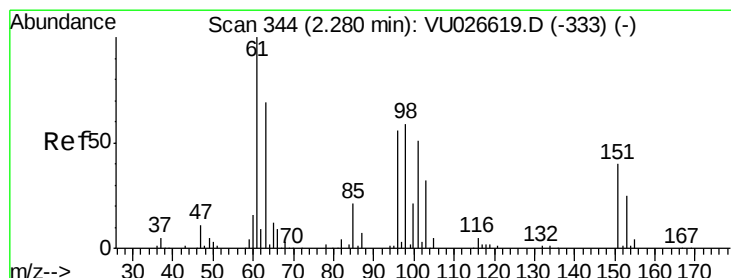
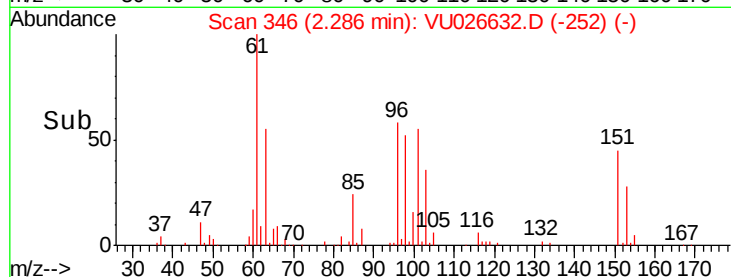
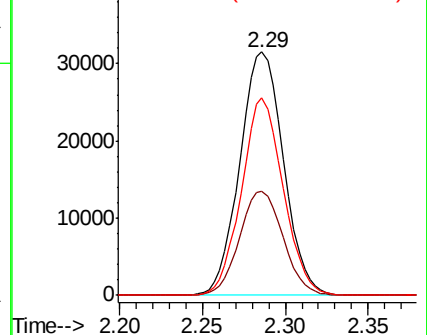
151 77.2 60.7 91.1



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: 46.636 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

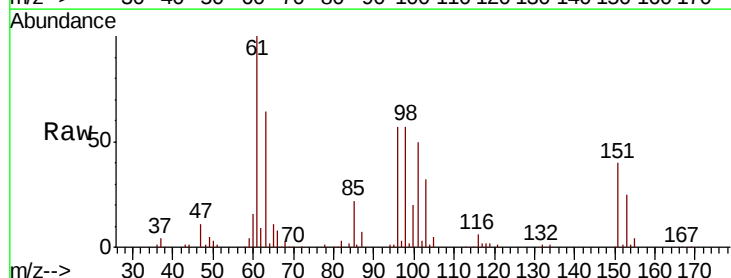
Tgt Ion: 96 Resp: 53599

Ion Ratio Lower Upper

96 100

61 174.4 129.3 240.1

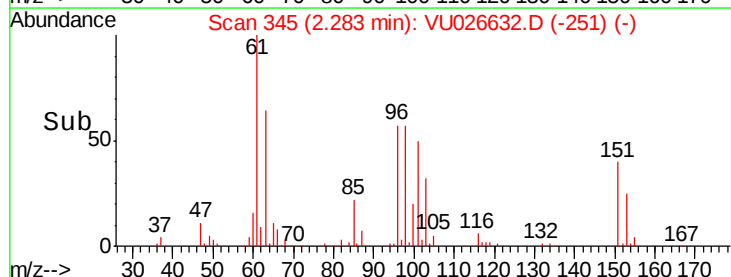
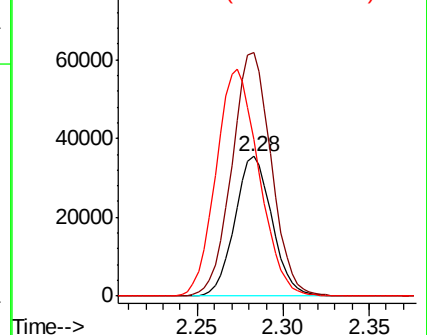
63 111.9 91.7 170.3

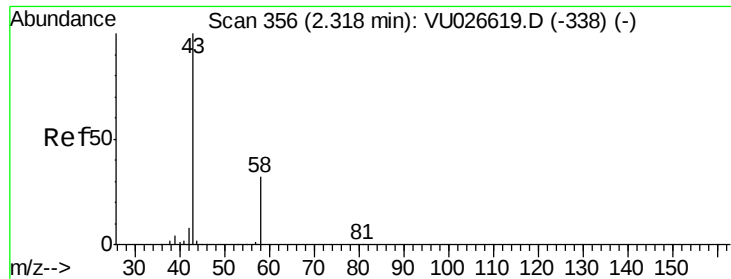


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.412 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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Acq: 07 Sep 2018 20:43

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ClientSampleId :

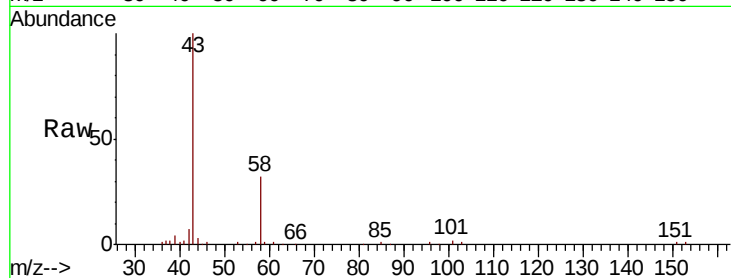
VSTD05044

Tot Ion: 43 Resp: 63969

Ion Ratio Lower Upper

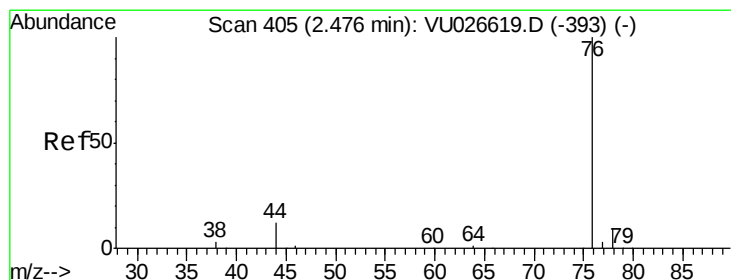
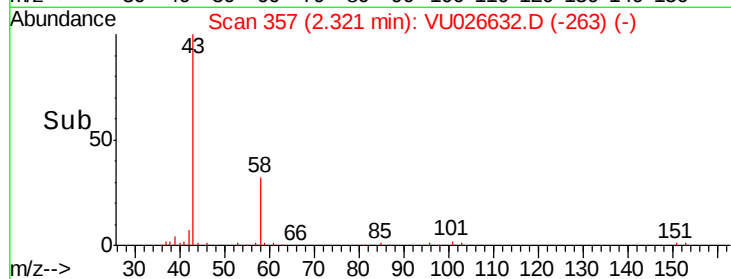
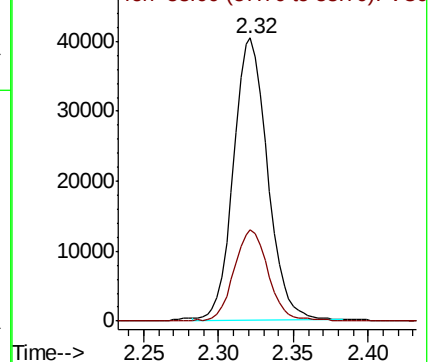
43 100

58 32.8 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 49.194 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026632.D

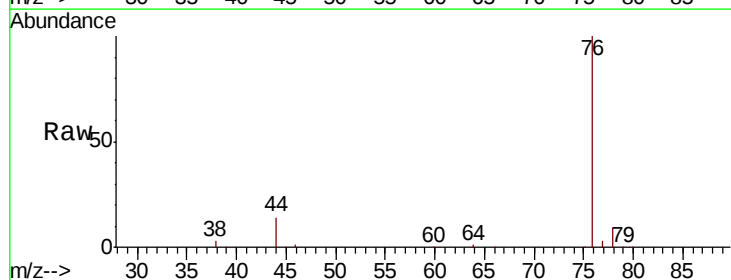
Acq: 07 Sep 2018 20:43

Tgt Ion: 76 Resp: 160000

Ion Ratio Lower Upper

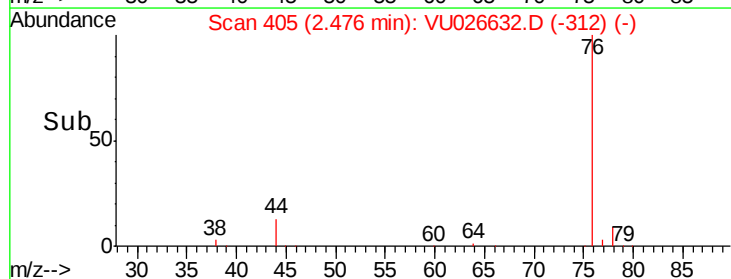
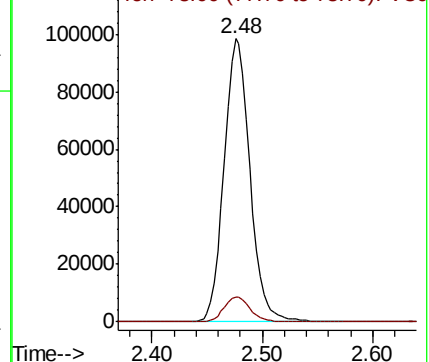
76 100

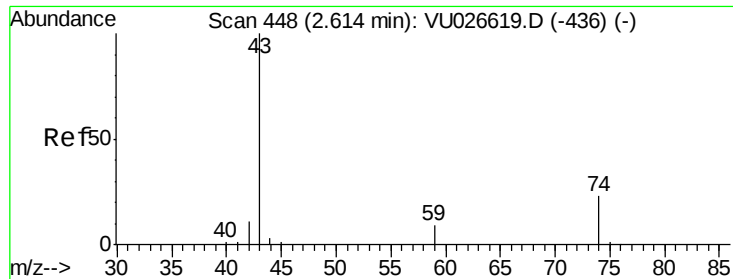
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

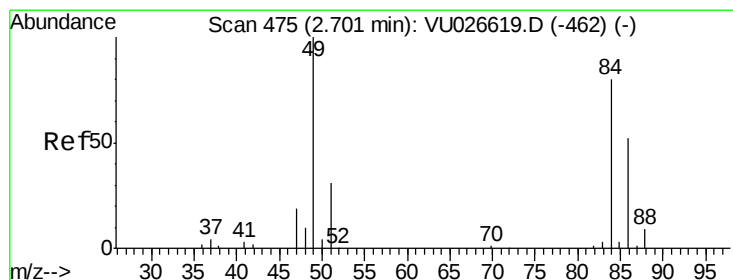
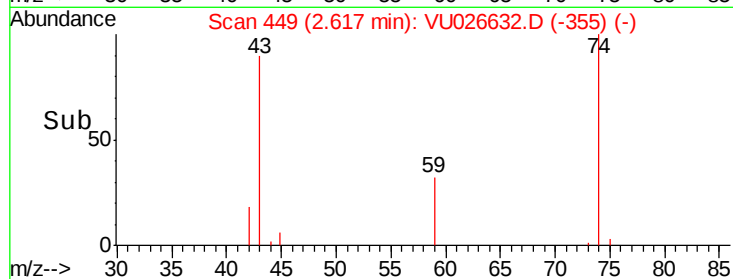
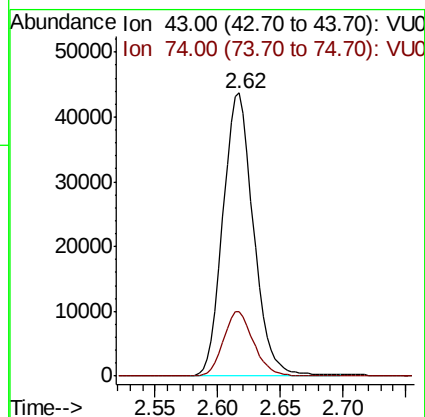
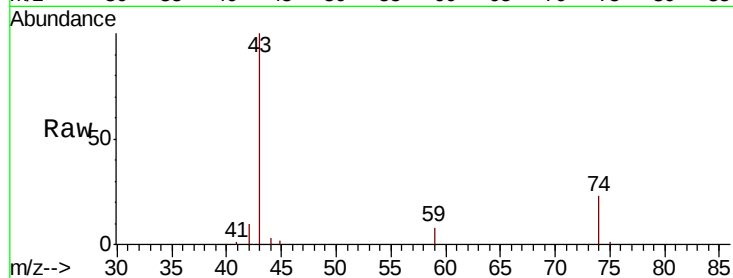




#15
Methyl Acetate
Concen: 56.561 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

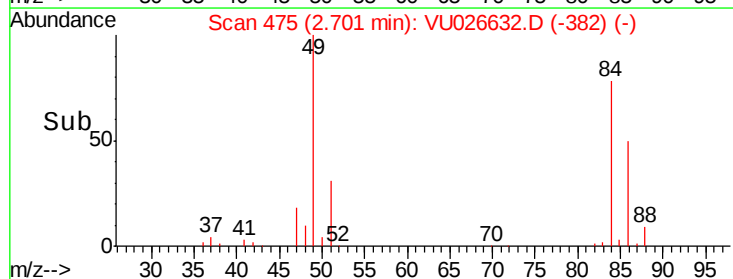
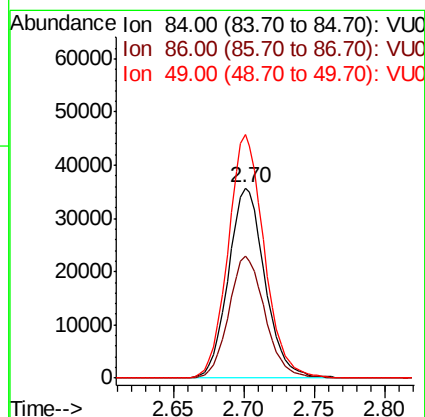
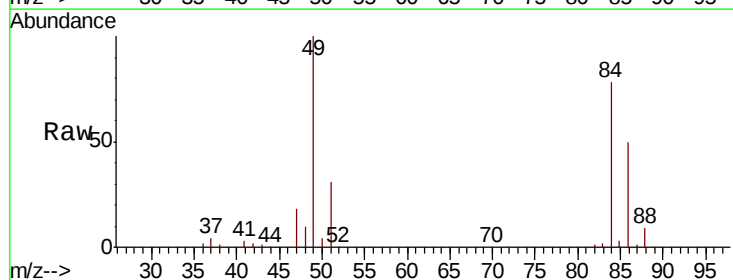
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

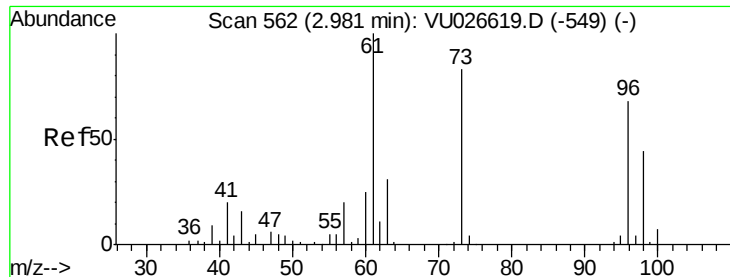
Tot Ion: 43 Resp: 74460
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.6



#16
Methylene chloride
Concen: 54.715 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

Tgt Ion: 84 Resp: 64653
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 128.1 88.2 163.8

