

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U120718\
 Data File : VU028523.D
 Acq On : 07 Dec 2018 10:36
 Operator : MD/SY
 Sample : VSTD05056
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Dec 07 22:41:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 22:38:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	145732	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	141047	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69401	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67974	51.91	ug/L	0.00
7) Chloroethane-d5	1.68	69	52006	51.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	117372	50.55	ug/L	0.00
21) 2-Butanone-d5	4.17	46	110038	103.30	ug/L	0.00
24) Chloroform-d	4.65	84	107274	51.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	70012	49.10	ug/L	0.00
32) Benzene-d6	5.34	84	220067	50.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	78712	49.89	ug/L	0.00
41) Toluene-d8	7.56	98	197663	49.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	36294	50.80	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	77215	101.67	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	101262	50.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	67998	49.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	56567	44.582	ug/L 100
3) Chloromethane	1.33	50	85261	46.079	ug/L 100
5) Vinyl chloride	1.40	62	73347	46.343	ug/L 100
6) Bromomethane	1.63	94	22049	48.876	ug/L 100
8) Chloroethane	1.70	64	42437	47.640	ug/L 100
9) Trichlorofluoromethane	1.89	101	78188	48.125	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	47619	50.121	ug/L 100
12) 1,1-Dichloroethene	2.28	96	44069	48.350	ug/L 100
13) Acetone	2.32	43	107044	96.553	ug/L 100
14) Carbon disulfide	2.48	76	161097	46.851	ug/L 100
15) Methyl Acetate	2.61	43	78077	47.961	ug/L 100
16) Methylene chloride	2.70	84	56760	48.136	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	50897	49.152	ug/L 100
18) Methyl tert-butyl Ether	3.00	73	172939	48.154	ug/L 100
19) 1,1-Dichloroethane	3.45	63	109500	48.896	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	58273	48.789	ug/L 100
22) 2-Butanone	4.26	43	131560	96.083	ug/L 100
23) Bromochloromethane	4.55	128	25698	49.083	ug/L 100
25) Chloroform	4.67	83	99532	48.632	ug/L 100
27) 1,2-Dichloroethane	5.40	62	83238	49.111	ug/L 100
29) Cyclohexane	4.99	56	107586	47.581	ug/L 100
30) 1,1,1-Trichloroethane	4.91	97	80561	48.667	ug/L 100
31) Carbon tetrachloride	5.13	117	64079	48.128	ug/L 100
33) Benzene	5.39	78	232053	48.293	ug/L 100
34) Trichloroethene	6.19	95	56551	48.950	ug/L 100
35) Methylcyclohexane	6.41	83	96145	48.116	ug/L 100
37) 1,2-Dichloropropane	6.43	63	69615	48.877	ug/L 100
38) Bromodichloromethane	6.76	83	75050	47.592	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	96454	47.655	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	210080	94.016	ug/L 100

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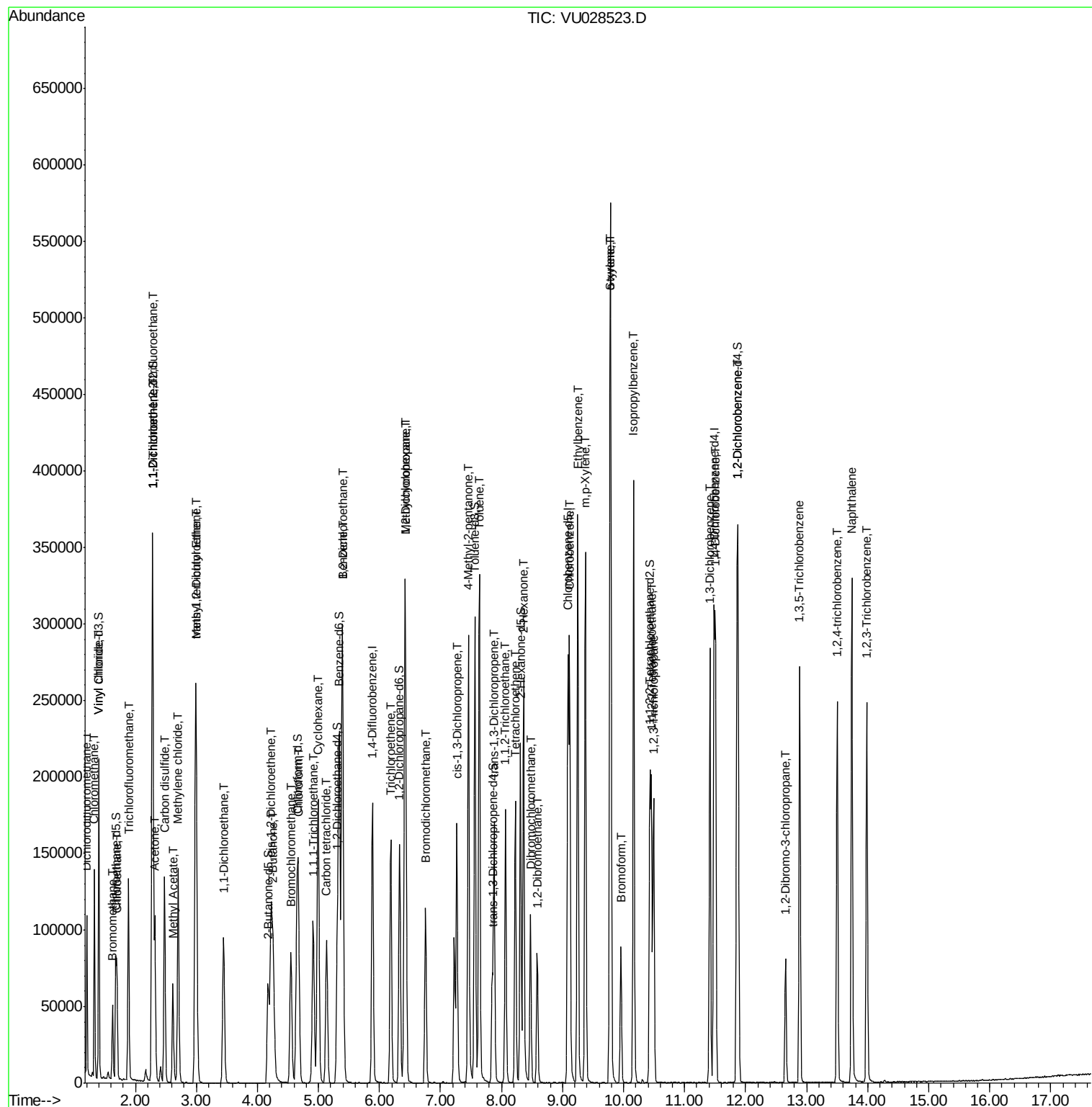
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	237356	48.638	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	90410	48.748	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	54435	48.974	ug/L	100
46) Tetrachloroethene	8.22	164	39315	48.565	ug/L	100
48) 2-Hexanone	8.36	43	174825	93.272	ug/L	100
49) Dibromochloromethane	8.48	129	53703	47.475	ug/L	100
50) 1,2-Dibromoethane	8.58	107	57084	48.075	ug/L	100
51) Chlorobenzene	9.12	112	140073	48.063	ug/L	100
52) Ethylbenzene	9.25	91	258409	47.924	ug/L	100
53) m,p-Xylene	9.37	106	93845	48.668	ug/L	100
54) o-xylene	9.78	106	92161	48.344	ug/L	100
55) Styrene	9.79	104	157720	48.264	ug/L	100
56) Isopropylbenzene	10.16	105	243864	48.437	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	98367	47.767	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	77807	48.039	ug/L	100
61) Bromoform	9.96	173	39743	46.992	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	106929	47.642	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	106976	47.283	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	107192	48.019	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	20237	45.749	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	80743	48.715	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	74448	48.254	ug/L	100
69) Naphthalene	13.74	128	247980	46.643	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	74698	48.190	ug/L	100

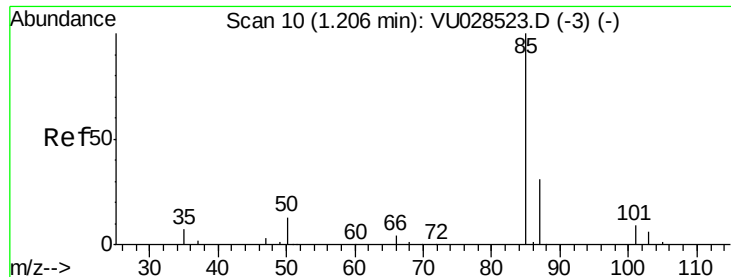
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.582 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

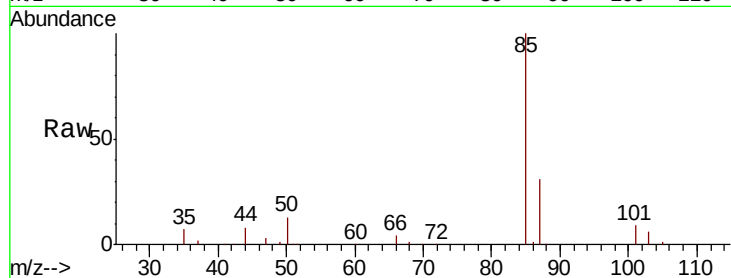
VSTD05056

Tgt Ion: 85 Resp: 56567

Ion Ratio Lower Upper

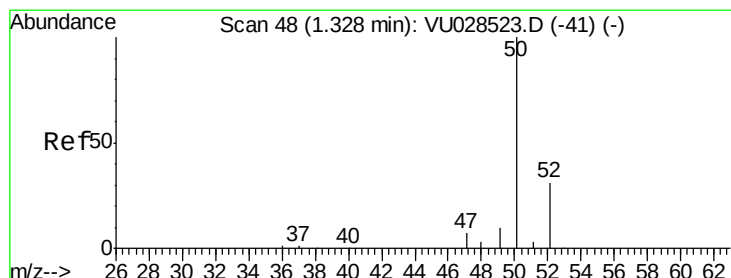
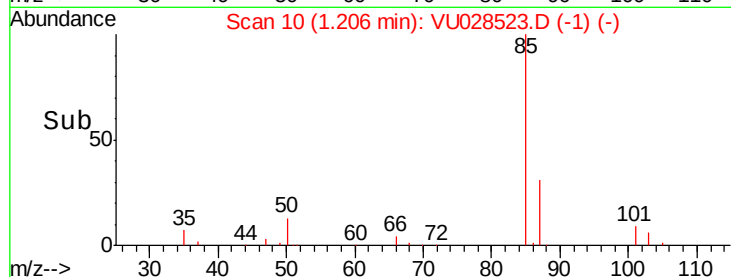
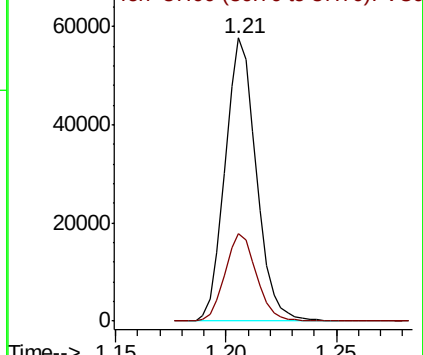
85 100

87 31.2 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 46.079 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028523.D

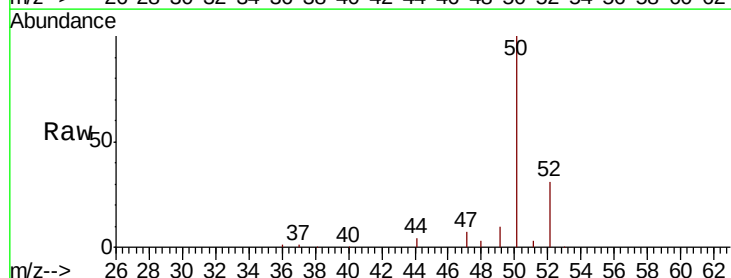
Acq: 07 Dec 2018 10:36

Tgt Ion: 50 Resp: 85261

Ion Ratio Lower Upper

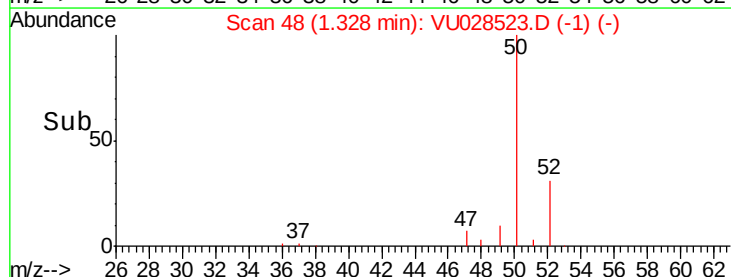
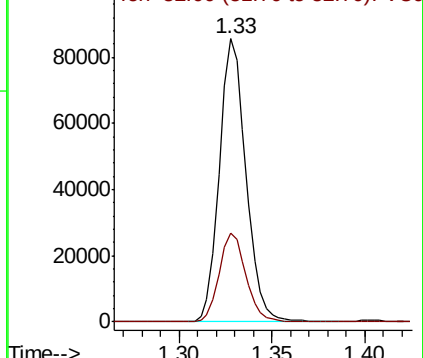
50 100

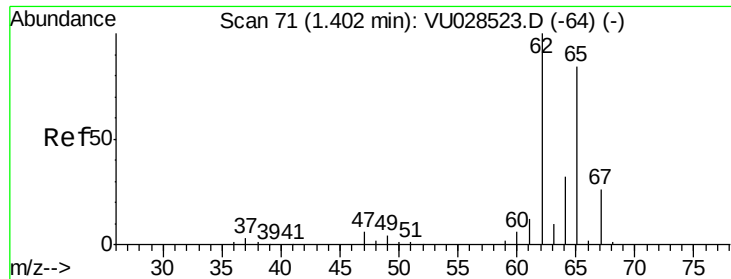
52 31.5 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 46.343 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

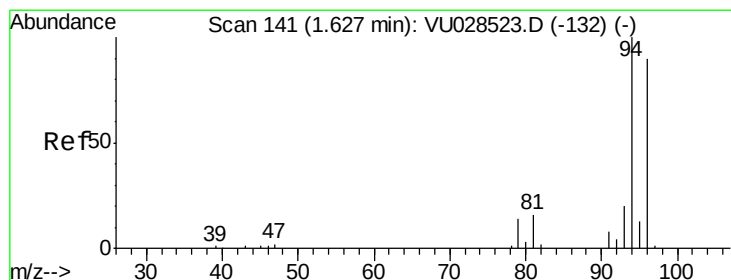
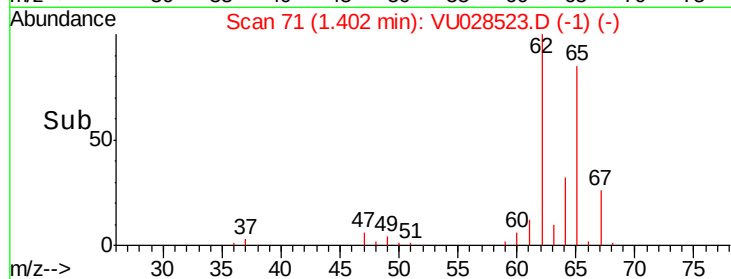
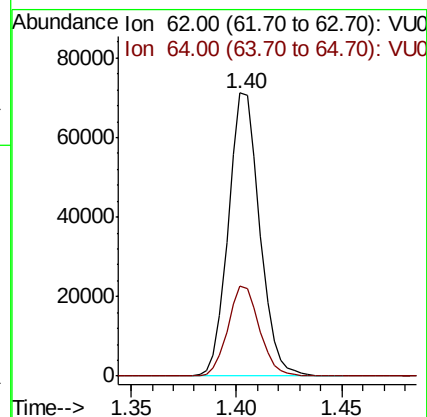
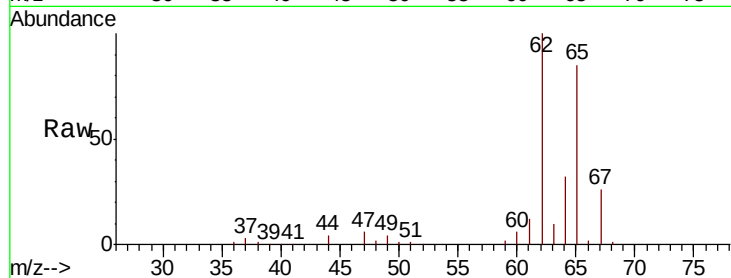
VSTD05056

Tgt Ion: 62 Resp: 73347

Ion Ratio Lower Upper

62 100

64 31.9 22.3 41.5



#6

Bromomethane

Concen: 48.876 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.00 min

Lab File: VU028523.D

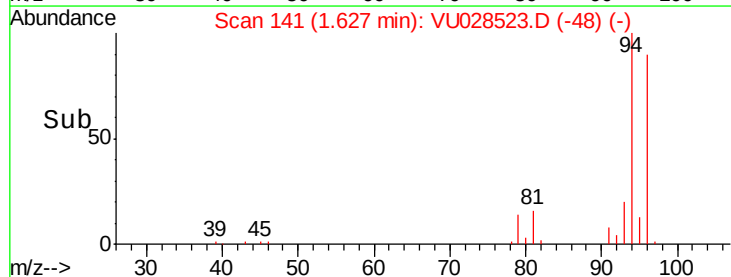
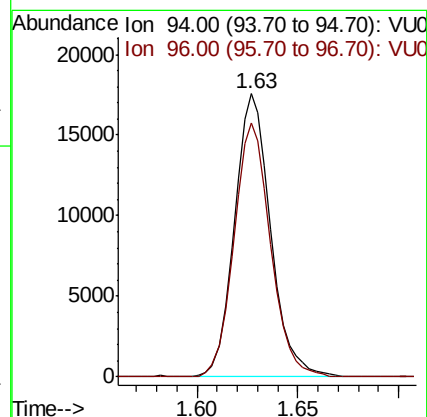
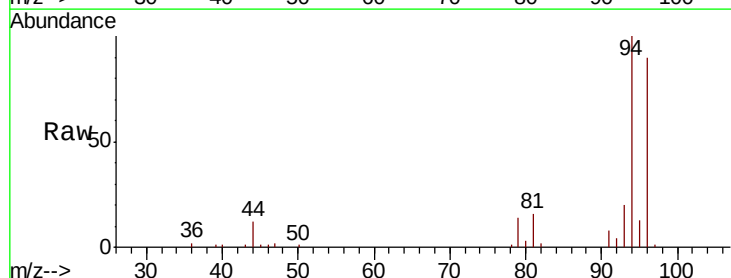
Acq: 07 Dec 2018 10:36

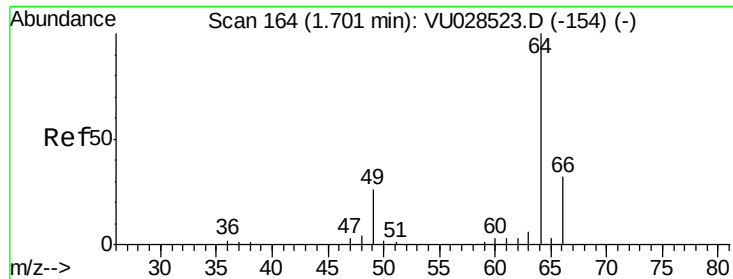
Tgt Ion: 94 Resp: 22049

Ion Ratio Lower Upper

94 100

96 89.9 62.9 116.9

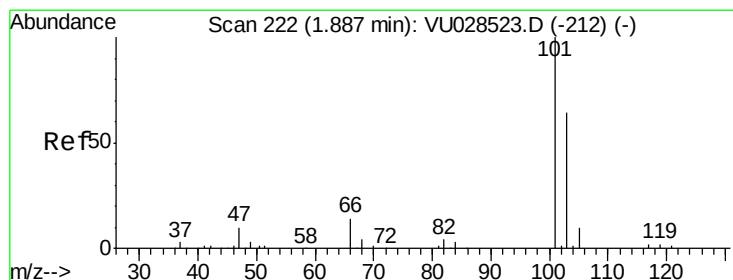
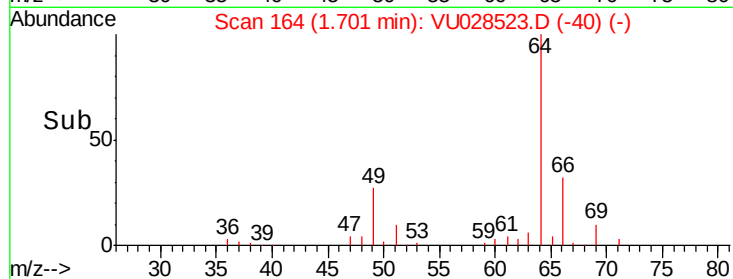
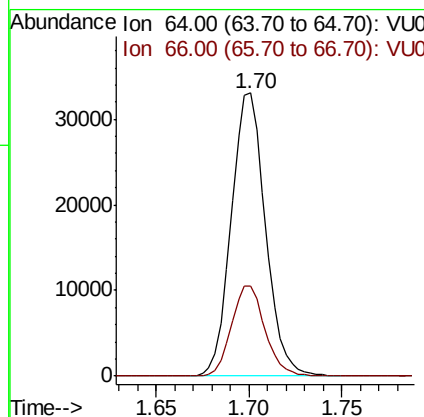
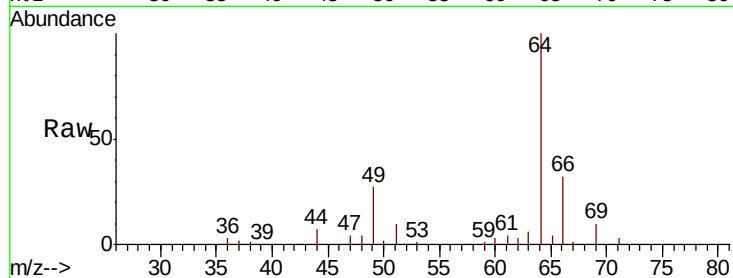




#8
Chloroethane
Concen: 47.640 ug/L
RT: 1.70 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

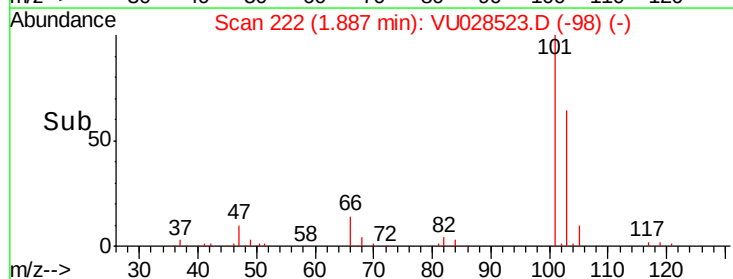
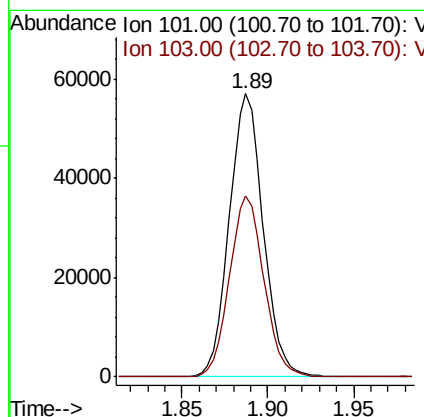
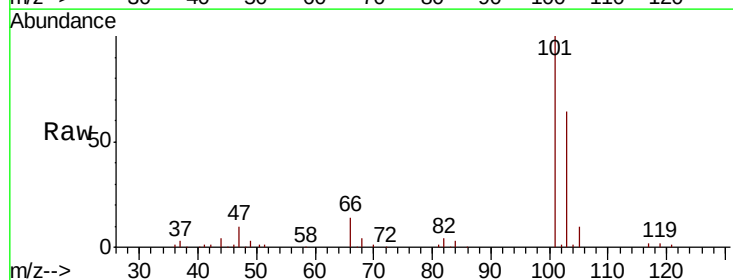
Instrument :
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ClientSampleId :
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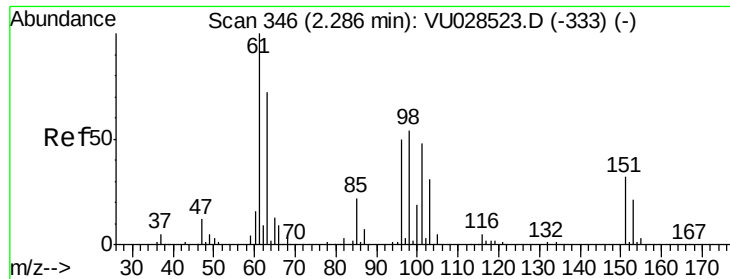
Tgt Ion: 64 Resp: 42437
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 48.125 ug/L
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

Tgt Ion: 101 Resp: 78188
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 50.121 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