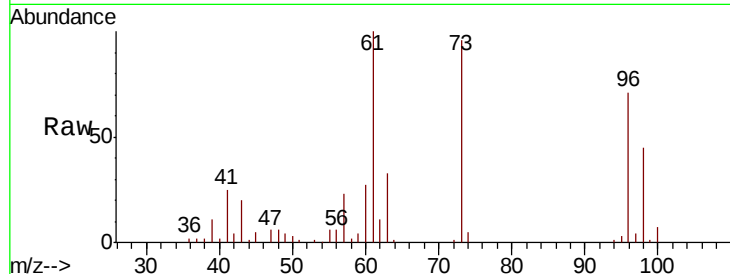




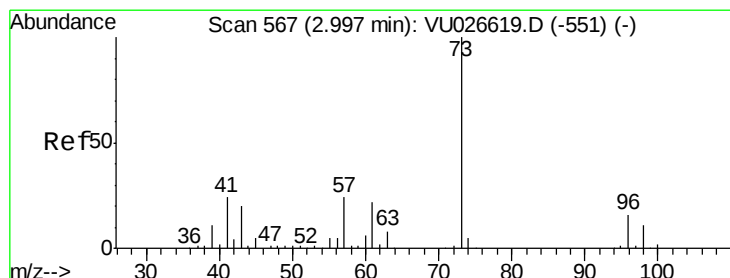
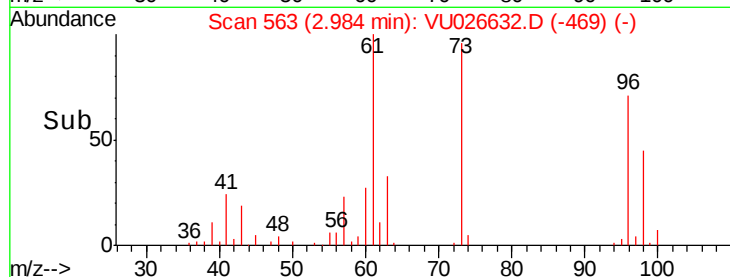
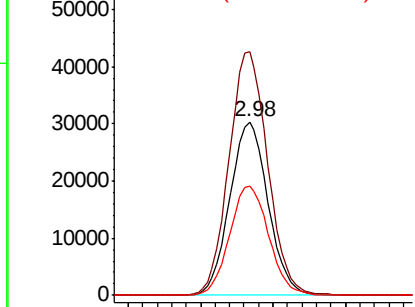
#17
trans-1,2-Dichloroethene
Concen: 53.401 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

Tot Ion: 96 Resp: 55513
Ion Ratio Lower Upper
96 100
61 140.6 103.2 191.6
98 62.8 44.9 83.3

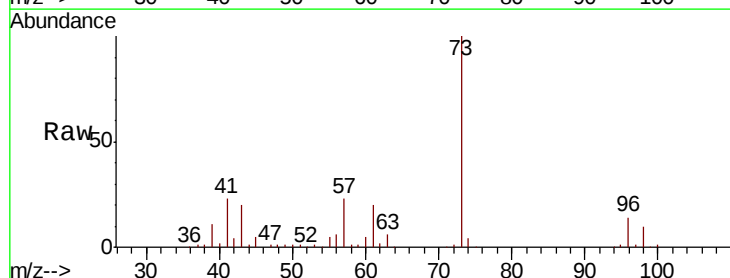


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

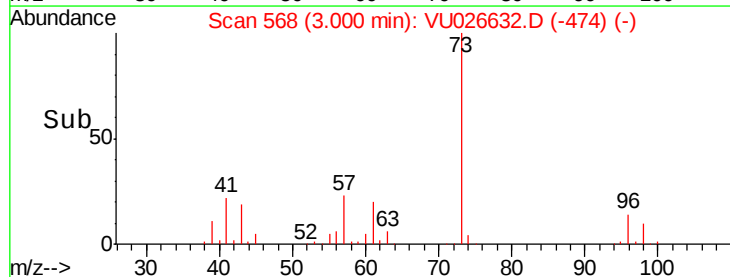
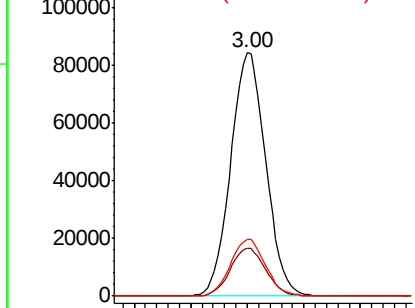


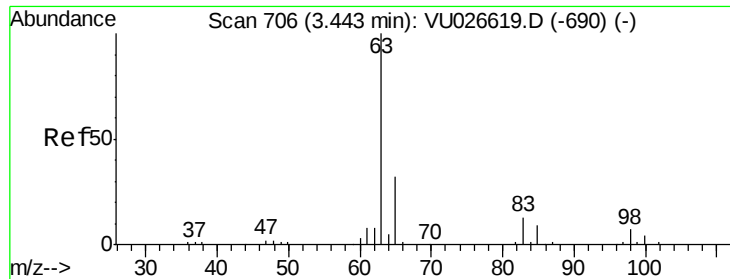
#18
Methyl tert-butyl Ether
Concen: 57.633 ug/L
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

Tgt Ion: 73 Resp: 181875
Ion Ratio Lower Upper
73 100
43 20.0 16.6 25.0
57 23.2 18.2 27.2



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: 55.994 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

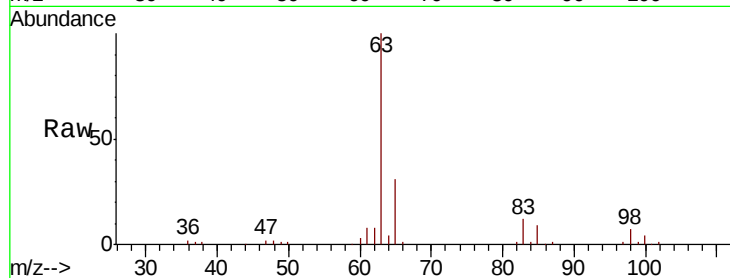
Tot Ion: 63 Resp: 114376

Ion Ratio Lower Upper

63 100

65 31.0 21.6 40.2

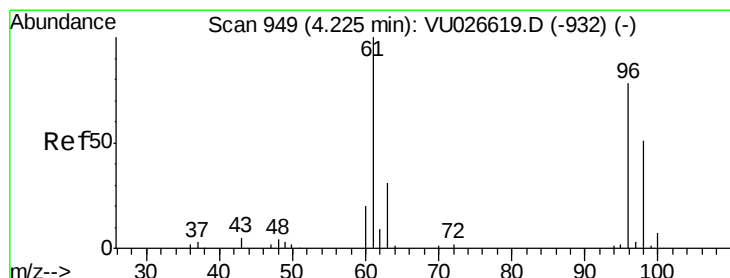
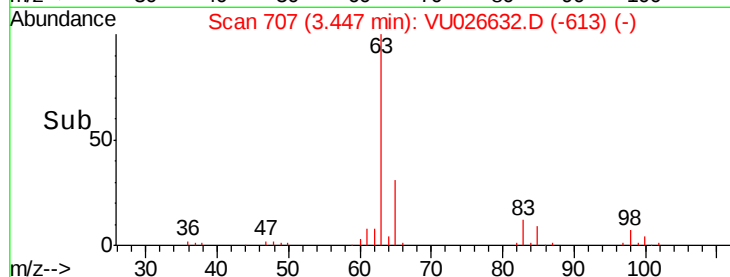
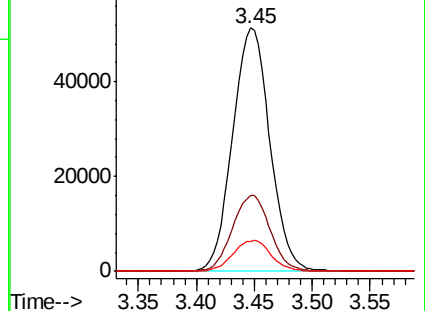
83 12.4 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 55.758 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

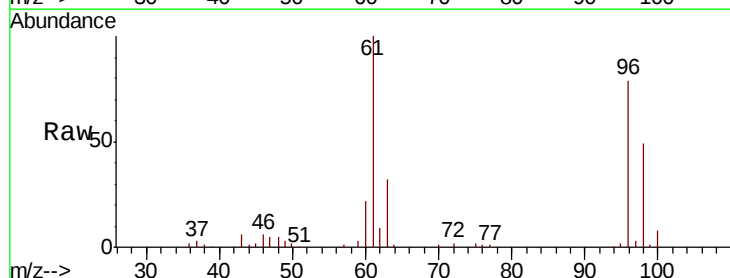
Tgt Ion: 96 Resp: 64933

Ion Ratio Lower Upper

96 100

61 127.3 91.6 170.2

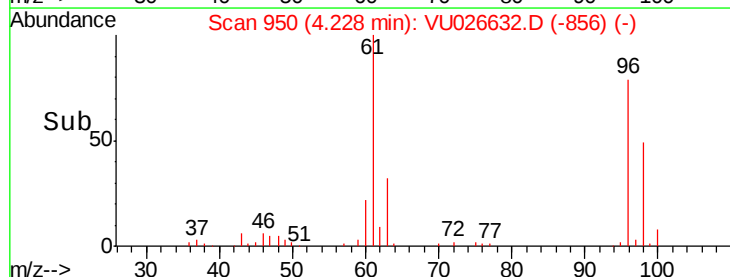
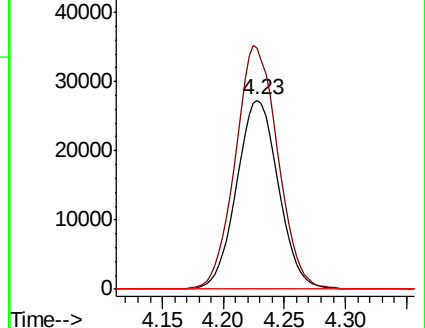
68 0.0 0.0 0.0

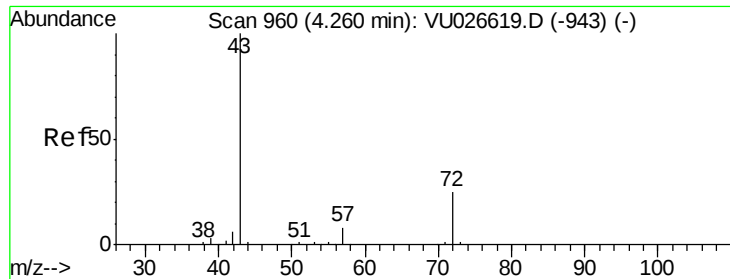


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 111.210 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

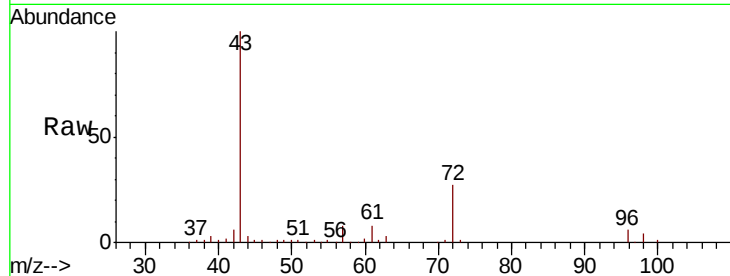
VSTD05044

Tot Ion: 43 Resp: 100221

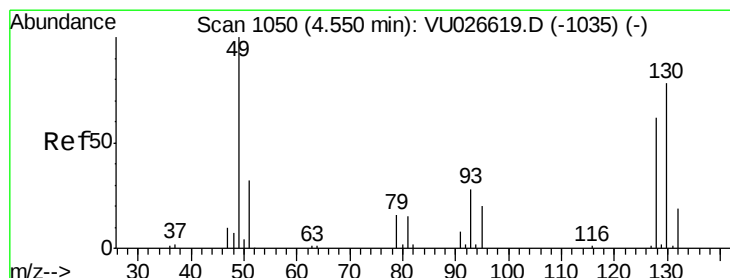
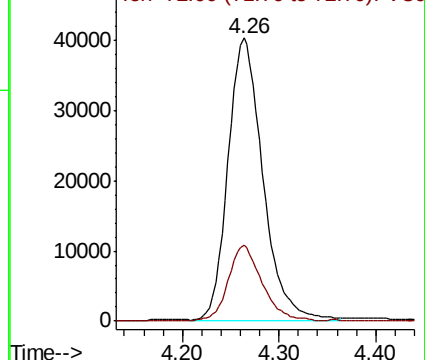
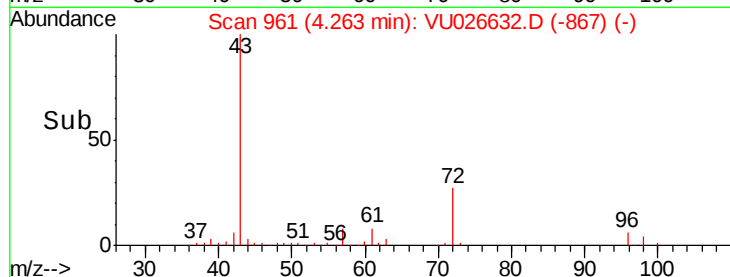
Ion Ratio Lower Upper

43 100

72 26.3 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026632.D (-967) (-)



#23

Bromochloromethane

Concen: 55.462 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Tgt Ion:128 Resp: 33276

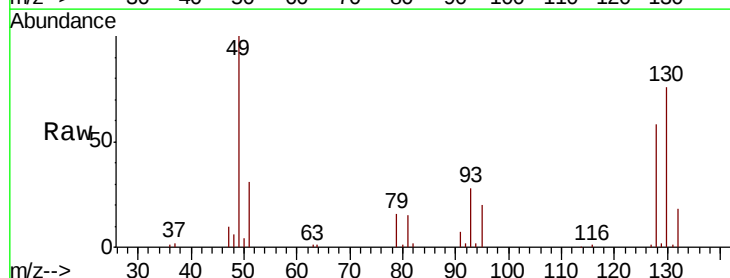
Ion Ratio Lower Upper

128 100

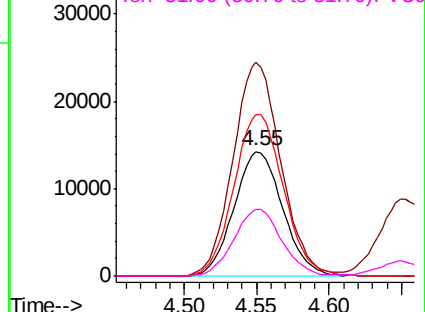
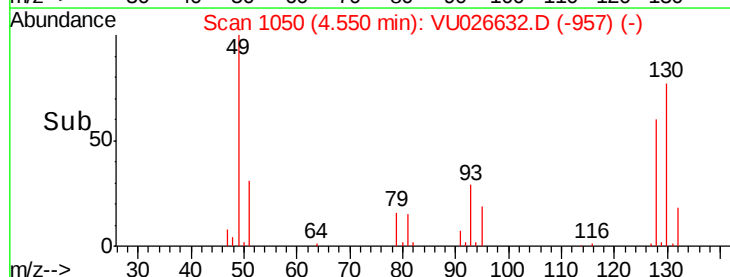
49 171.1 121.2 225.0

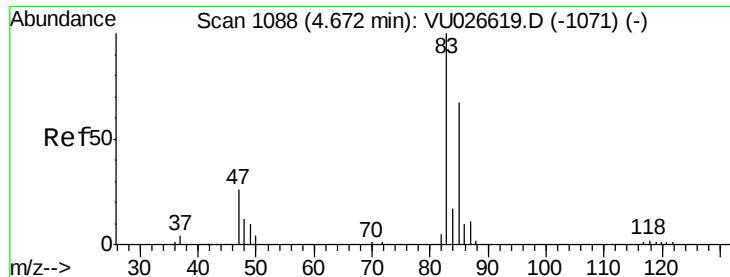
130 129.4 94.1 174.7

51 53.4 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026632.D (-957) (-)

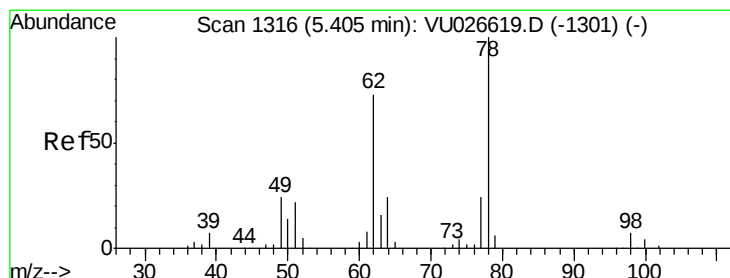
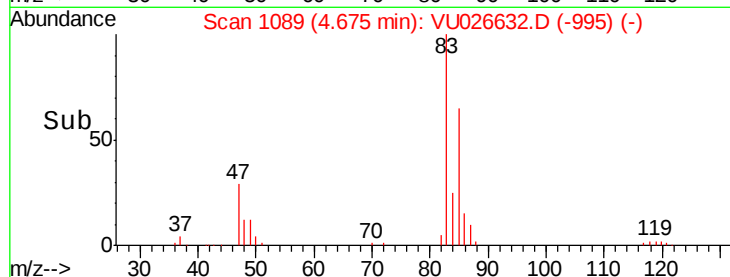
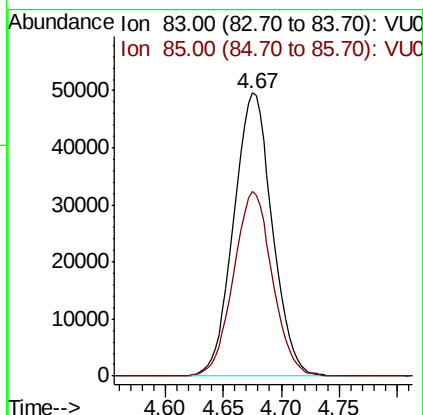
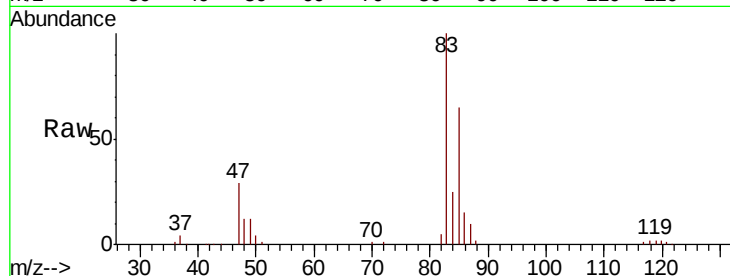




#25
Chloroform
Concen: 54.963 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

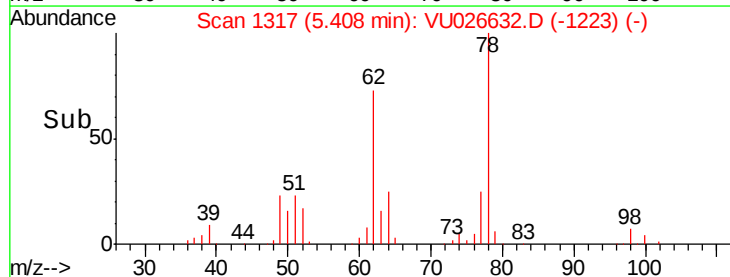
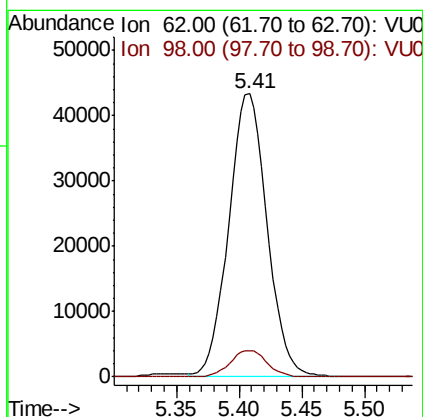
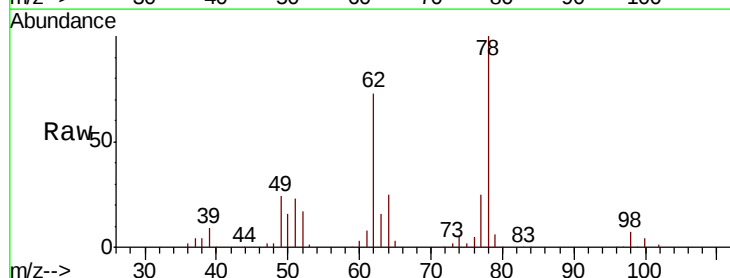
Instrument :
MSVOA_U
ClientSampled :
VSTD05044

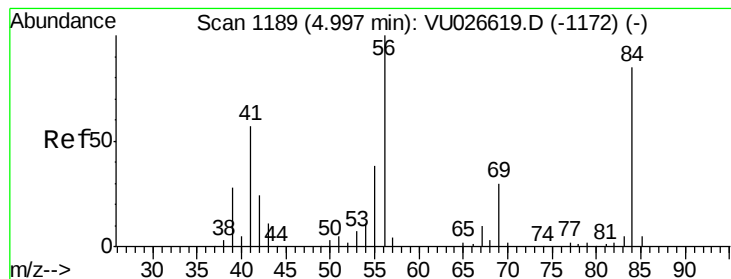
Tot Ion: 83 Resp: 114656
Ion Ratio Lower Upper
83 100
85 65.4 46.5 86.5



#27
1,2-Dichloroethane
Concen: 54.477 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

Tgt Ion: 62 Resp: 91653
Ion Ratio Lower Upper
62 100
98 9.3 6.8 10.2





#29

Cyclohexane

Concen: 56.503 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

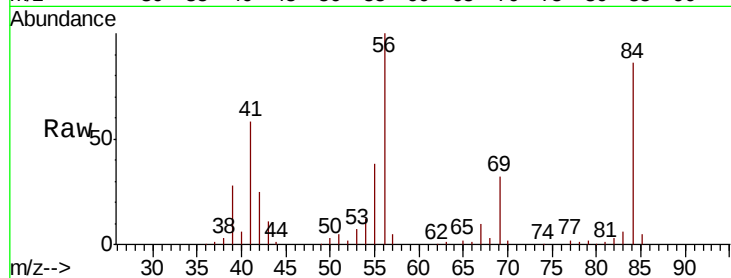
Tot Ion: 56 Resp: 94878

Ion Ratio Lower Upper

56 100

69 29.6 24.0 36.0

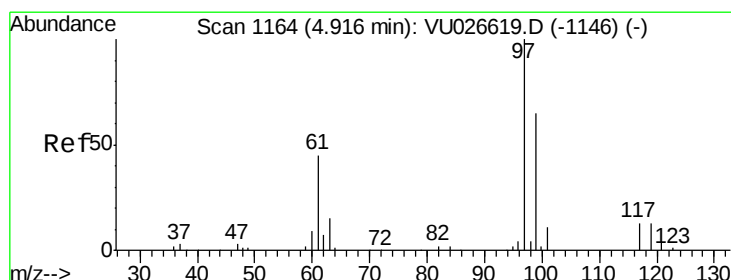
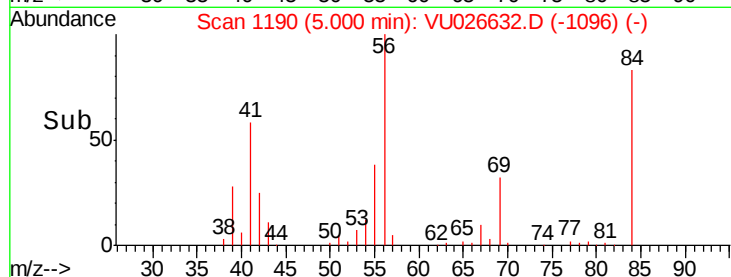
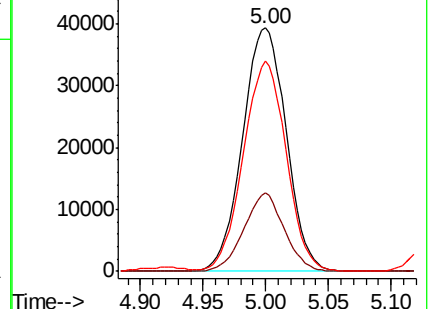
84 84.9 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 55.464 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

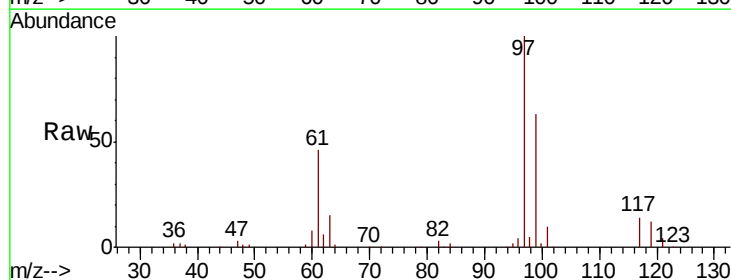
Tgt Ion: 97 Resp: 94064

Ion Ratio Lower Upper

97 100

99 65.9 51.6 77.4

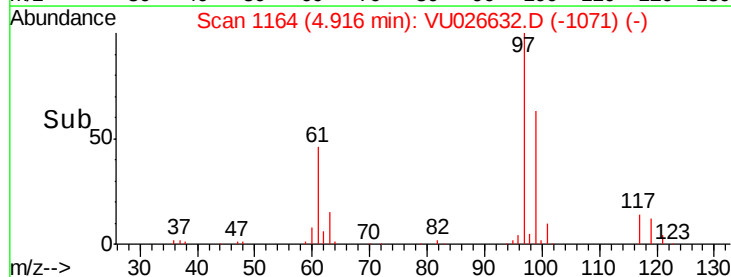
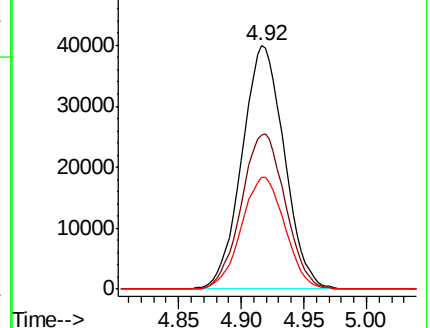
61 47.1 37.9 56.9

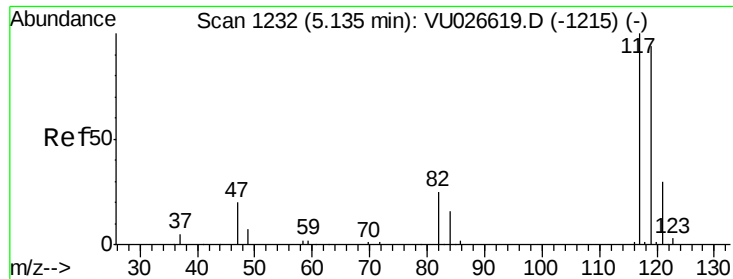


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

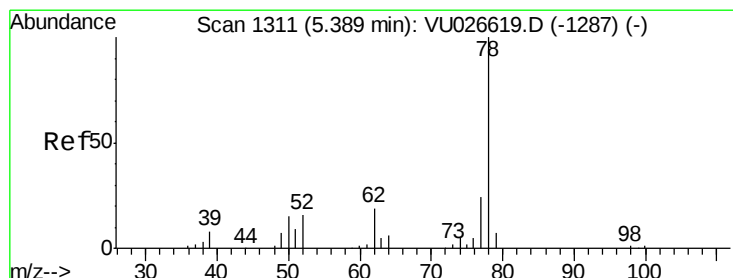
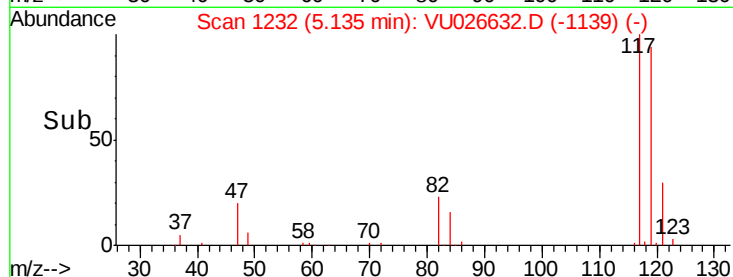
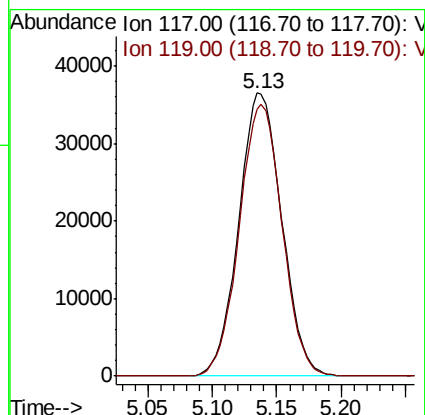
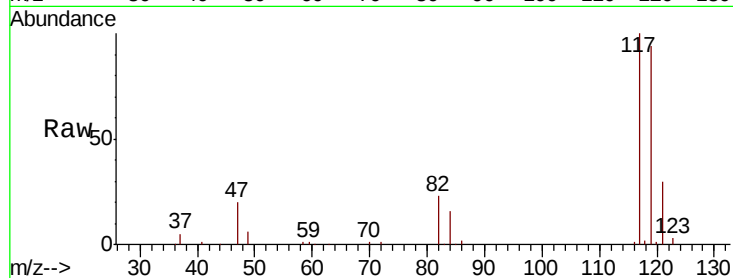




#31
Carbon tetrachloride
Concen: 54.975 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

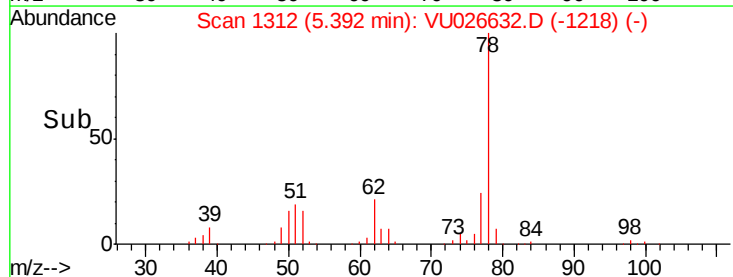
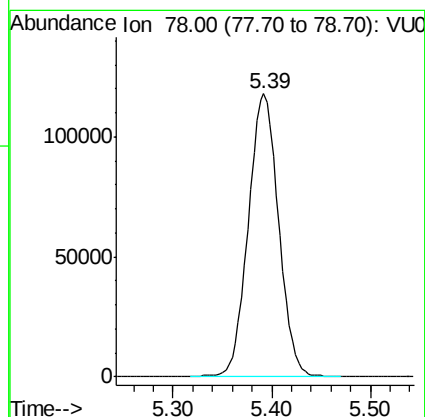
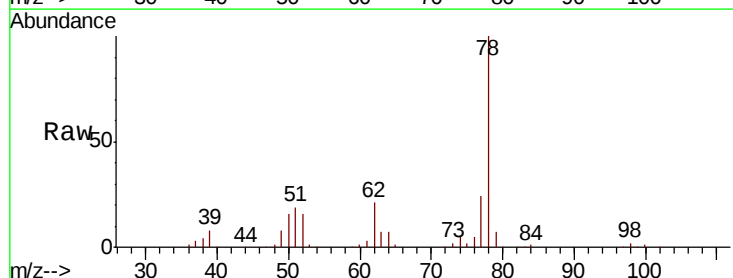
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

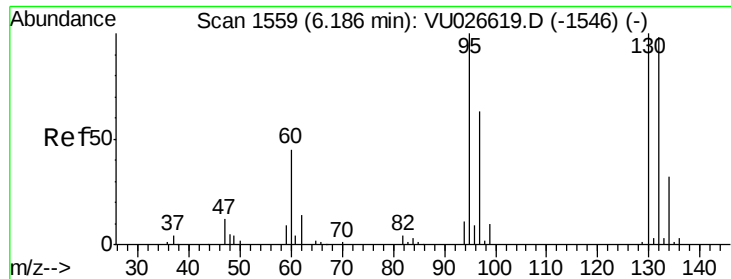
Tot Ion:117 Resp: 84714
Ion Ratio Lower Upper
117 100
119 95.5 76.4 114.6