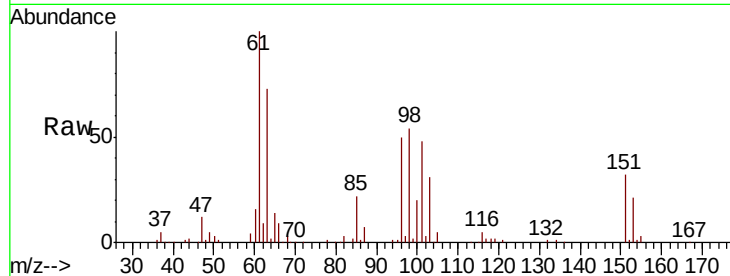
Tgt Ion: 101 Resp: 47619

Ion Ratio Lower Upper

101 100

85 46.0 36.8 55.2

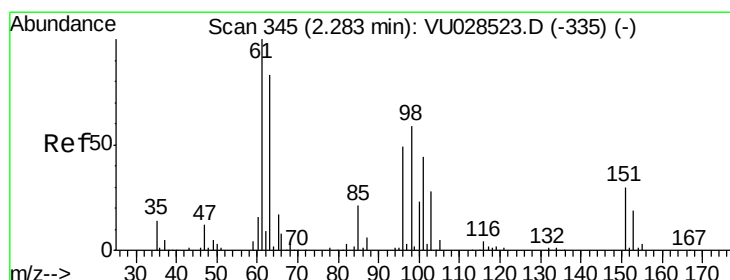
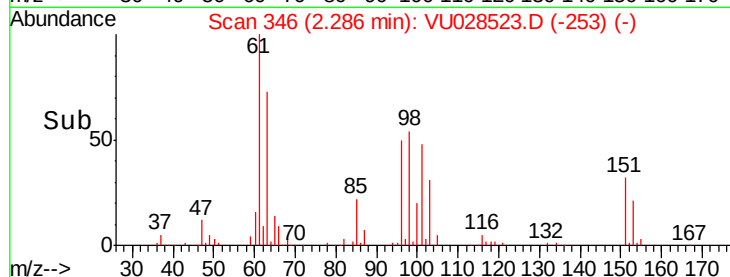
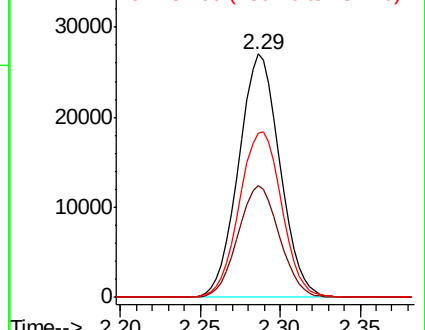
151 69.8 55.8 83.8



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: 48.350 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

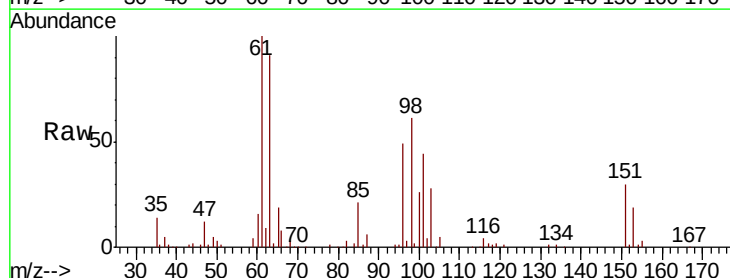
Tgt Ion: 96 Resp: 44069

Ion Ratio Lower Upper

96 100

61 204.6 143.2 266.0

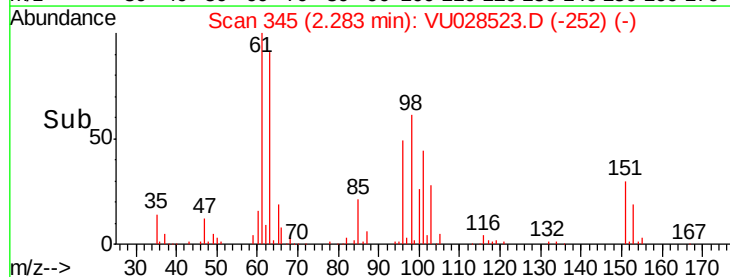
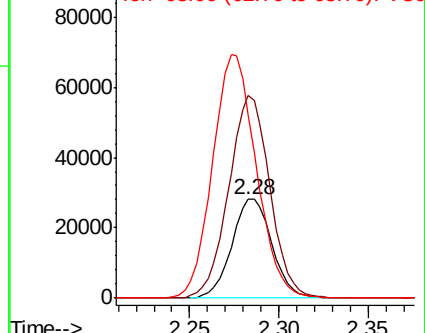
63 185.9 130.1 241.7

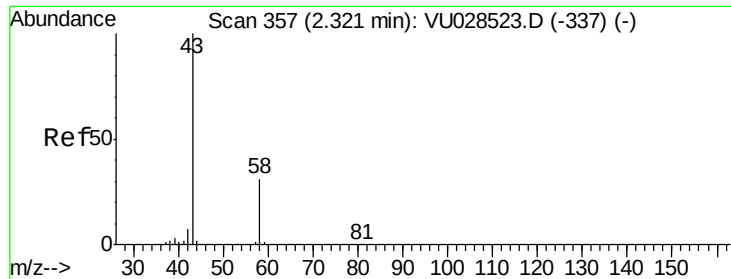


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.553 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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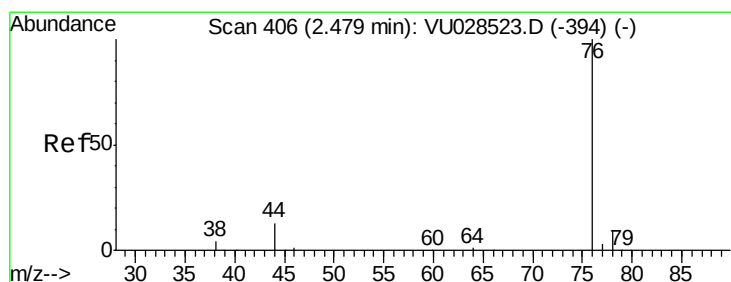
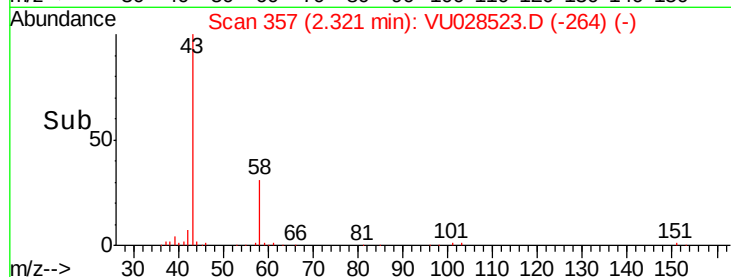
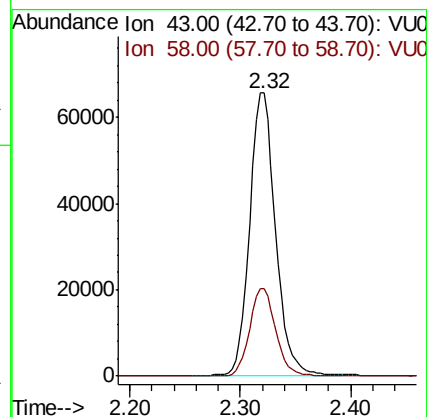
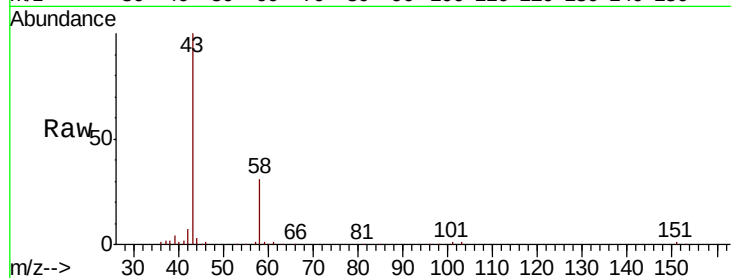
VSTD05056

Tgt Ion: 43 Resp: 107044

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.0



#14

Carbon disulfide

Concen: 46.851 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028523.D

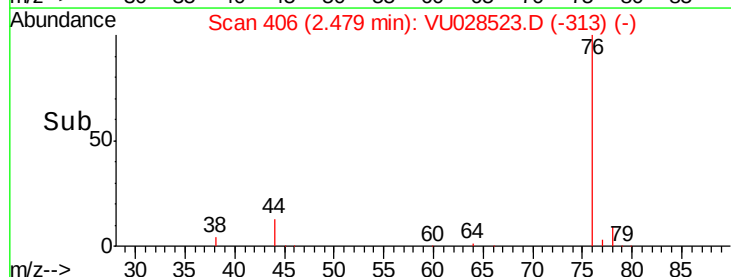
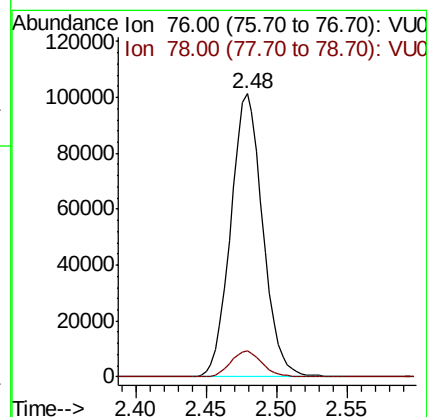
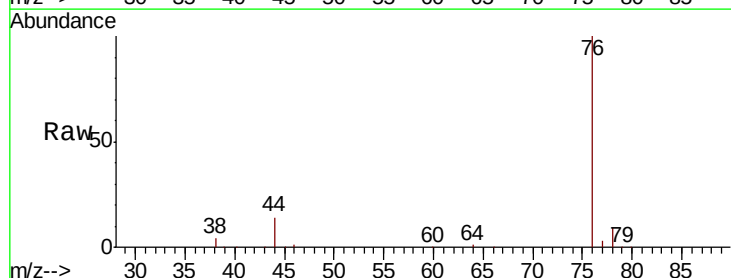
Acq: 07 Dec 2018 10:36

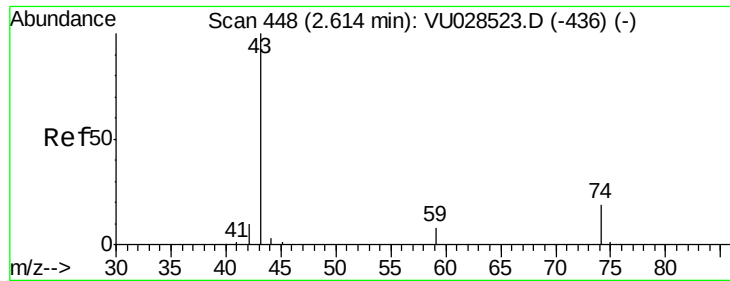
Tgt Ion: 76 Resp: 161097

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

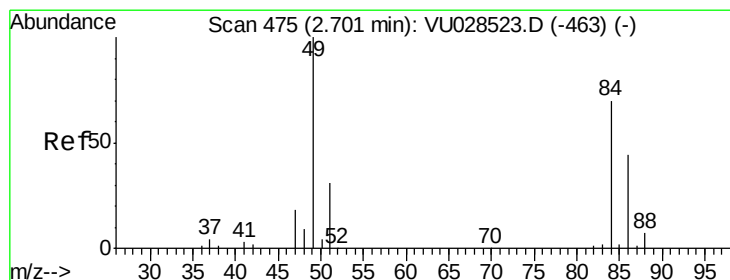
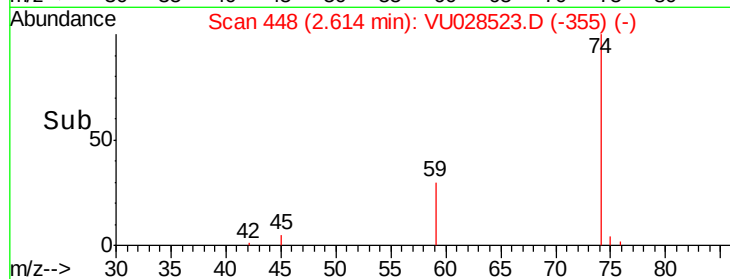
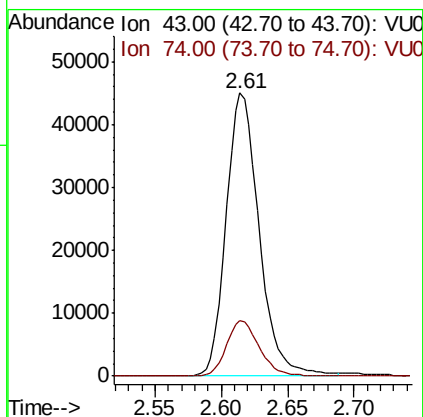
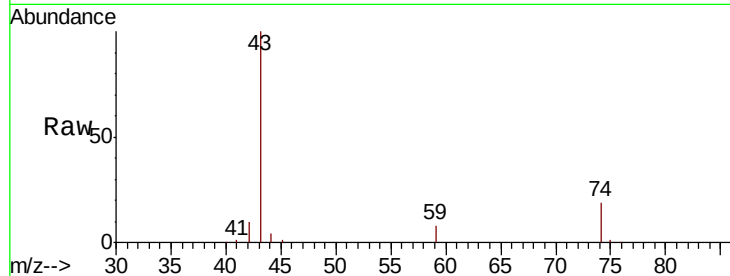