#33
Benzene
Concen: 56.671 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

Tgt Ion: 78 Resp: 250388

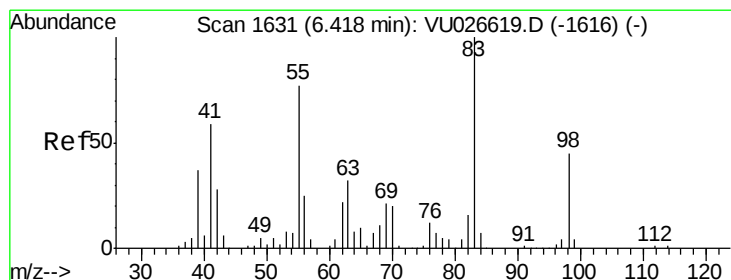
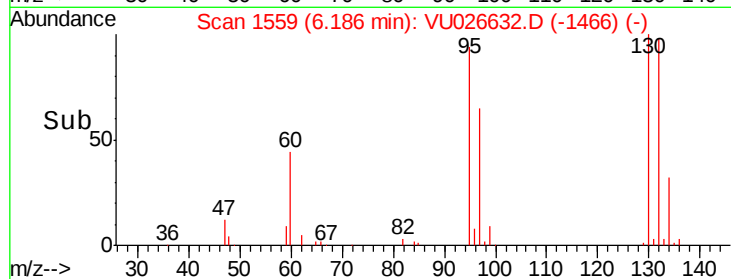
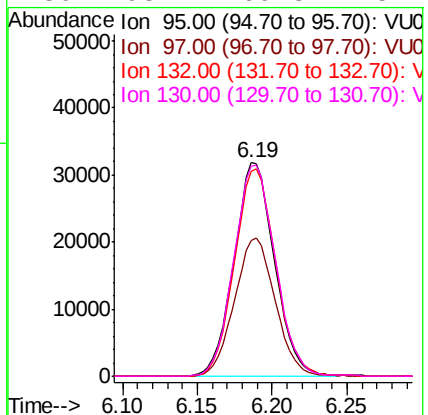
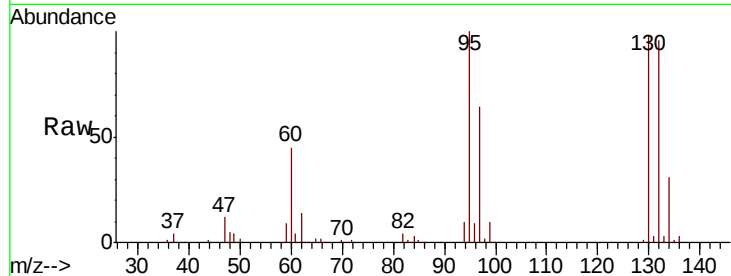




#34
 Trichloroethene
 Concen: 54.374 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

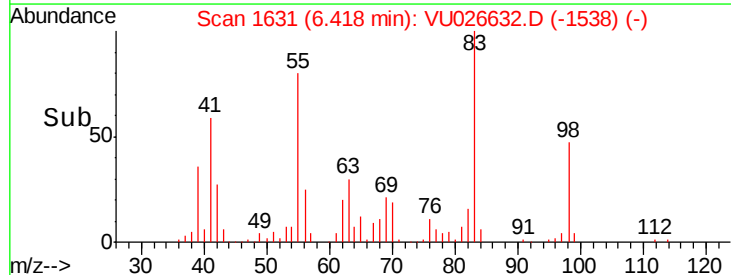
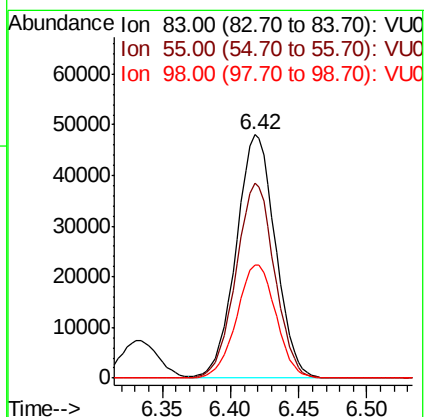
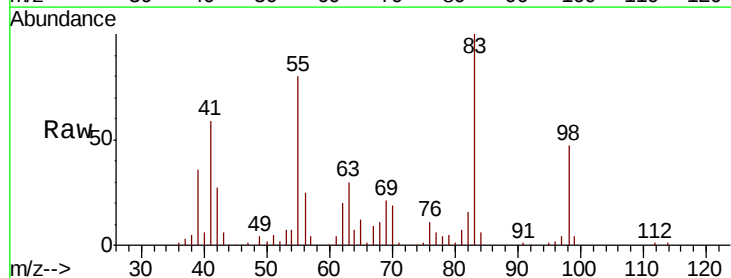
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

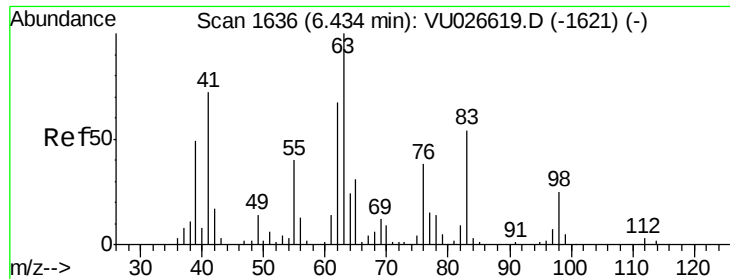
Tot Ion: 95 Resp: 60260
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.1 83.7
 132 96.1 67.5 125.3
 130 98.4 69.3 128.7



#35
 Methylcyclohexane
 Concen: 55.433 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

Tgt Ion: 83 Resp: 95926
 Ion Ratio Lower Upper
 83 100
 55 78.9 63.3 94.9
 98 46.6 36.7 55.1

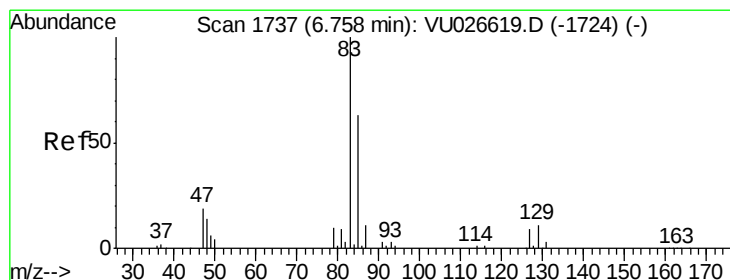
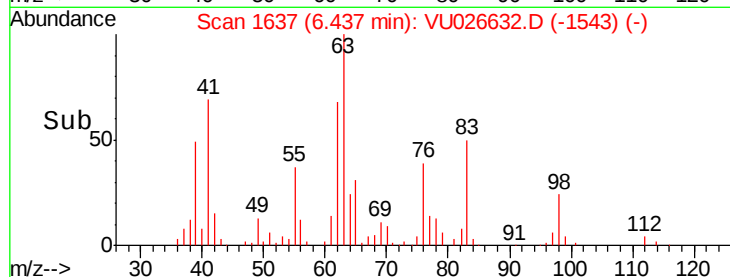
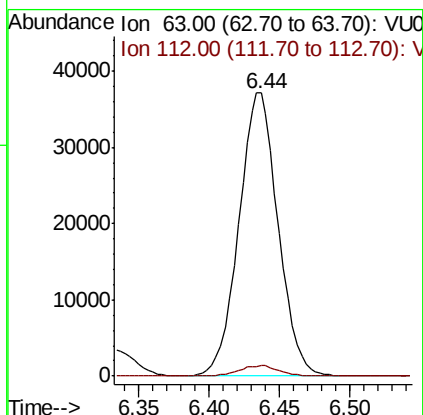
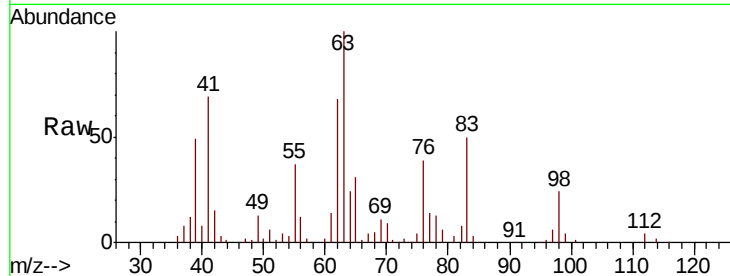




#37
 1,2-Dichloropropane
 Concen: 58.925 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

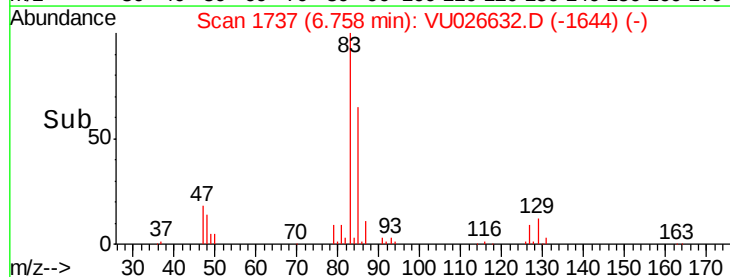
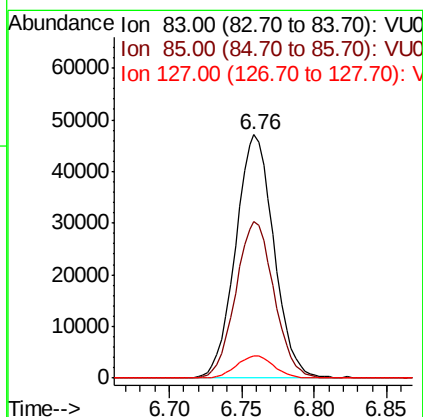
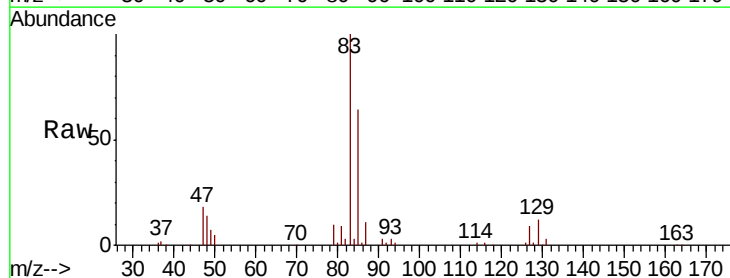
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

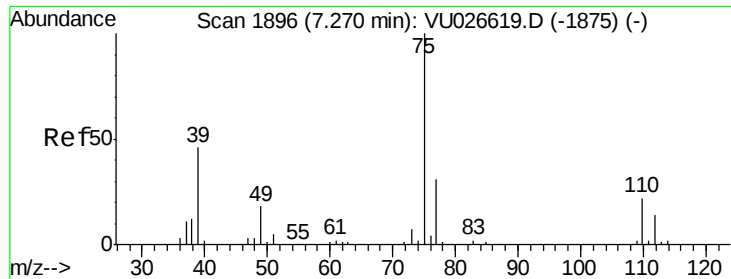
Tot Ion: 63 Resp: 72074
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.6



#38
 Bromodichloromethane
 Concen: 55.389 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

Tgt Ion: 83 Resp: 86396
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.9 81.5
 127 9.0 7.0 10.6

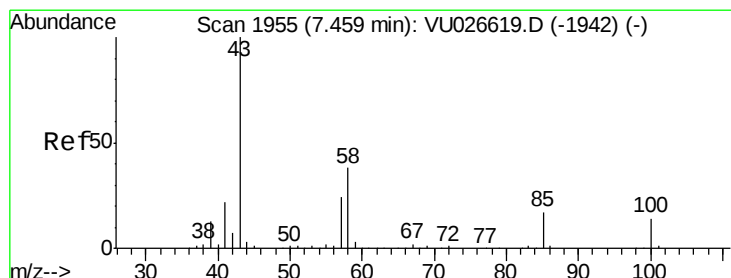
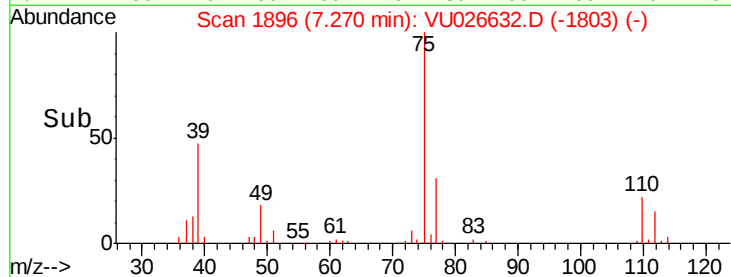
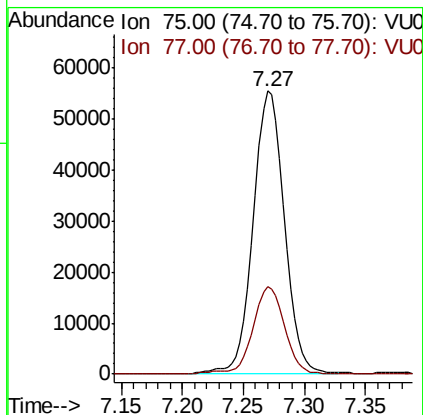
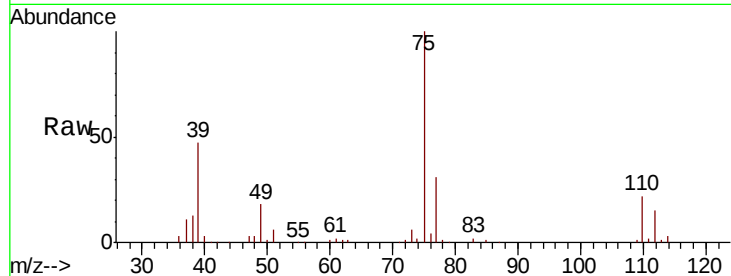




#39
 cis-1,3-Dichloropropene
 Concen: 56.431 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

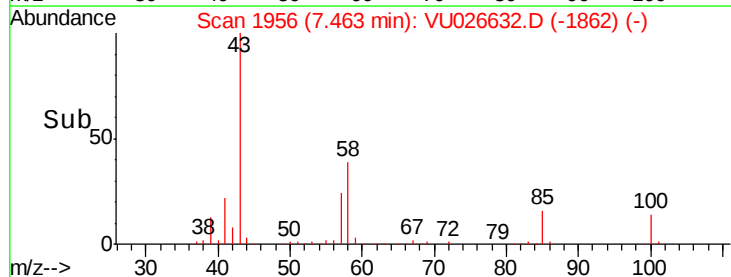
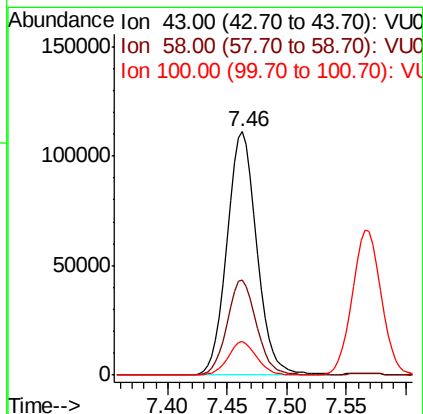
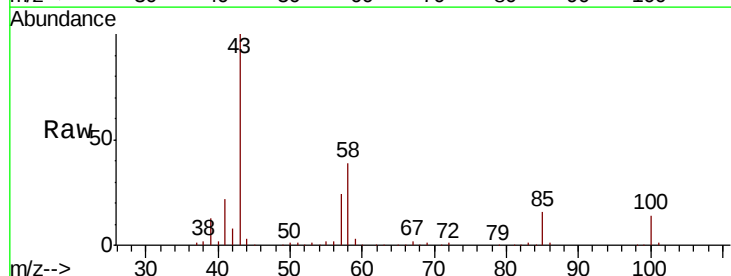
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

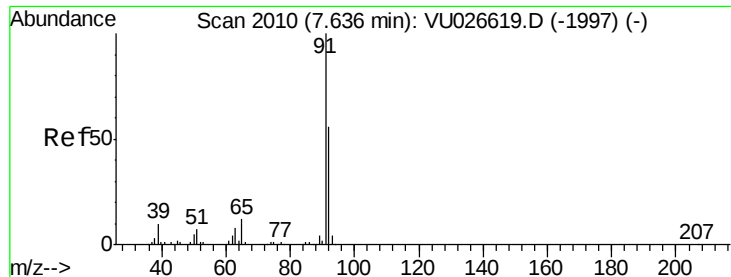
Tot Ion: 75 Resp: 98351
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 117.190 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