#15
Methyl Acetate
Concen: 47.961 ug/L
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

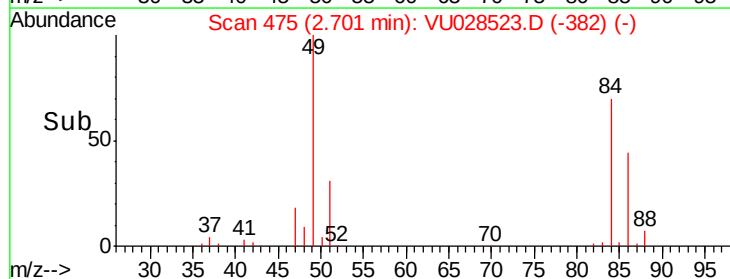
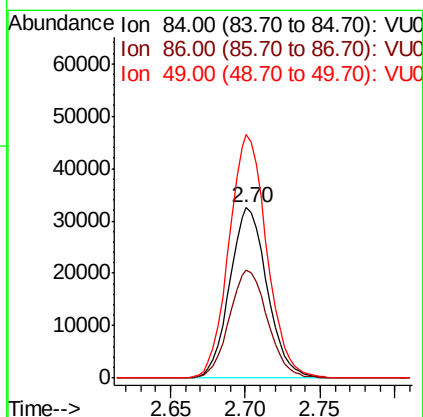
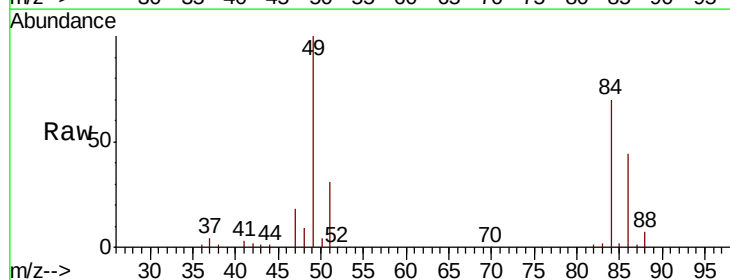
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

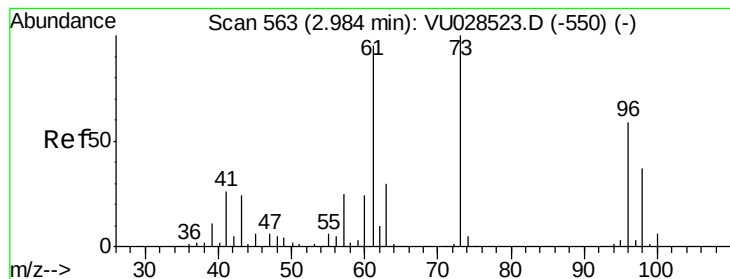
Tgt Ion: 43 Resp: 78077
Ion Ratio Lower Upper
43 100
74 19.2 15.4 23.0



#16
Methylene chloride
Concen: 48.136 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

Tgt Ion: 84 Resp: 56760
Ion Ratio Lower Upper
84 100
86 63.3 44.3 82.3
49 142.8 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 49.152 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

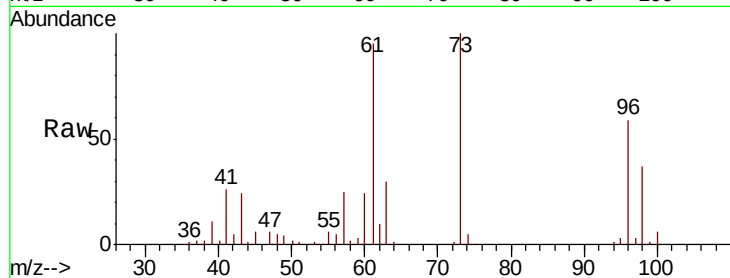
Tgt Ion: 96 Resp: 50897

Ion Ratio Lower Upper

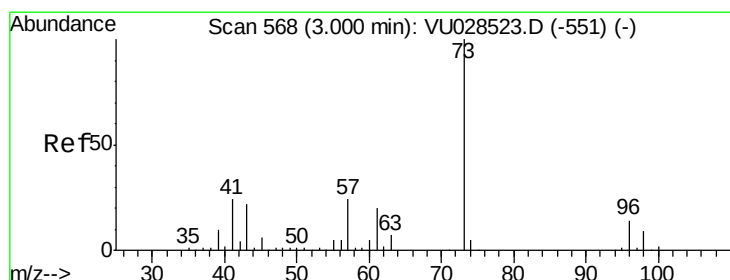
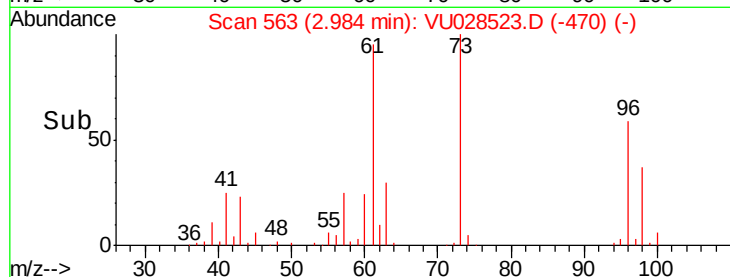
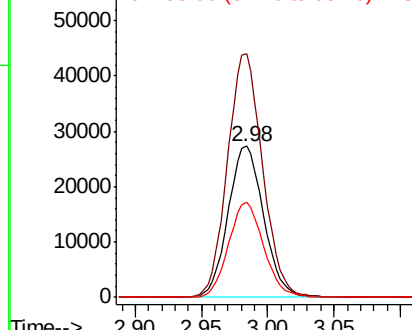
96 100

61 161.1 112.8 209.4

98 62.5 43.8 81.3



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: 48.154 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

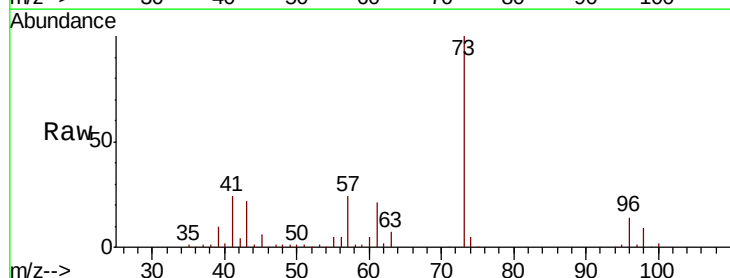
Tgt Ion: 73 Resp: 172939

Ion Ratio Lower Upper

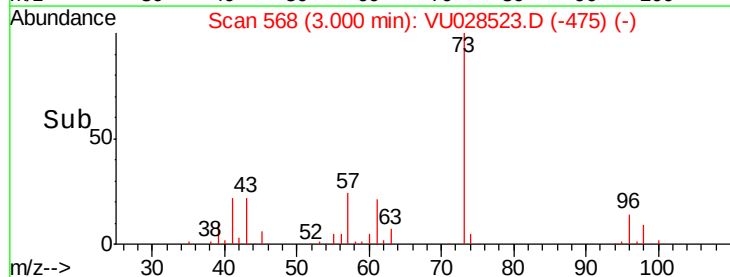
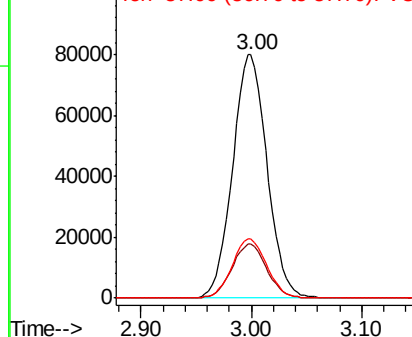
73 100

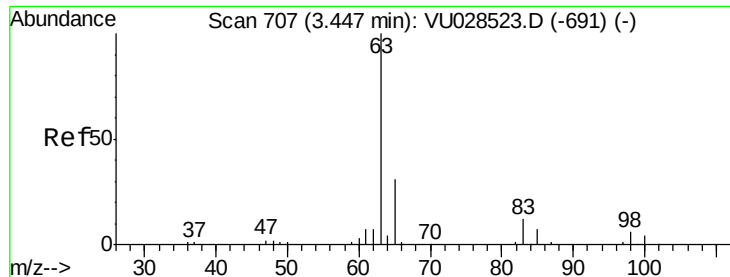
43 22.6 18.1 27.1

57 24.6 19.7 29.5



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

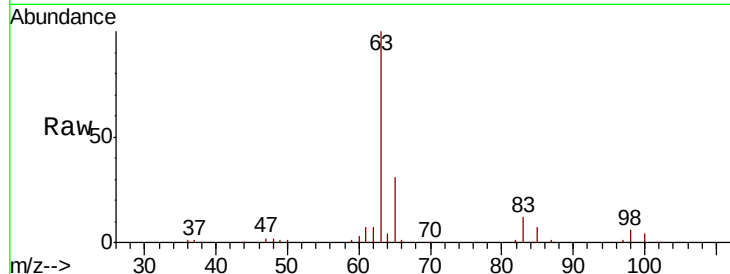




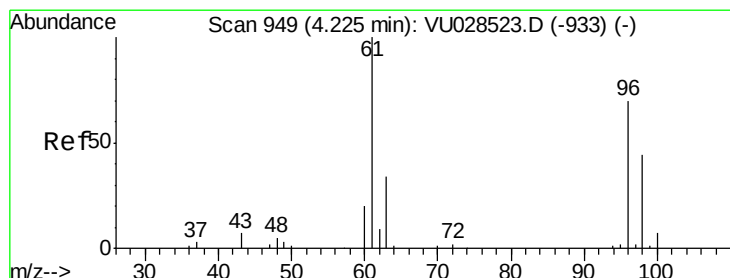
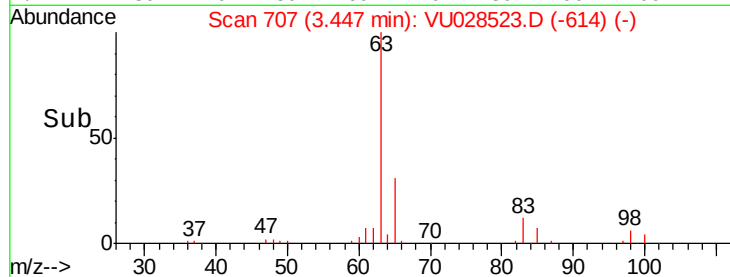
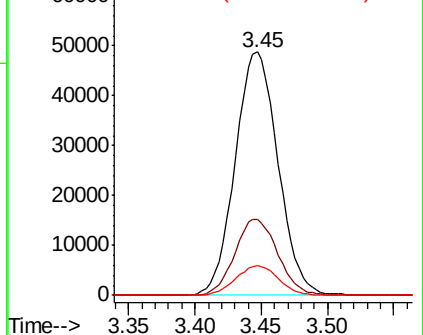
#19
 1,1-Dichloroethane
 Concen: 48.896 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion: 63 Resp: 109500
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.8 40.4
 83 12.1 8.5 15.7

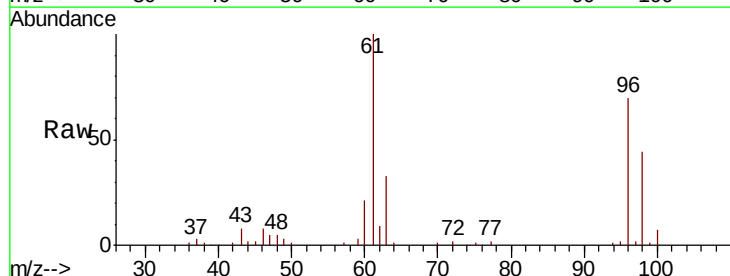


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

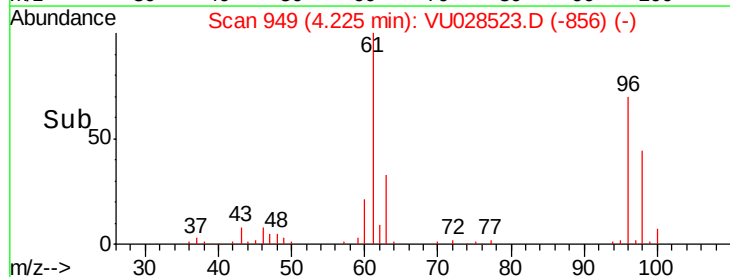
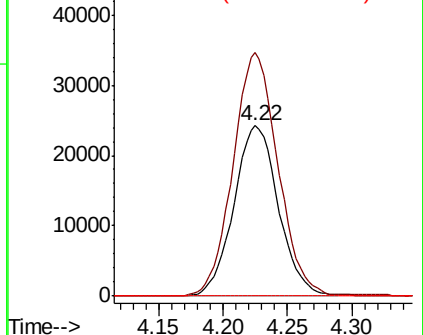


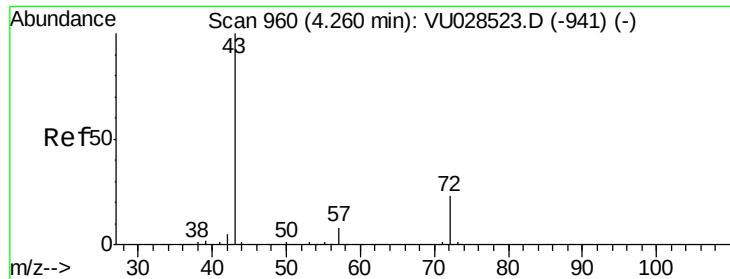
#20
 cis-1,2-Dichloroethene
 Concen: 48.789 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Tgt Ion: 96 Resp: 58273
 Ion Ratio Lower Upper
 96 100
 61 143.0 100.1 185.9
 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: 96.083 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

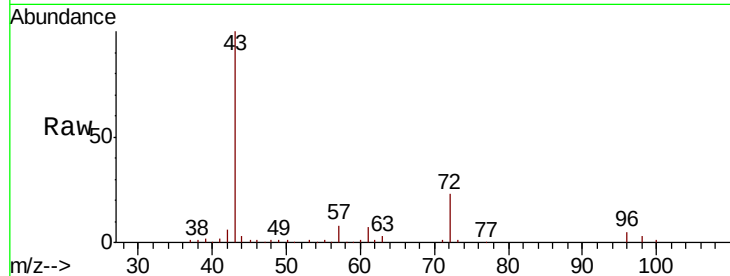
VSTD05056

Tgt Ion: 43 Resp: 131560

Ion Ratio Lower Upper

43 100

72 23.7 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU028523.D (-941) (-)

Ion 72.00 (71.70 to 72.70): VU028523.D (-941) (-)

4.26

60000

50000

40000

30000

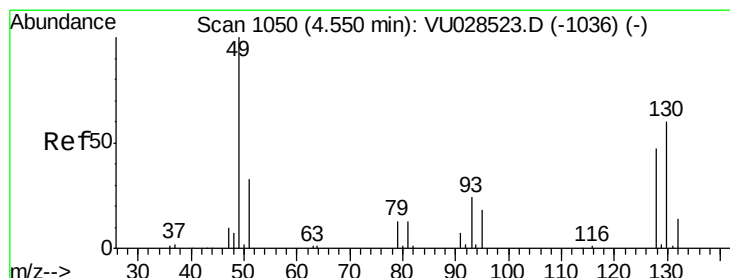
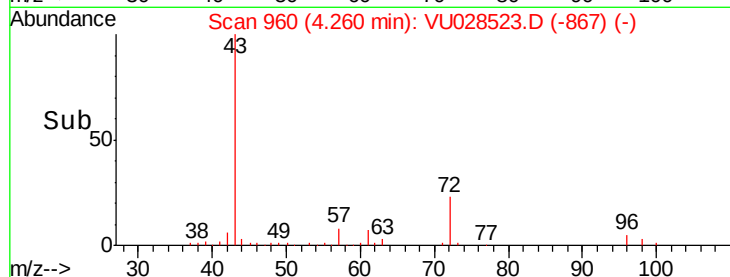
20000

10000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 49.083 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Tgt Ion: 128 Resp: 25698

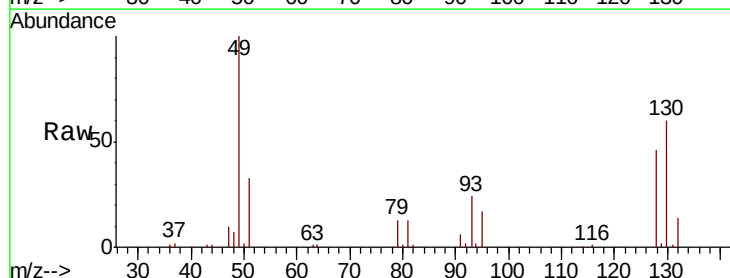
Ion Ratio Lower Upper

128 100

49 215.5 150.8 280.1

130 129.8 90.9 168.7

51 70.9 56.7 85.1



Abundance Ion 128.00 (127.70 to 128.70): VU028523.D (-1036) (-)

Ion 49.00 (48.70 to 49.70): VU028523.D (-1036) (-)

Ion 130.00 (129.70 to 130.70): VU028523.D (-1036) (-)

Ion 51.00 (50.70 to 51.70): VU028523.D (-1036) (-)

4.55

30000

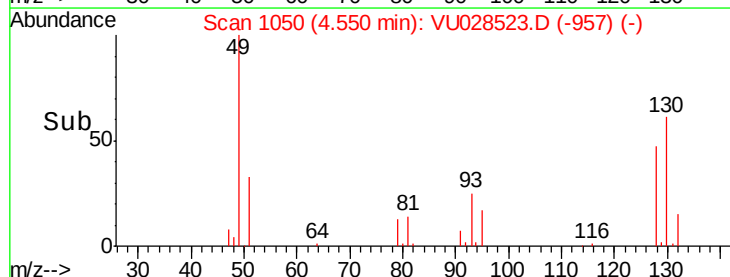
20000

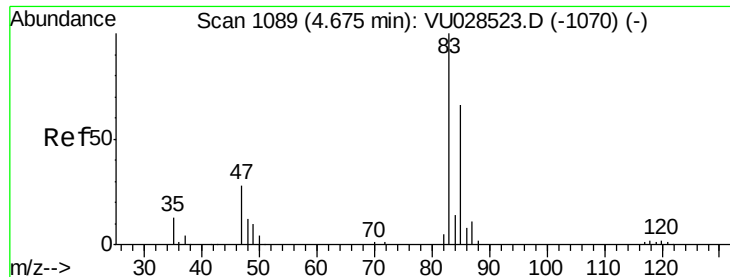
10000

0

4.45 4.50 4.55 4.60 4.65

Time-->

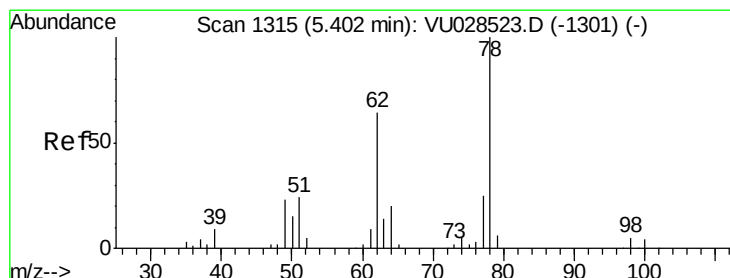
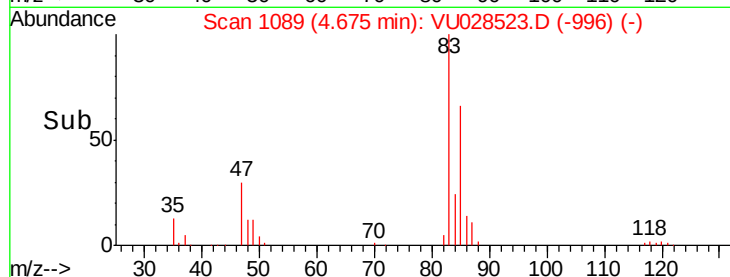
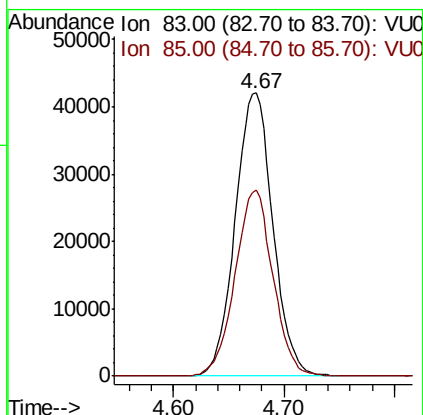
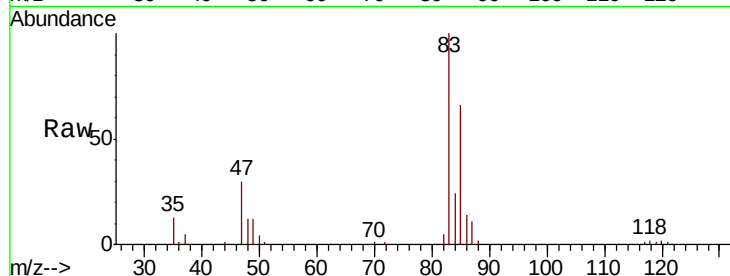




#25
Chloroform
Concen: 48.632 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

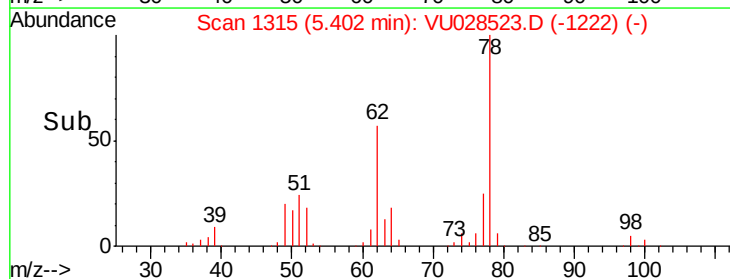
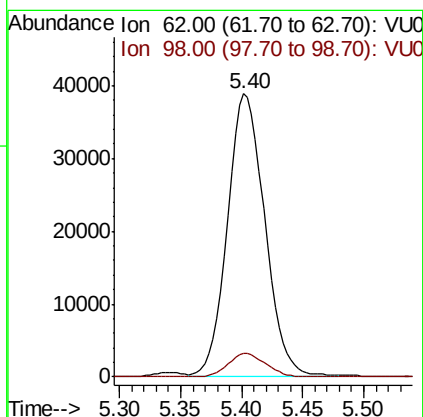
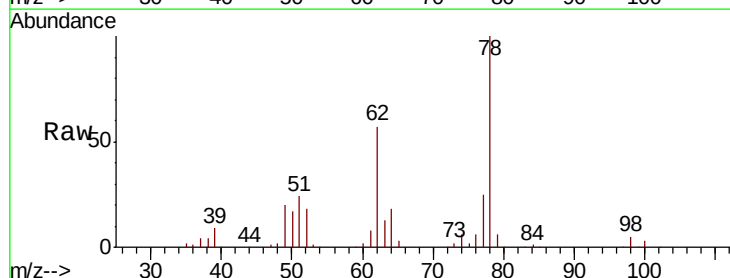
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

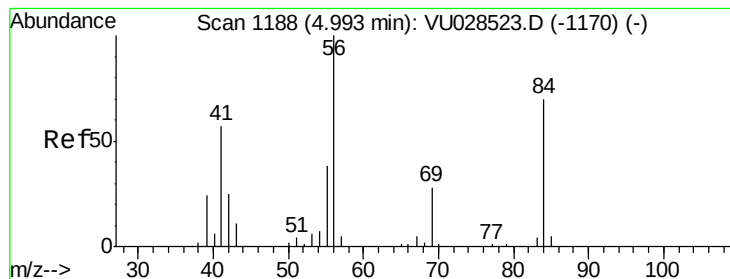
Tgt Ion: 83 Resp: 99532
Ion Ratio Lower Upper
83 100
85 65.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 49.111 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