Tgt Ion: 43 Resp: 193314
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.4 45.6
 100 13.4 11.0 16.4





#42

Toluene

Concen: 56.712 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

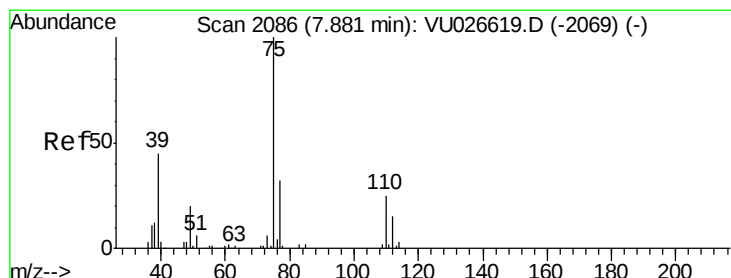
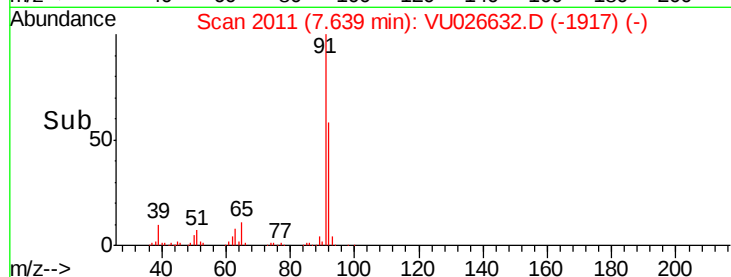
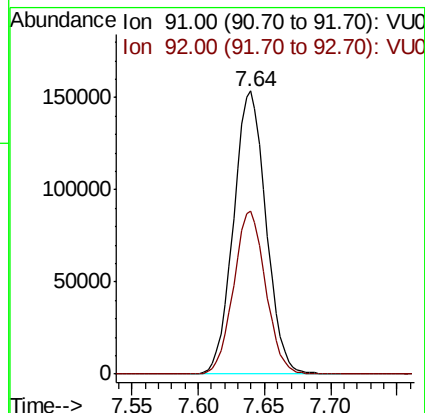
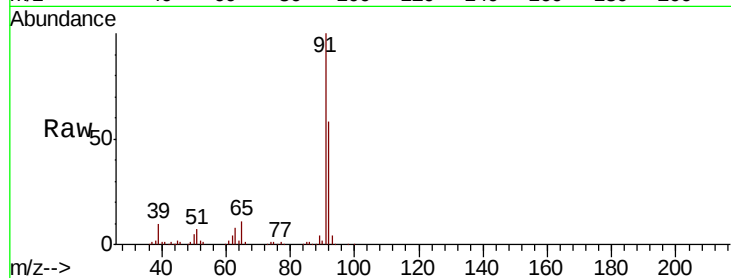
VSTD05044

Tot Ion: 91 Resp: 261459

Ion Ratio Lower Upper

91 100

92 57.8 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 56.004 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026632.D

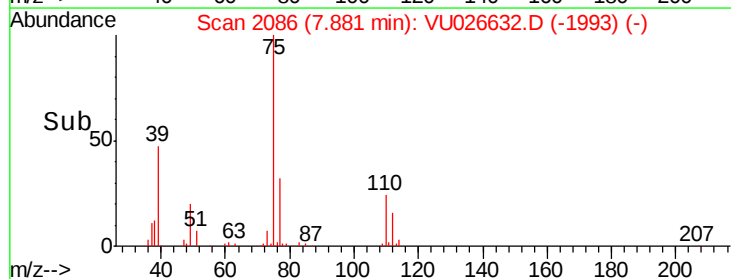
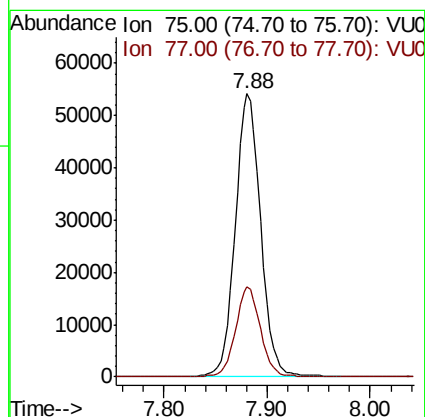
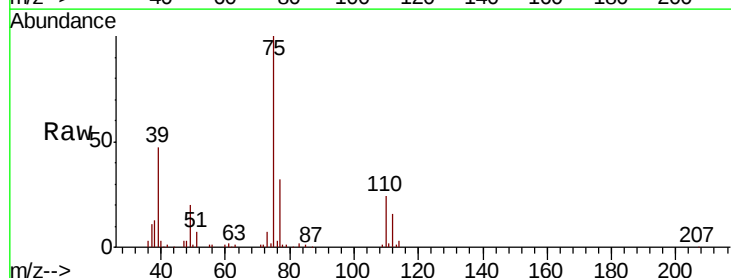
Acq: 07 Sep 2018 20:43

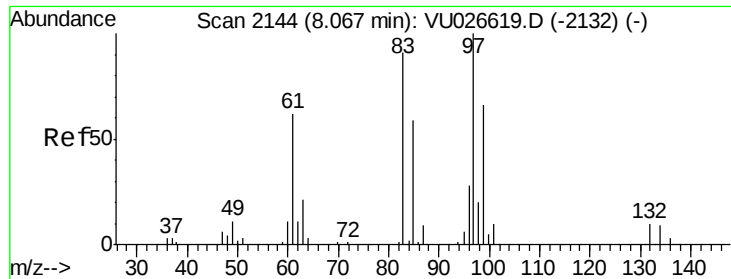
Tgt Ion: 75 Resp: 93032

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1

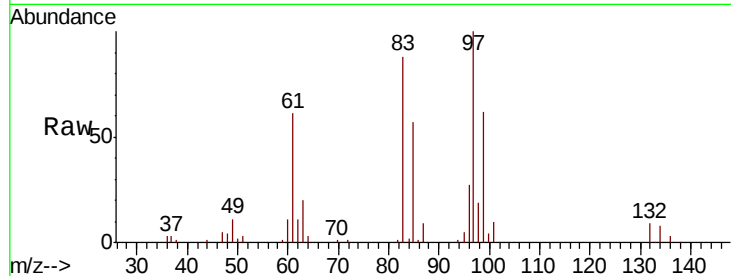




#45
 1,1,2-Trichloroethane
 Concen: 57.308 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Tot Ion:	97	Resp:	64215
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.9	81.5
83	88.4	62.7	116.5
85	56.5	39.4	73.2



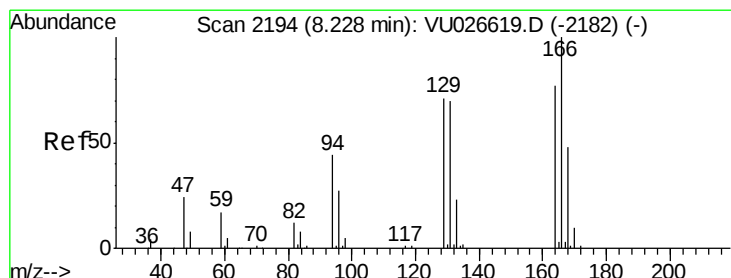
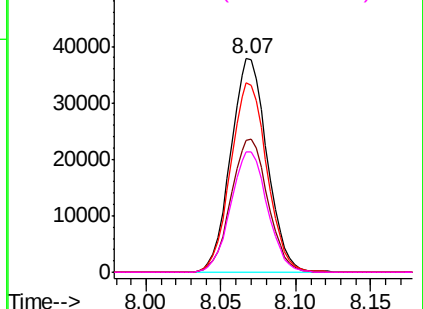
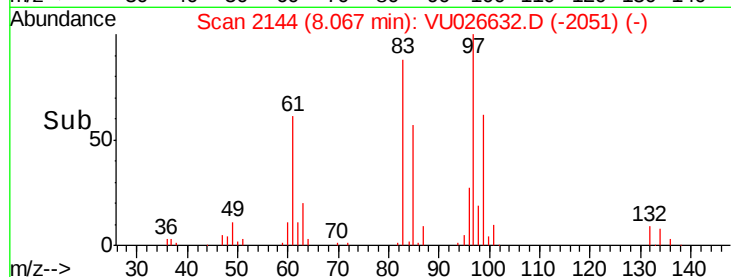
Abundance

Ion 97.00 (96.70 to 97.70): VU026632.D (-2051) (-)

Ion 99.00 (98.70 to 99.70): VU026632.D (-2051) (-)

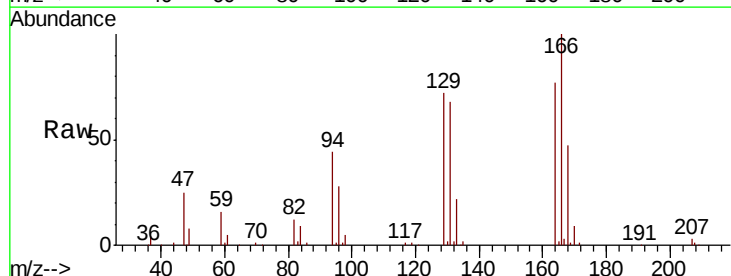
Ion 83.00 (82.70 to 83.70): VU026632.D (-2051) (-)

Ion 85.00 (84.70 to 85.70): VU026632.D (-2051) (-)



#46
 Tetrachloroethene
 Concen: 54.860 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

Tgt Ion:	164	Resp:	49707
Ion	Ratio	Lower	Upper
164	100		
129	93.9	67.3	125.1
131	88.1	65.3	121.3
166	129.9	90.9	168.7



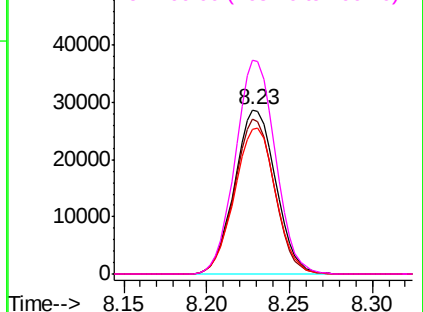
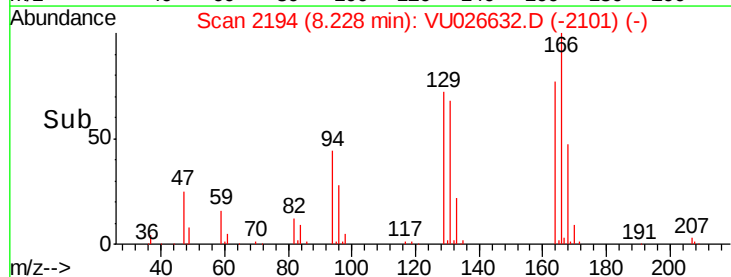
Abundance

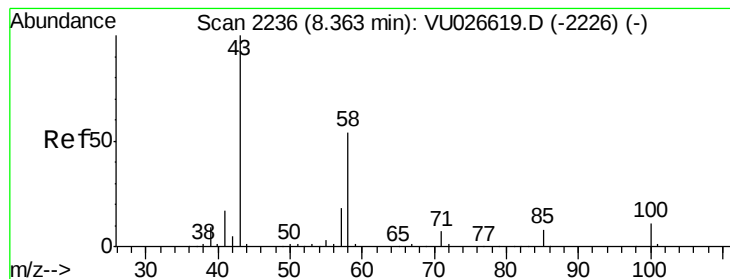
Ion 164.00 (163.70 to 164.70): VU026632.D (-2101) (-)

Ion 129.00 (128.70 to 129.70): VU026632.D (-2101) (-)

Ion 131.00 (130.70 to 131.70): VU026632.D (-2101) (-)

Ion 166.00 (165.70 to 166.70): VU026632.D (-2101) (-)





#48

2-Hexanone

Concen: 117.682 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

Tot Ion: 43 Resp: 152890

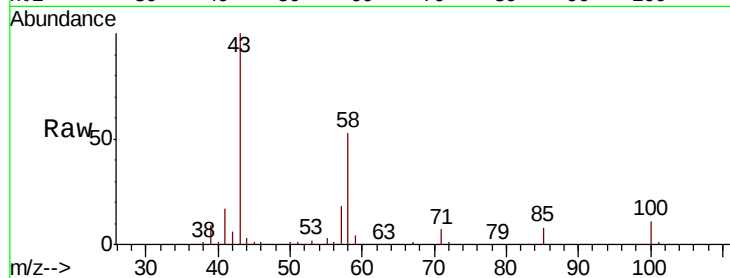
Ion Ratio Lower Upper

43 100

58 53.1 42.2 63.4

57 18.2 14.6 21.8

100 10.8 8.3 12.5

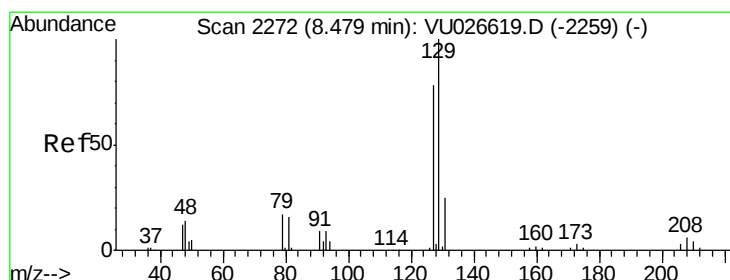
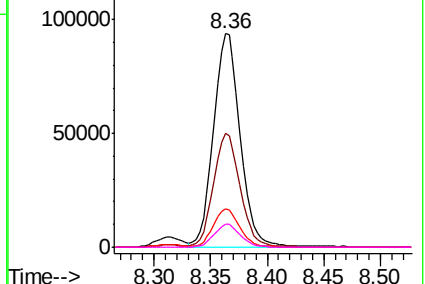
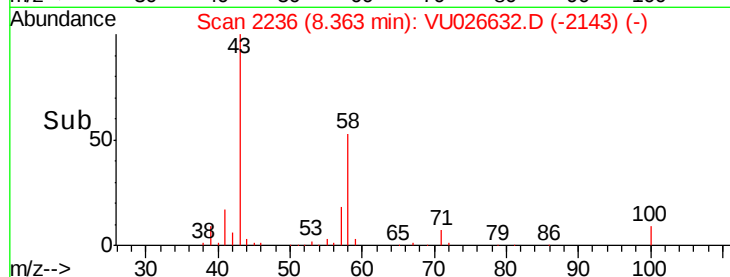


Abundance Ion 43.00 (42.70 to 43.70): VU026632.D (-2143) (-)

Ion 58.00 (57.70 to 58.70): VU026632.D (-2143) (-)

Ion 57.00 (56.70 to 57.70): VU026632.D (-2143) (-)

Ion 100.00 (99.70 to 100.70): VU026632.D (-2143) (-)



#49

Dibromochloromethane

Concen: 56.851 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU026632.D

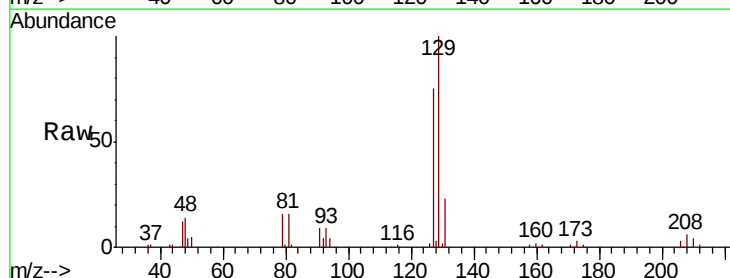
Acq: 07 Sep 2018 20:43

Tgt Ion: 129 Resp: 71778

Ion Ratio Lower Upper

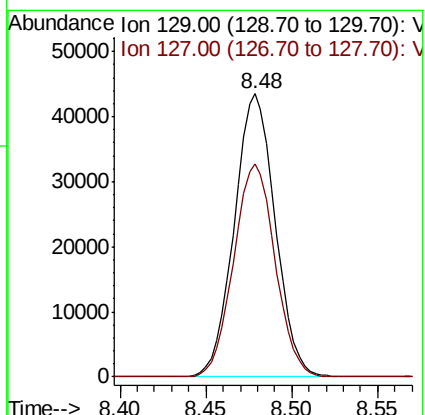
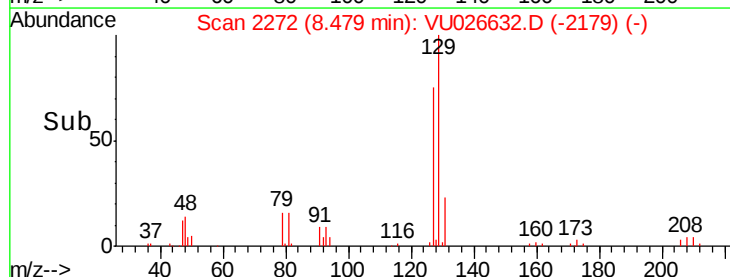
129 100