Tgt Ion: 62 Resp: 83238
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

Cyclohexane

Concen: 47.581 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

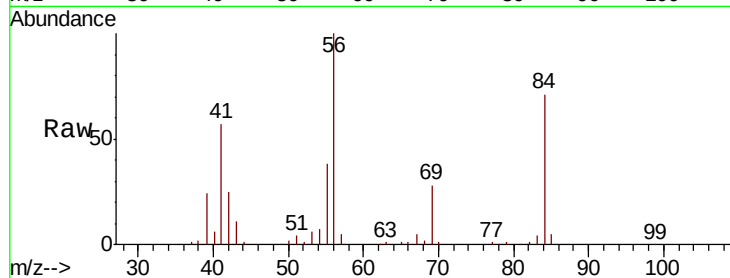
Tgt Ion: 56 Resp: 107586

Ion Ratio Lower Upper

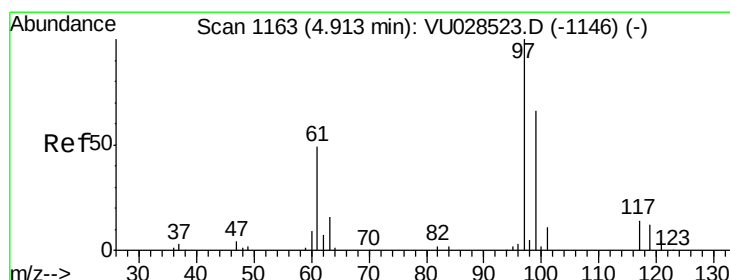
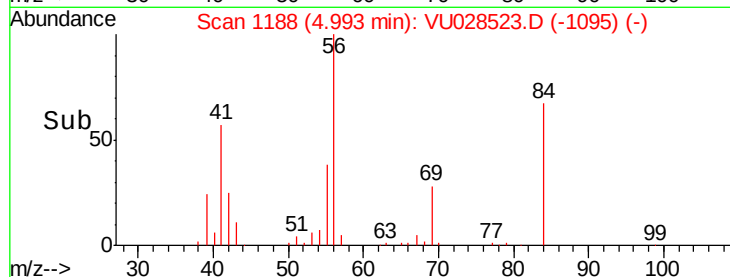
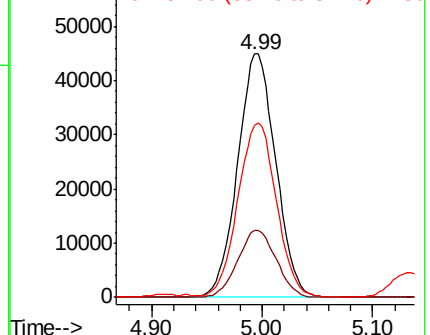
56 100

69 27.7 22.2 33.2

84 71.9 57.5 86.3



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: 48.667 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

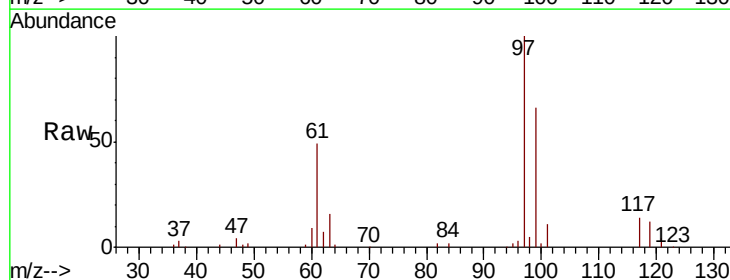
Tgt Ion: 97 Resp: 80561

Ion Ratio Lower Upper

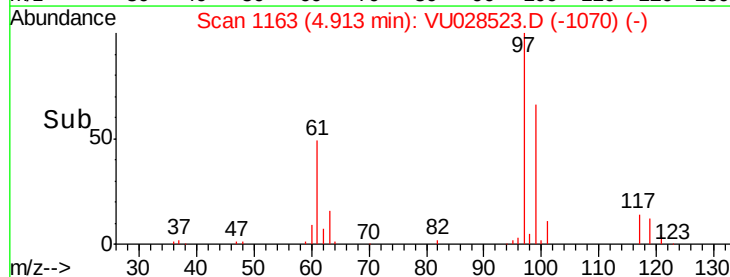
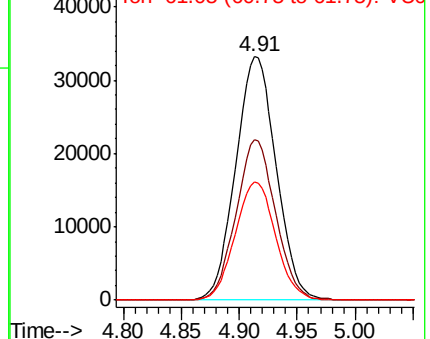
97 100

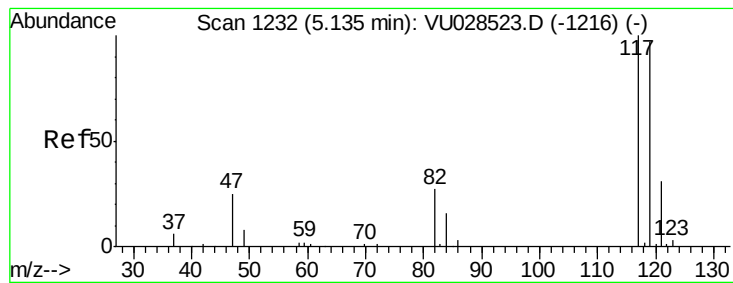
99 64.2 51.4 77.0

61 48.4 38.7 58.1



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: 48.128 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

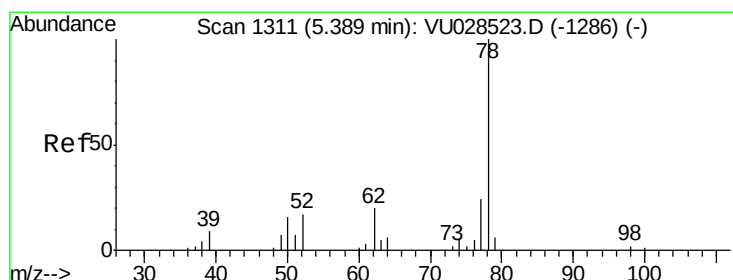
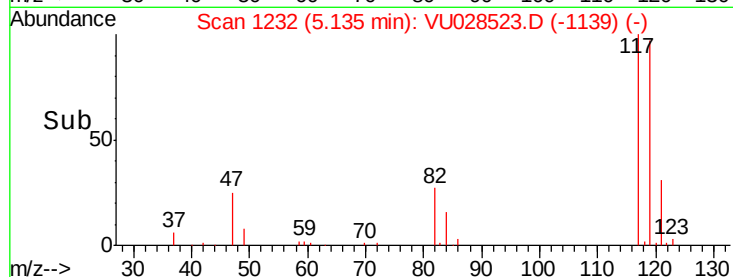
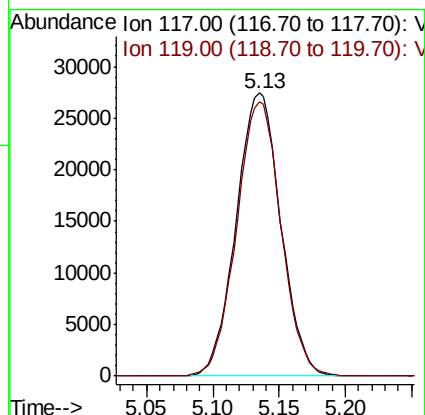
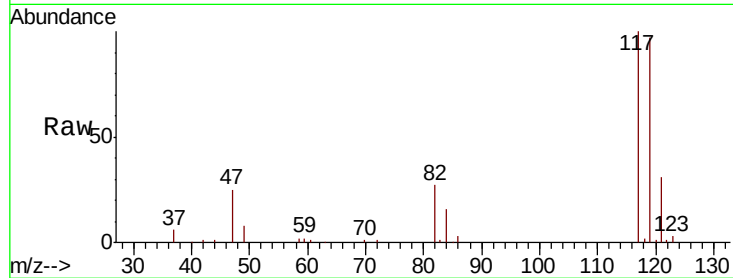
VSTD05056

Tgt Ion:117 Resp: 64079

Ion Ratio Lower Upper

117 100

119 96.8 77.4 116.2



#33

Benzene

Concen: 48.293 ug/L

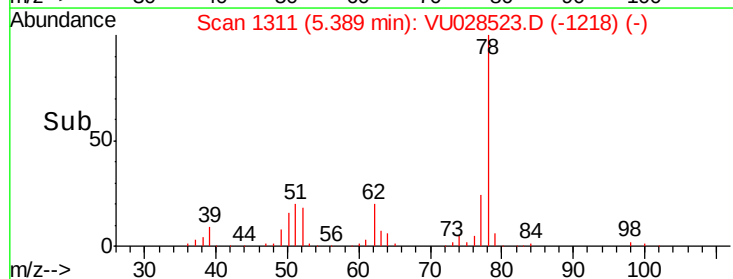
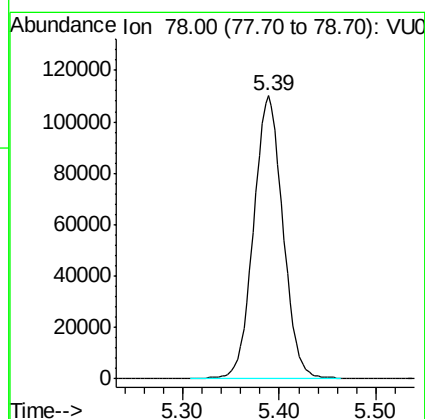
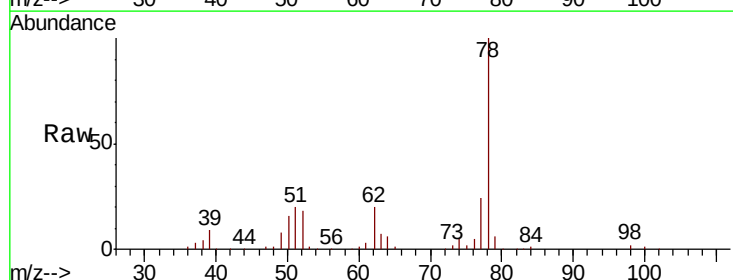
RT: 5.39 min Scan# 1311

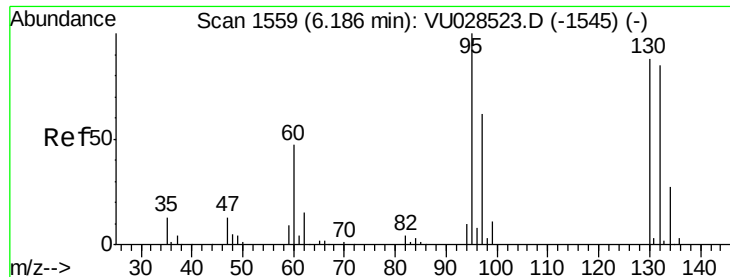
Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Tgt Ion: 78 Resp: 232053





#34

Trichloroethene

Concen: 48.950 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion: 95 Resp: 56551

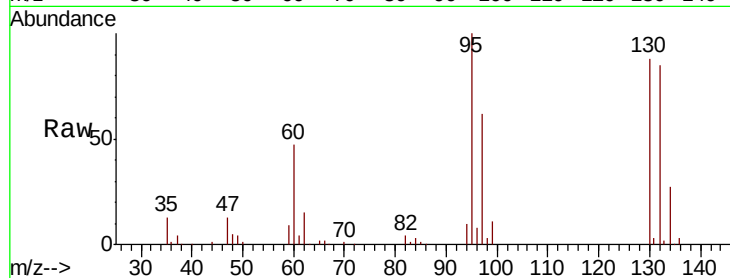
Ion Ratio Lower Upper

95 100

97 62.2 43.5 80.9

132 85.1 59.6 110.6

130 88.3 61.8 114.8

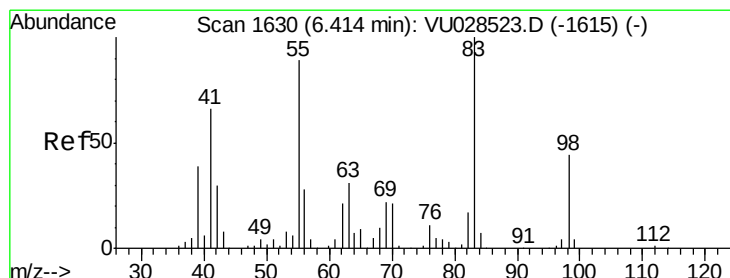
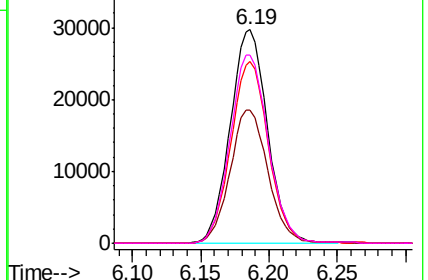
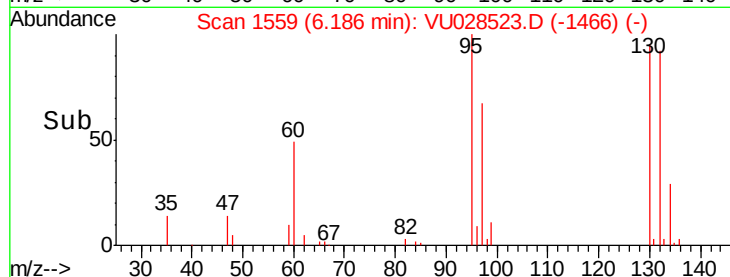