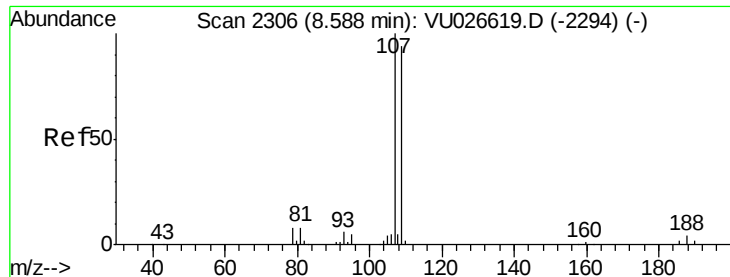
127 75.2 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): VU026632.D (-2179) (-)

Ion 127.00 (126.70 to 127.70): VU026632.D (-2179) (-)

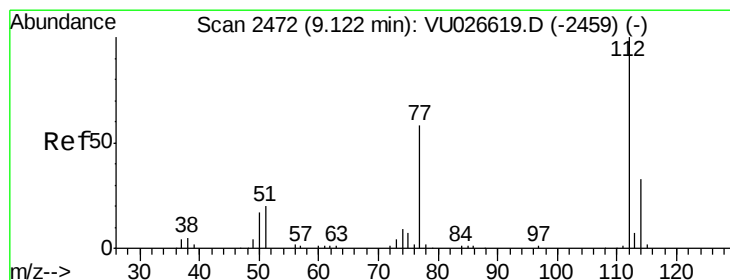
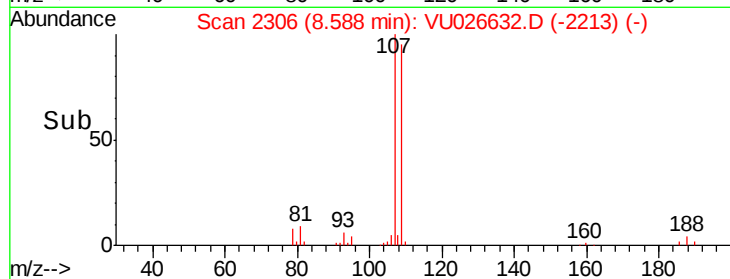
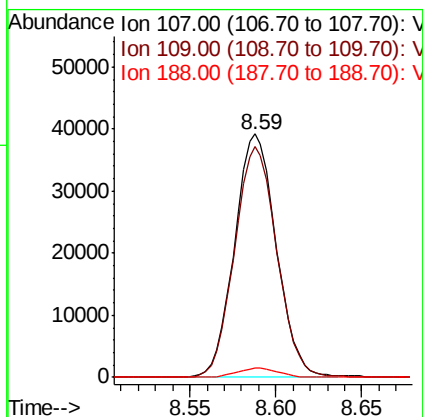
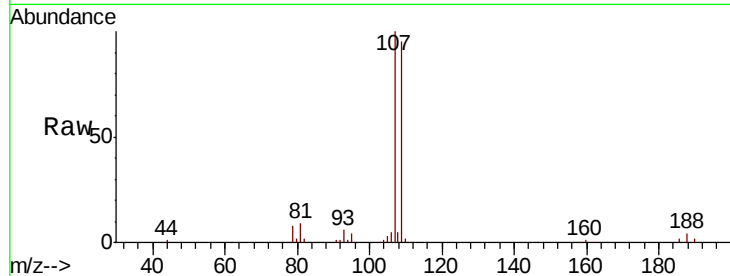




#50
1,2-Dibromoethane
Concen: 55.310 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

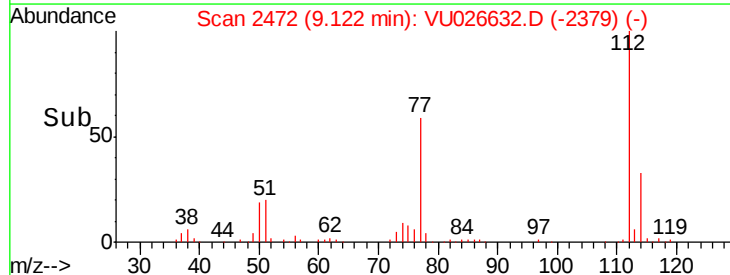
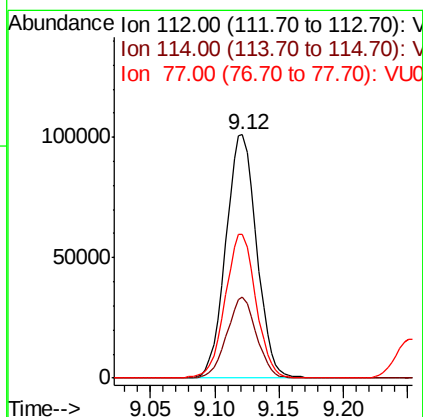
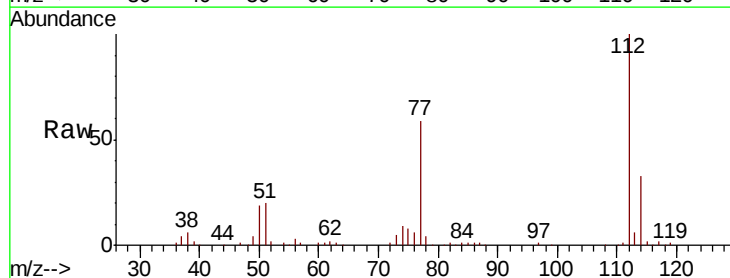
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

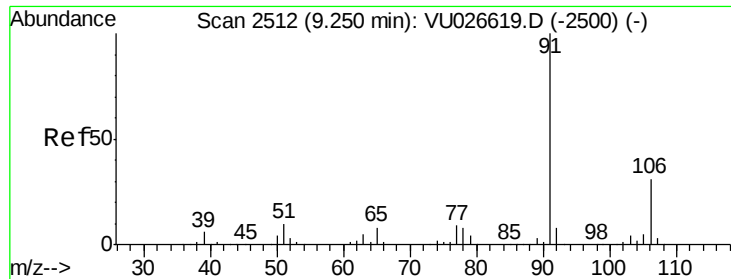
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	63.4	117.8
188	3.8	3.2	4.8



#51
Chlorobenzene
Concen: 54.231 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026632.D
Acq: 07 Sep 2018 20:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	23.2	43.2
77	58.9	47.3	70.9





#52

Ethylbenzene

Concen: 55.439 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

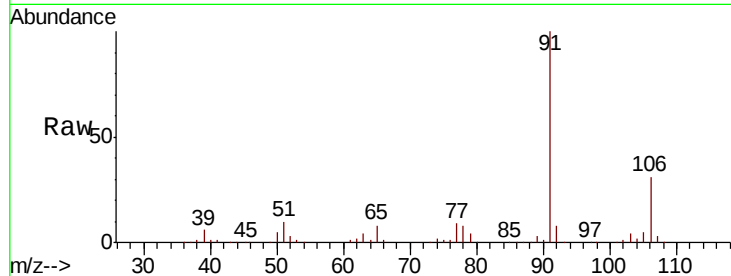
VSTD05044

Tot Ion: 91 Resp: 277981

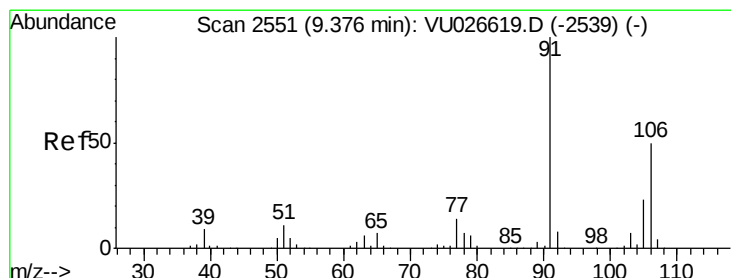
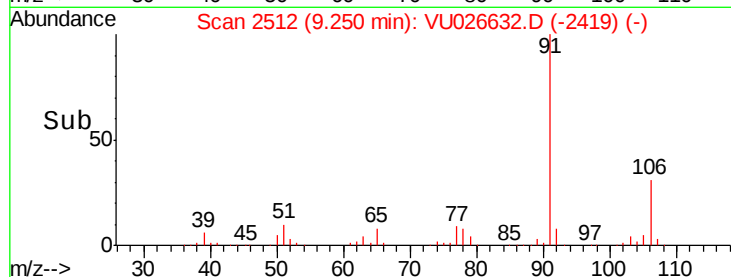
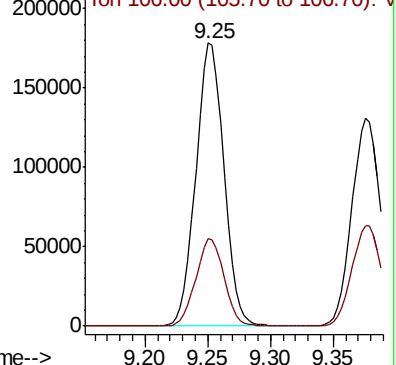
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026619.D (-2500) (-)



#53

m,p-Xylene

Concen: 56.354 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026632.D

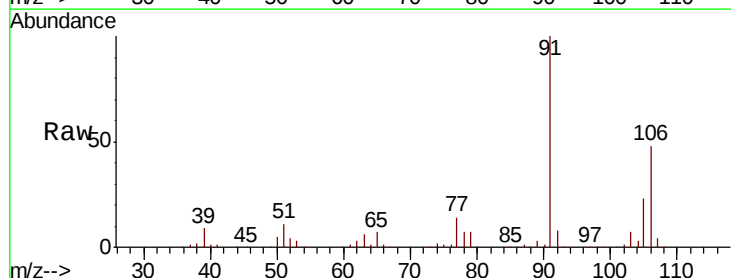
Acq: 07 Sep 2018 20:43

Tgt Ion: 106 Resp: 105508

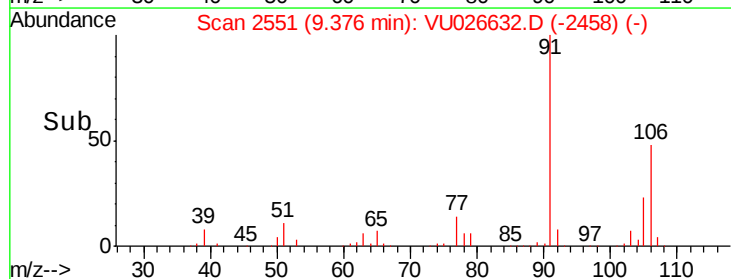
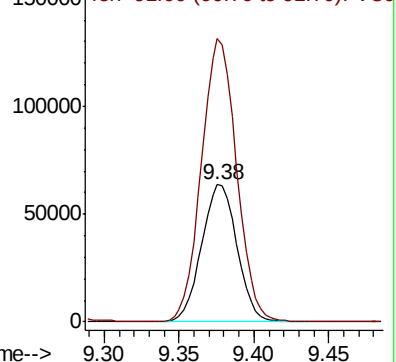
Ion Ratio Lower Upper

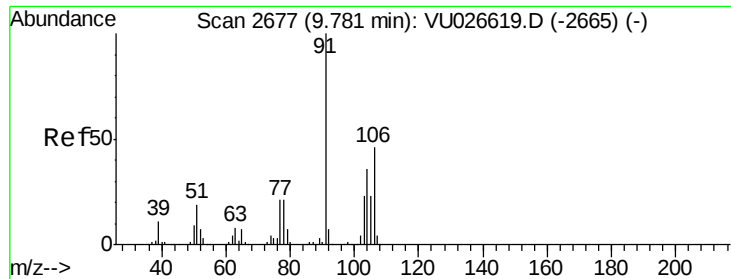
106 100

91 206.5 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026619.D (-2539) (-)





#54

o-xylene

Concen: 57.690 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

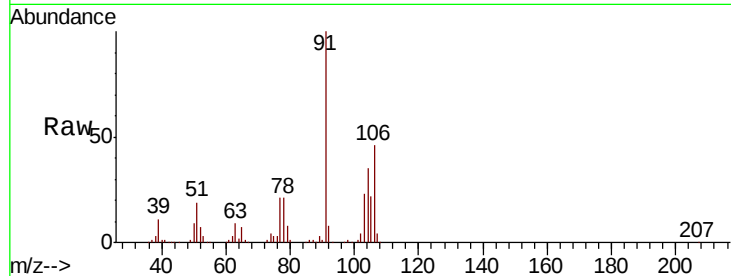
VSTD05044

Tot Ion:106 Resp: 105330

Ion Ratio Lower Upper

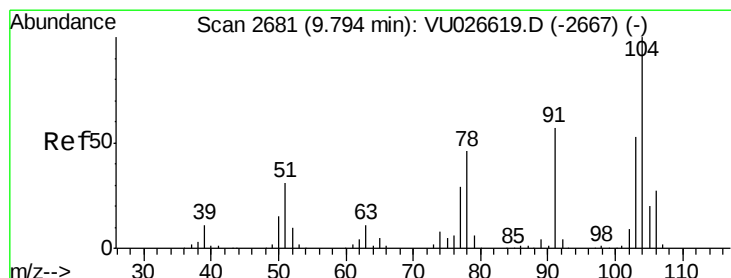
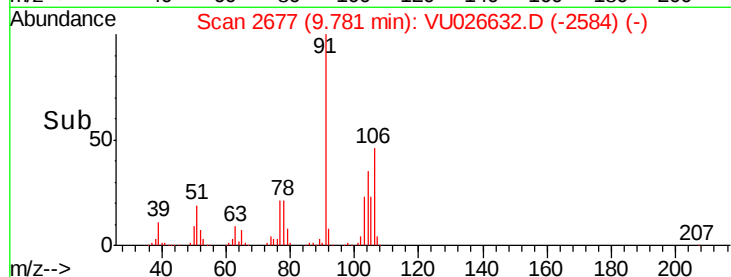
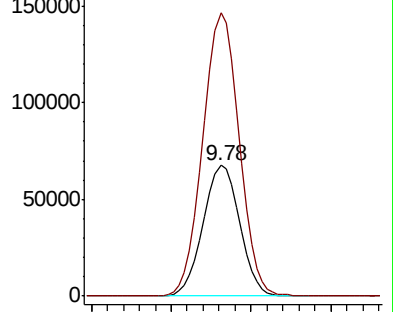
106 100

91 216.0 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 56.785 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026632.D