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 48.116 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

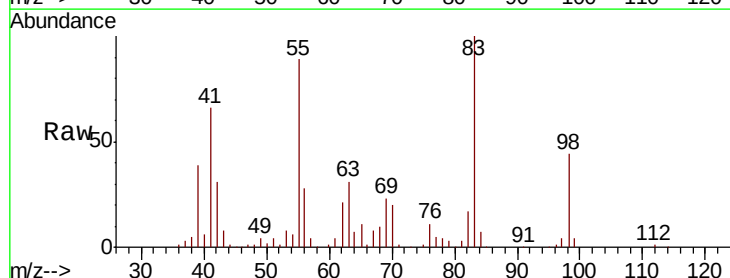
Tgt Ion: 83 Resp: 96145

Ion Ratio Lower Upper

83 100

55 87.6 70.1 105.1

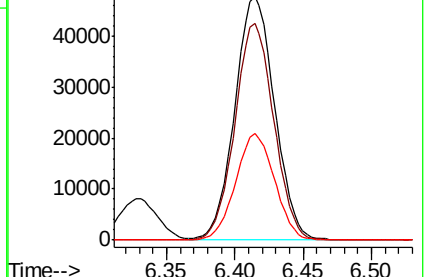
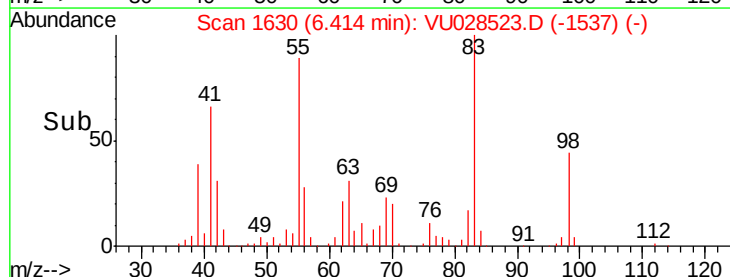
98 43.0 34.4 51.6

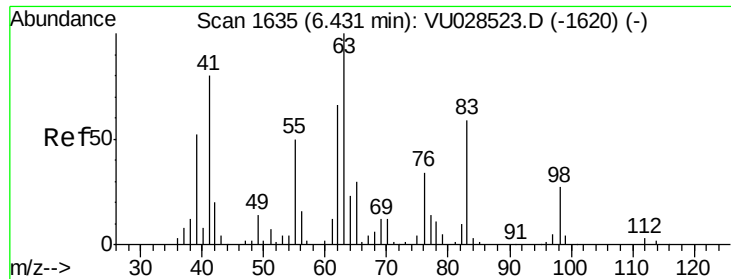


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

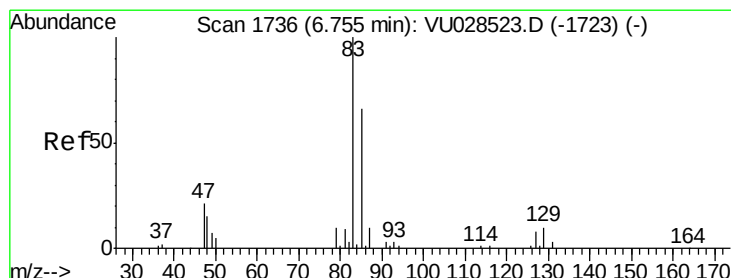
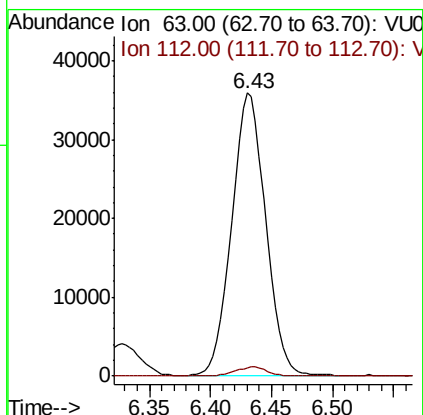
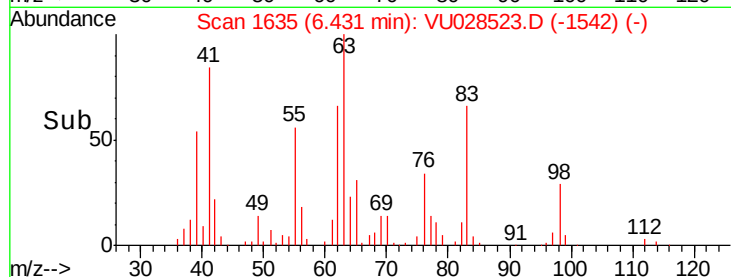
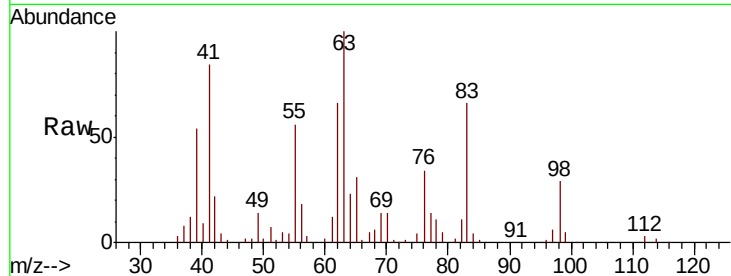




#37
 1,2-Dichloropropane
 Concen: 48.877 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

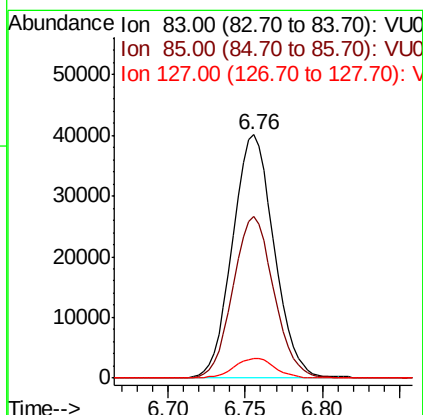
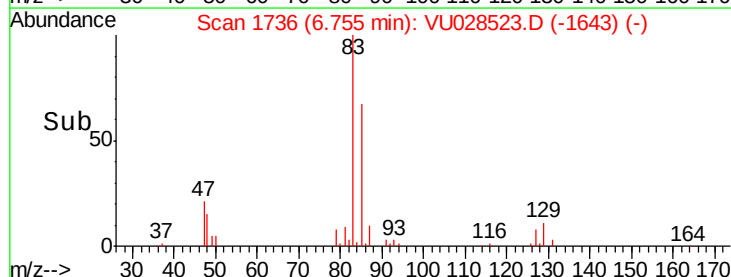
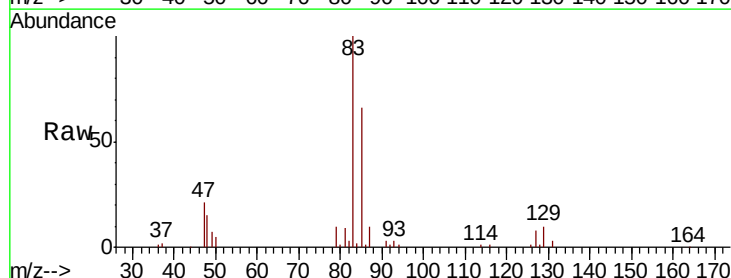
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

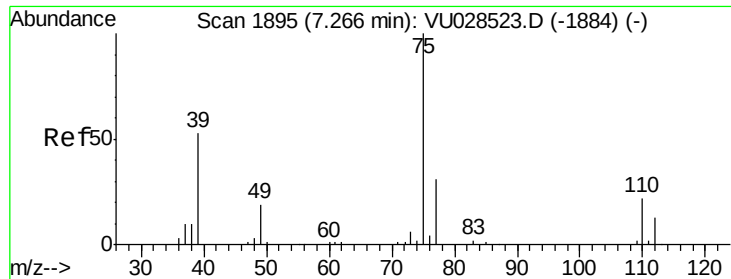
Tgt Ion: 63 Resp: 69615
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.4 3.6



#38
 Bromodichloromethane
 Concen: 47.592 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Tgt Ion: 83 Resp: 75050
 Ion Ratio Lower Upper
 83 100
 85 66.4 46.5 86.3
 127 7.9 6.3 9.5

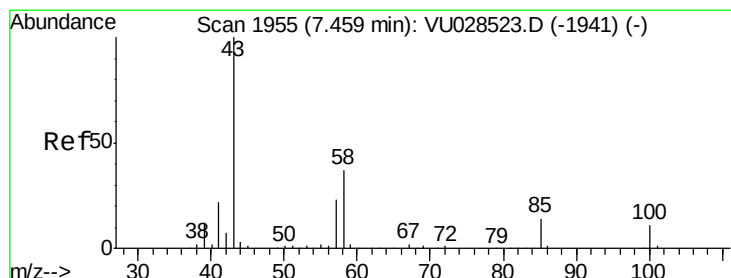
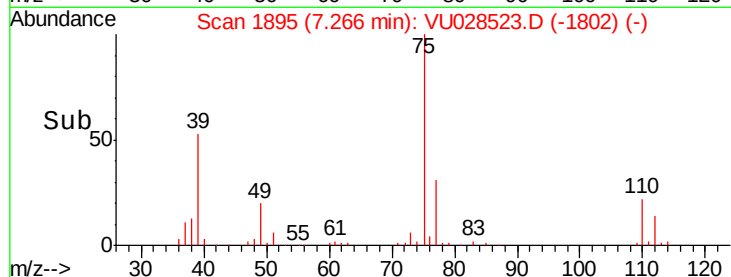
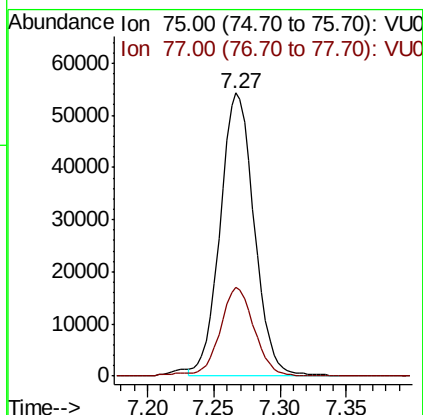
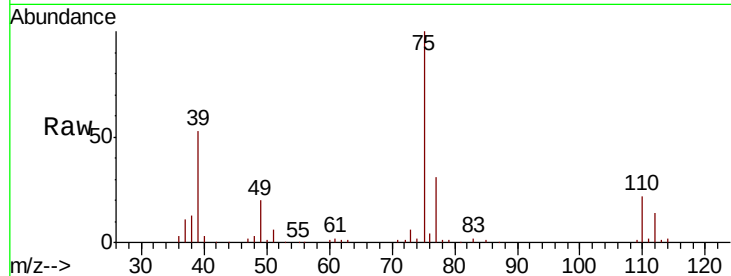




#39
 cis-1,3-Dichloropropene
 Concen: 47.655 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

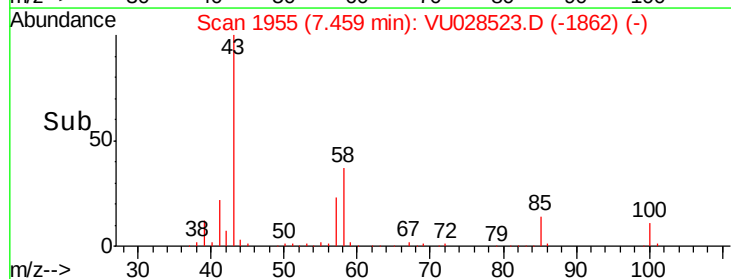
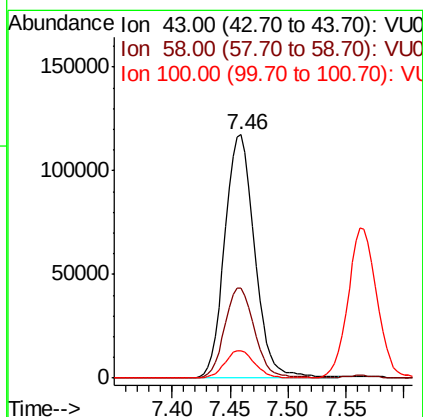
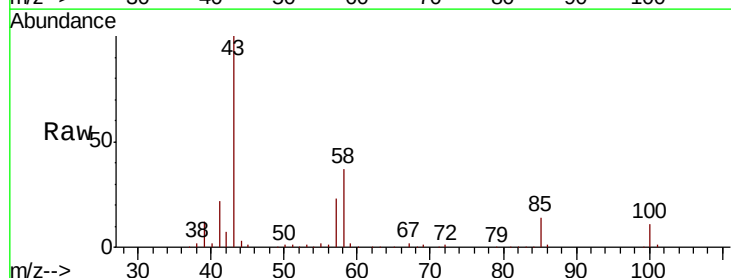
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