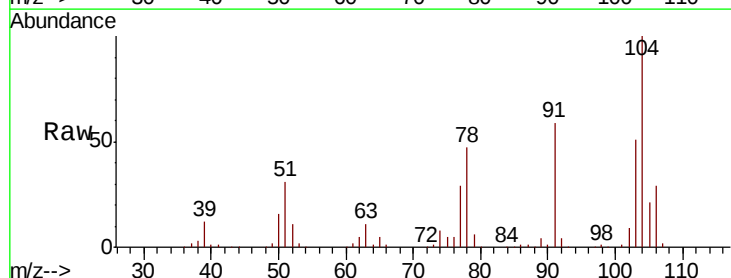
Acq: 07 Sep 2018 20:43

Tgt Ion:104 Resp: 181115

Ion Ratio Lower Upper

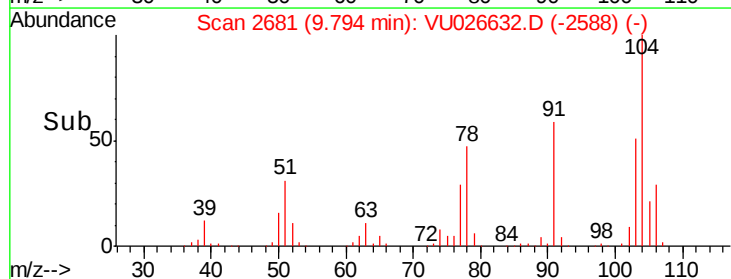
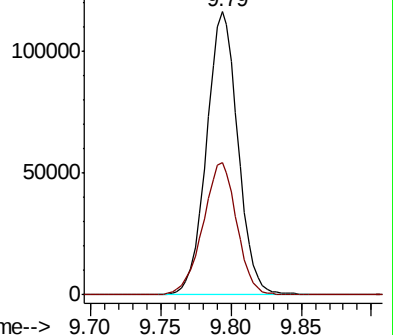
104 100

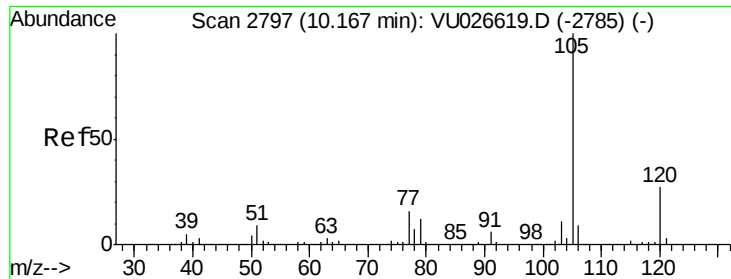
78 46.8 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 56.483 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

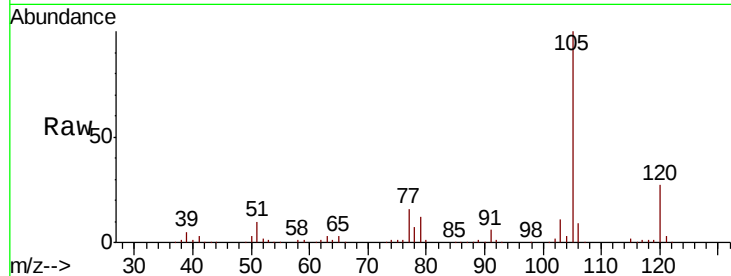
Tot Ion:105 Resp: 269950

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

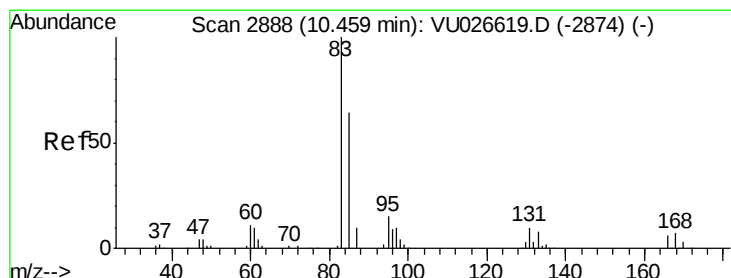
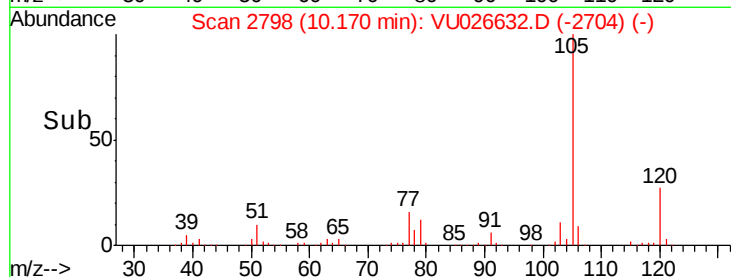
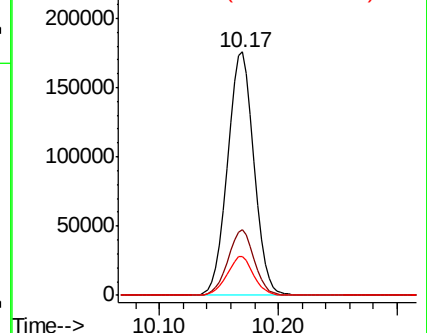
77 15.9 12.9 19.3



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: 55.998 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

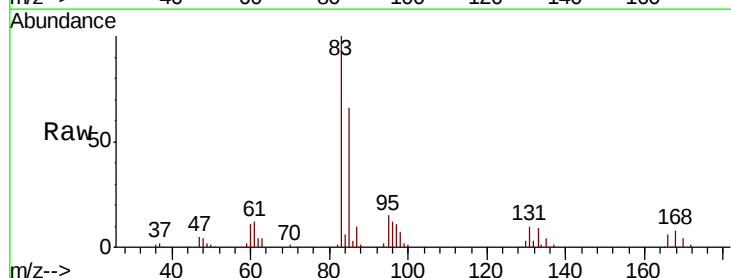
Tgt Ion: 83 Resp: 110529

Ion Ratio Lower Upper

83 100

85 66.2 44.3 82.3

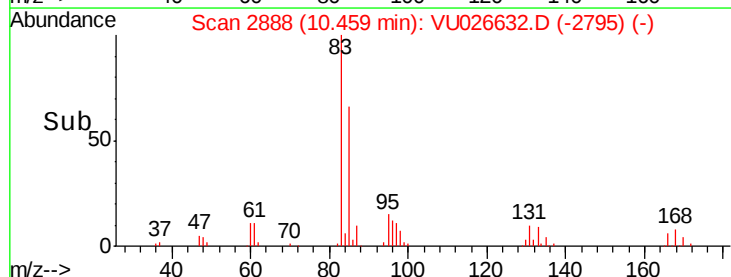
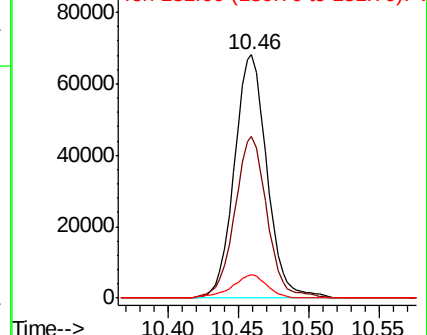
131 9.7 7.8 11.8

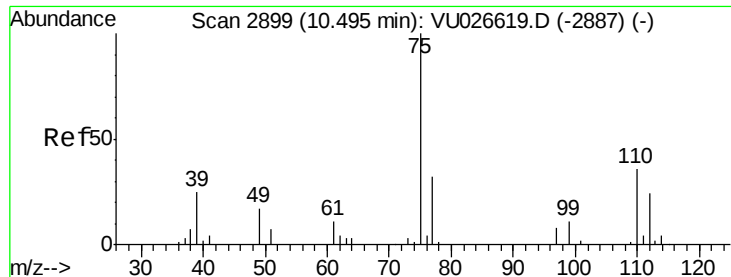


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

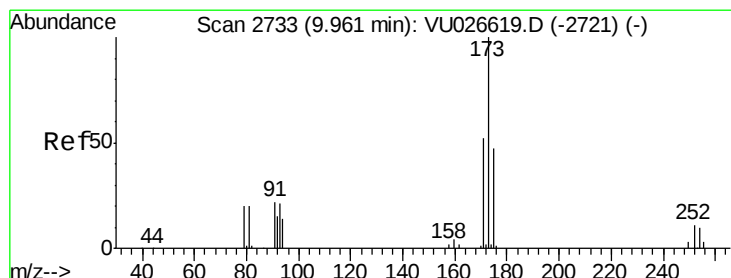
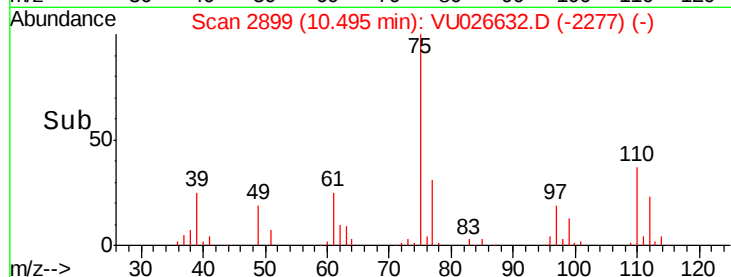
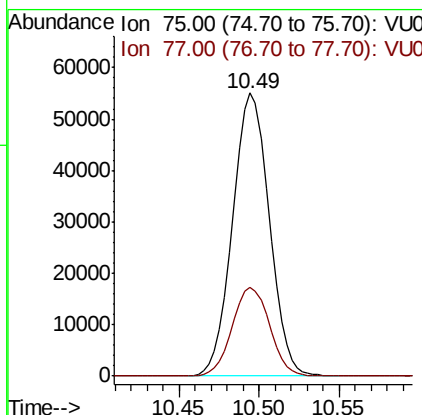
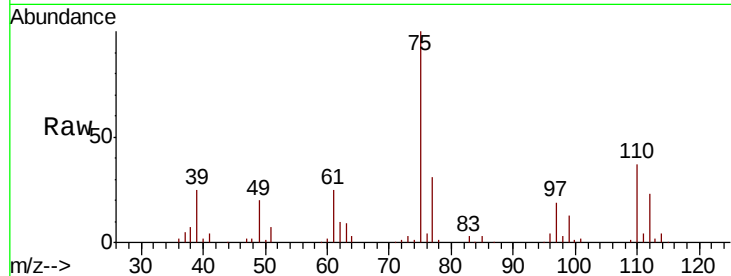




#59
 1,2,3-Trichloropropane
 Concen: 56.452 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

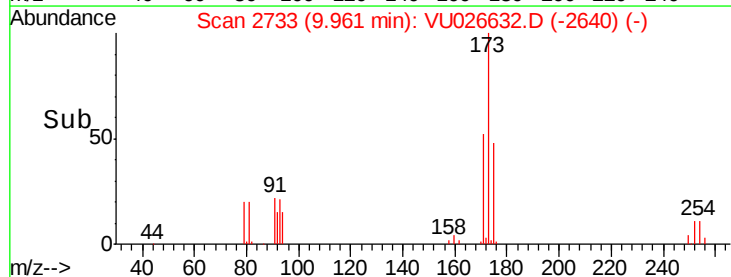
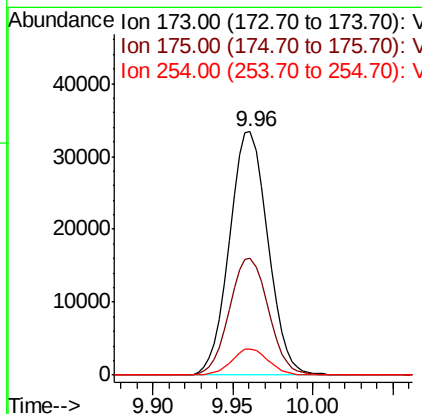
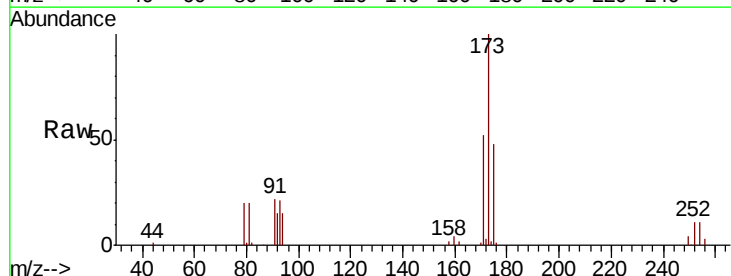
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

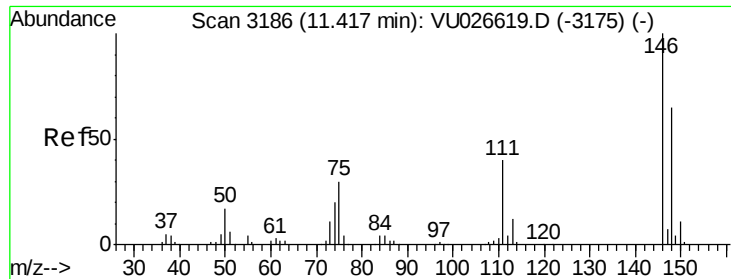
Tot Ion: 75 Resp: 86159
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6



#61
 Bromoform
 Concen: 58.290 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

Tgt Ion:173 Resp: 54742
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.5 57.7
 254 10.2 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 55.490 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

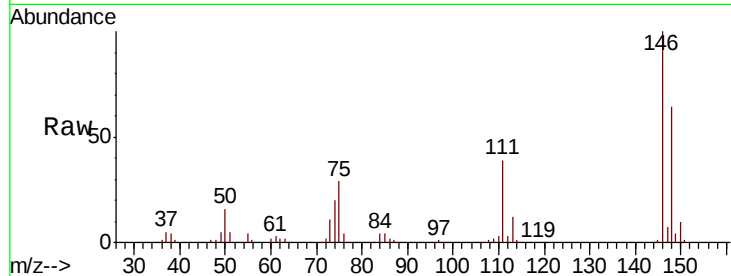
Tot Ion:146 Resp: 123555

Ion Ratio Lower Upper

146 100

111 38.8 27.5 51.1

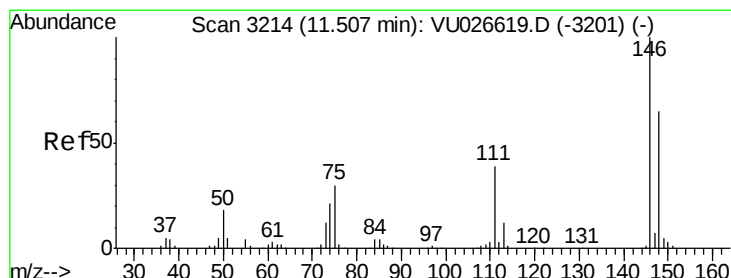
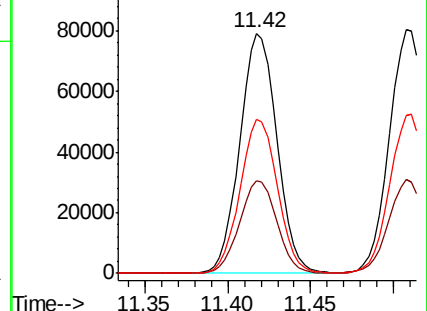
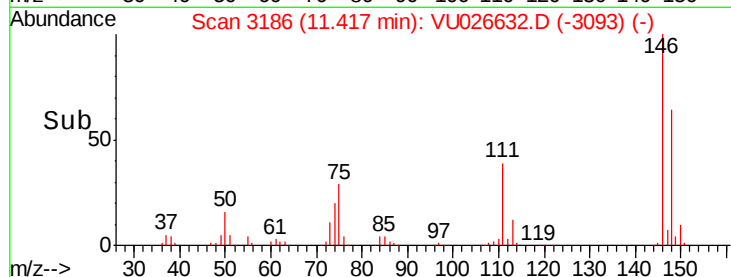
148 64.0 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 53.601 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

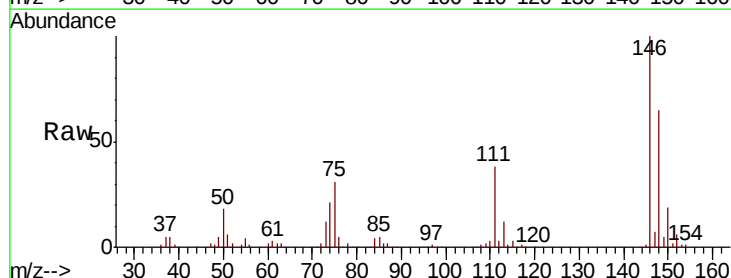
Tgt Ion:146 Resp: 126233

Ion Ratio Lower Upper

146 100

111 38.4 26.2 48.6

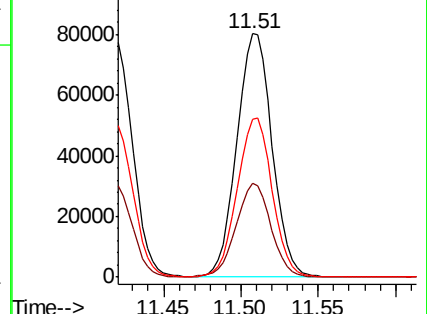
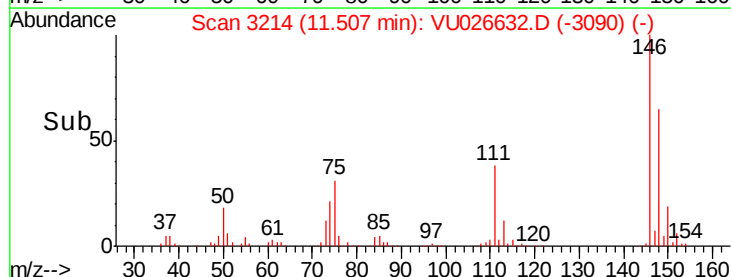
148 65.0 44.9 83.5

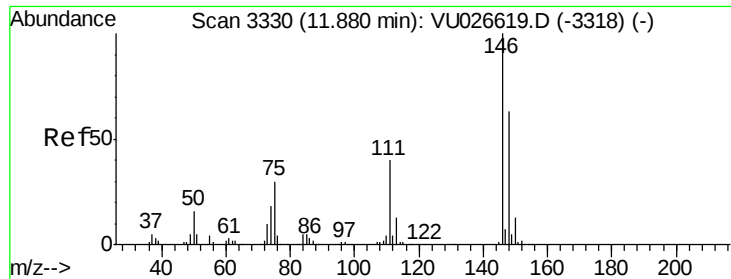


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

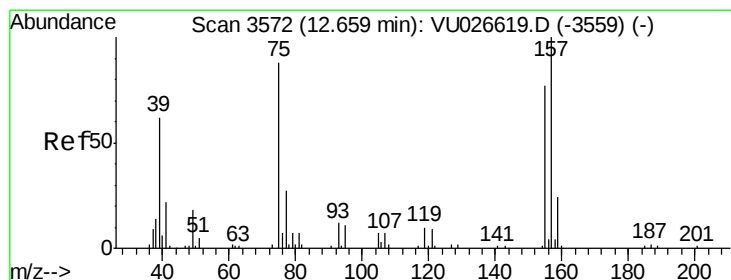
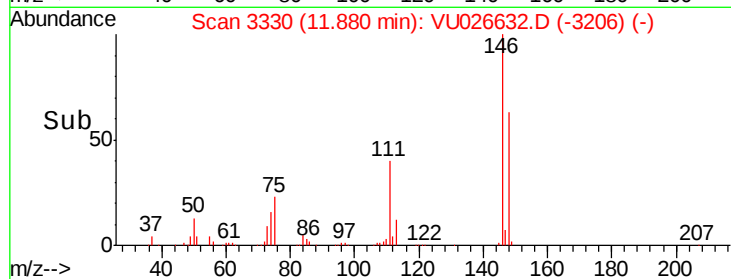
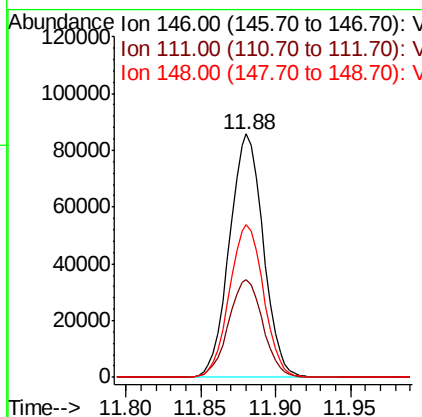
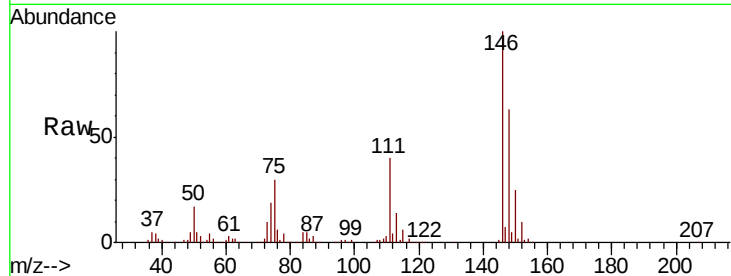




#65
 1,2-Dichlorobenzene
 Concen: 57.516 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

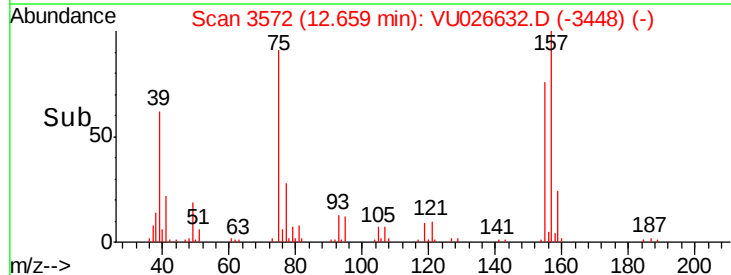
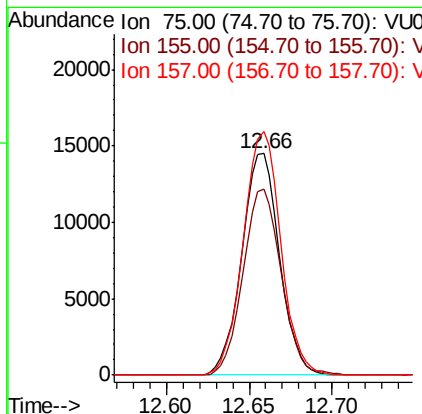
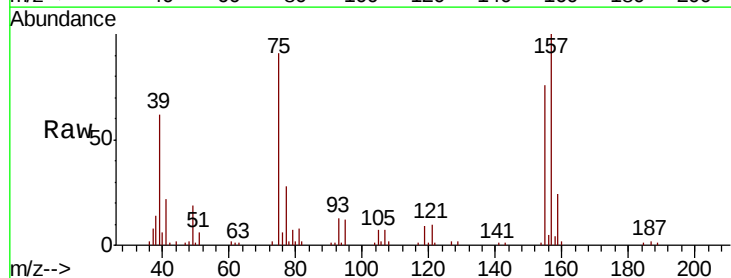
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

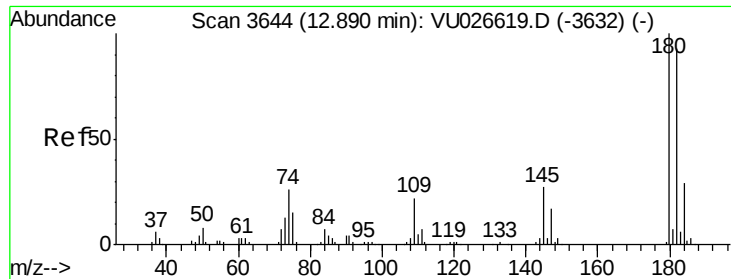
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.0	48.0
148	63.0	50.2	75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 58.027 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	69.8	104.8
157	110.0	89.8	134.8

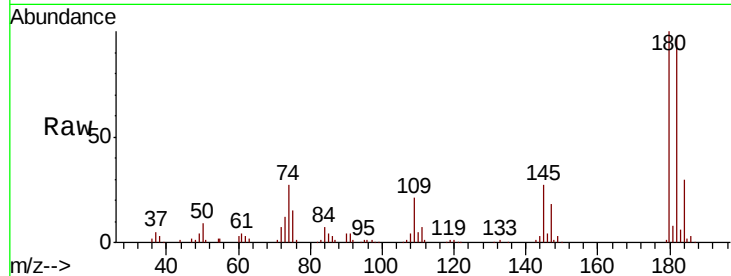




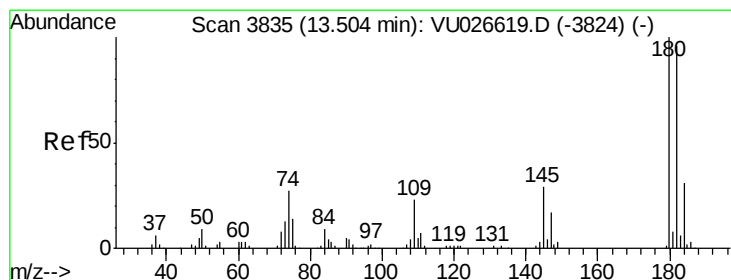
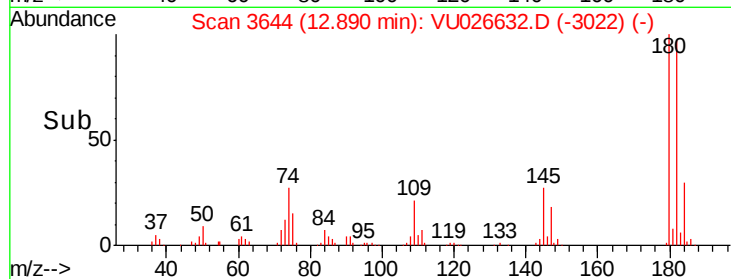
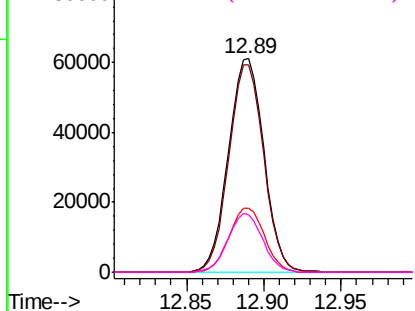
#67
 1,3,5-Trichlorobenzene
 Concen: 54.000 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Tot Ion:180 Resp: 97032
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.5 114.7
 184 30.0 25.0 37.4
 145 27.0 22.3 33.5

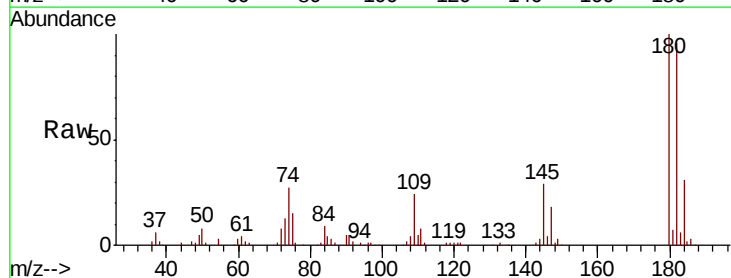


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

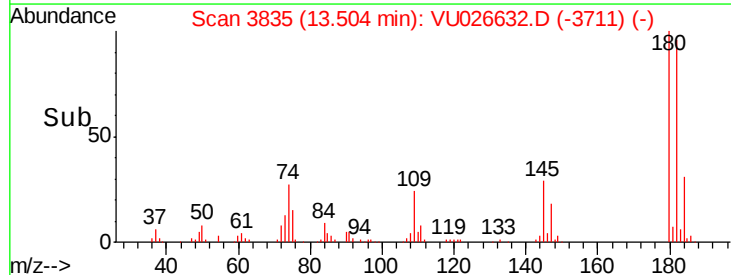
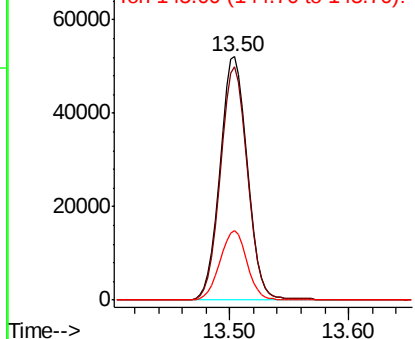


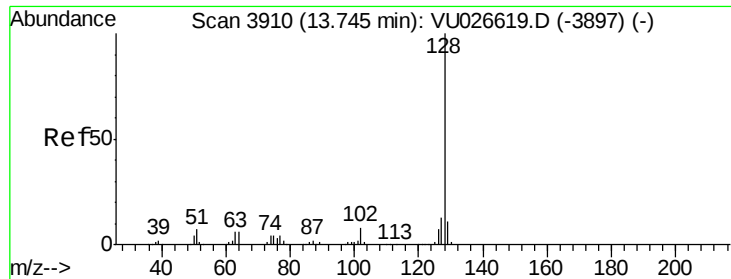
#68
 1,2,4-trichlorobenzene
 Concen: 52.930 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026632.D
 Acq: 07 Sep 2018 20:43

Tgt Ion:180 Resp: 83072
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.6 114.8
 145 28.1 22.4 33.6



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





#69

Naphthalene

Concen: 57.699 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

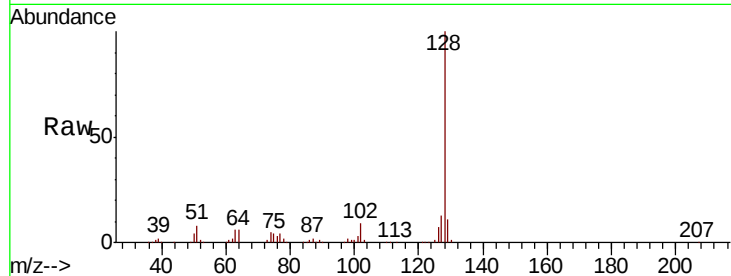
Tot Ion:128 Resp: 282743

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

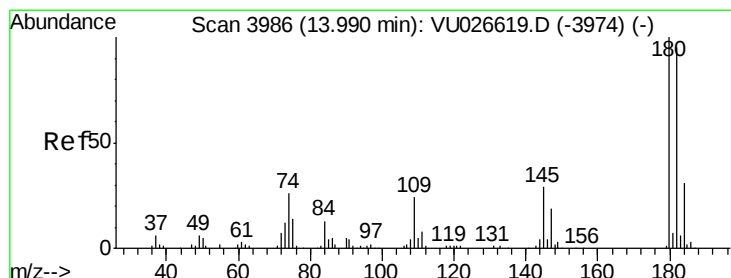
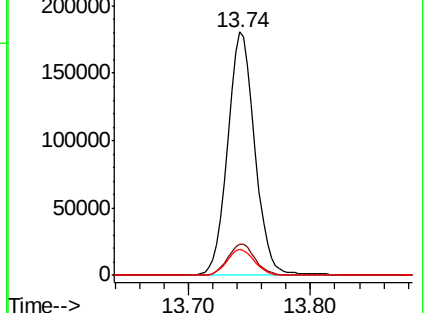
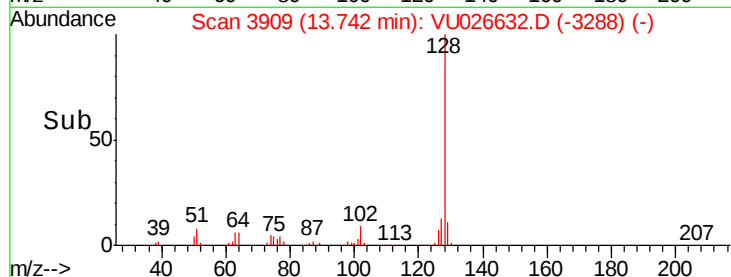
129 10.8 8.5 12.7



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: 56.103 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026632.D

Acq: 07 Sep 2018 20:43

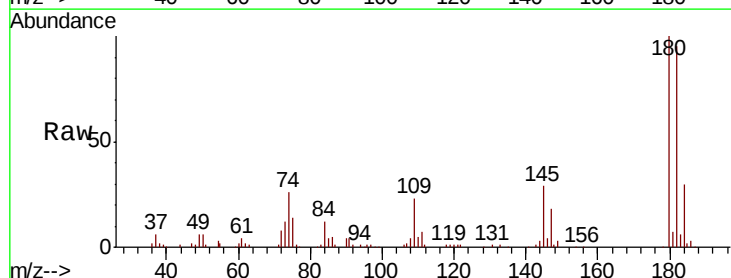
Tgt Ion:180 Resp: 96684

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 29.4 23.9 35.9



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