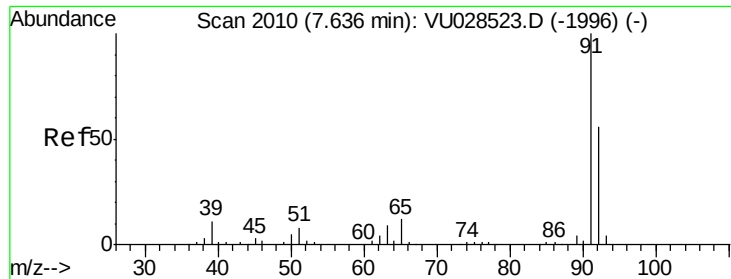
Tgt Ion: 75 Resp: 96454
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 94.016 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Tgt Ion: 43 Resp: 210080
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.6 44.4
 100 11.2 9.0 13.4





#42

Toluene

Concen: 48.638 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

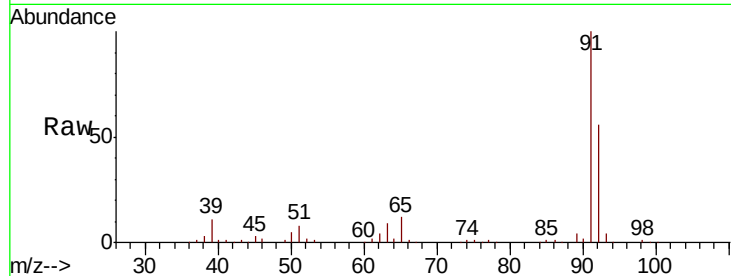
VSTD05056

Tgt Ion: 91 Resp: 237356

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

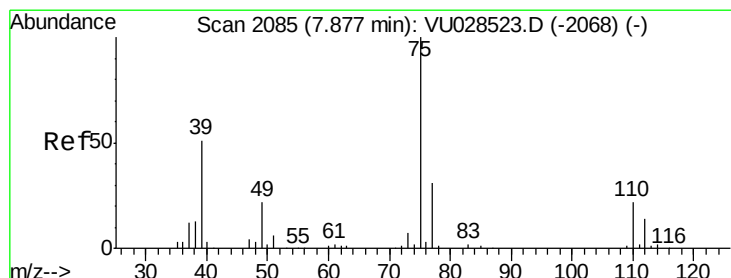
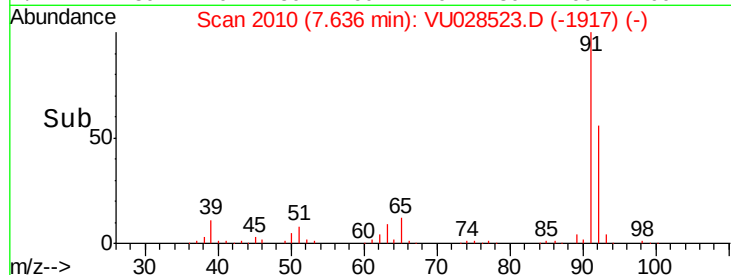
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.748 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028523.D

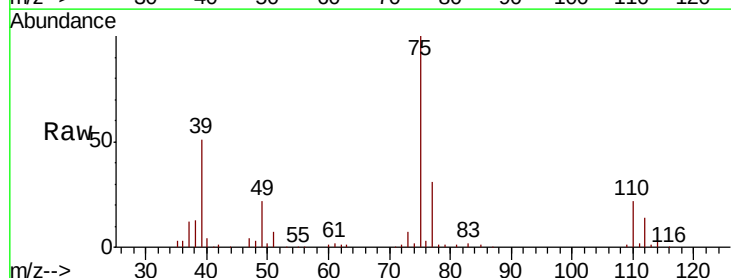
Acq: 07 Dec 2018 10:36

Tgt Ion: 75 Resp: 90410

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

60000

50000

40000

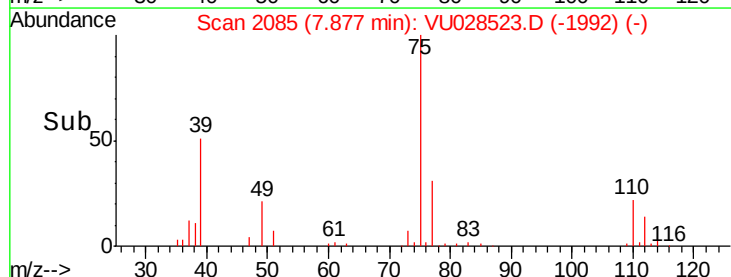
30000

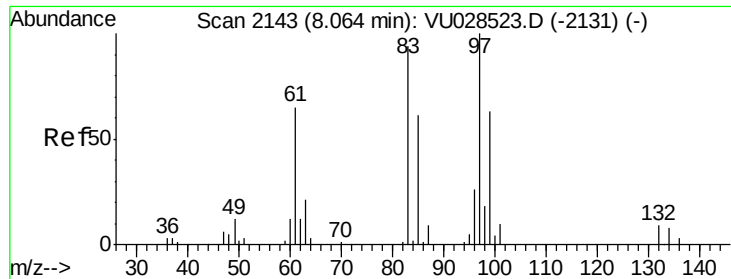
20000

10000

0

Time-->

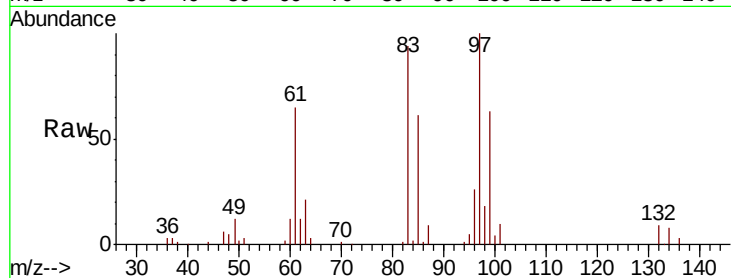




#45
 1,1,2-Trichloroethane
 Concen: 48.974 ug/L
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion:	97	Resp:	54435
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	94.3	66.0	122.6
85	60.7	42.5	78.9



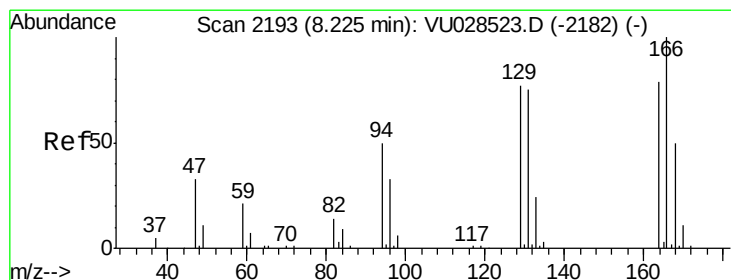
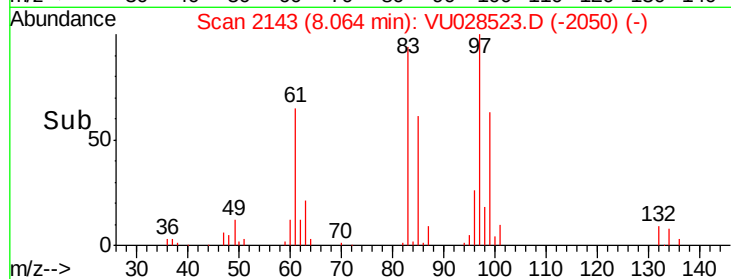
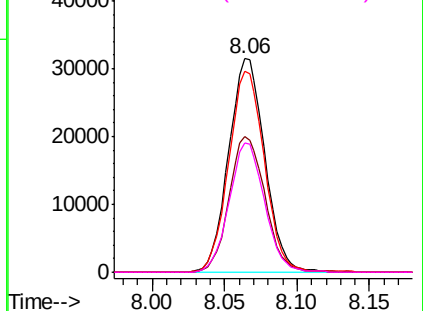
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

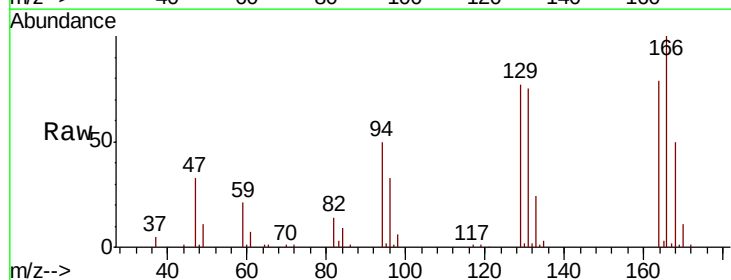
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 48.565 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Tgt Ion:	164	Resp:	39315
Ion	Ratio	Lower	Upper
164	100		
129	97.4	68.2	126.6
131	94.4	66.1	122.7
166	126.1	88.3	163.9



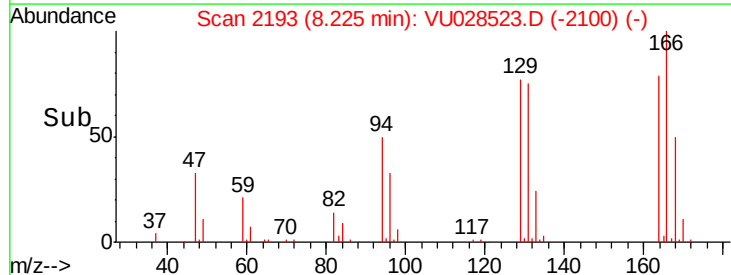
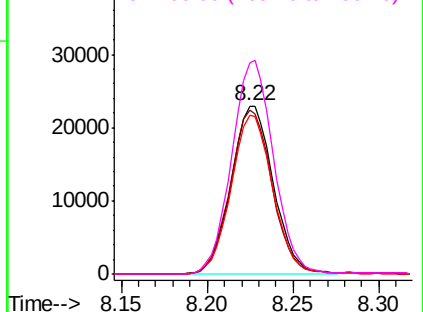
Abundance

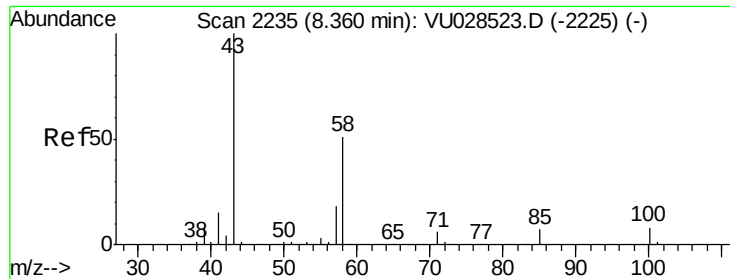
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

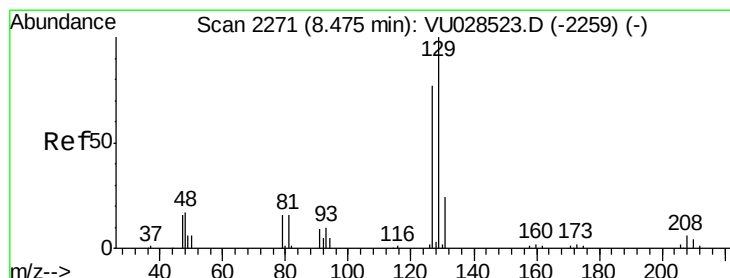
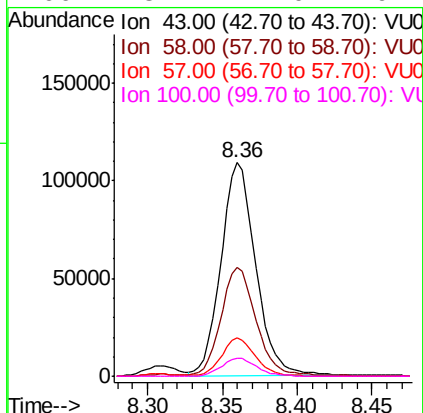
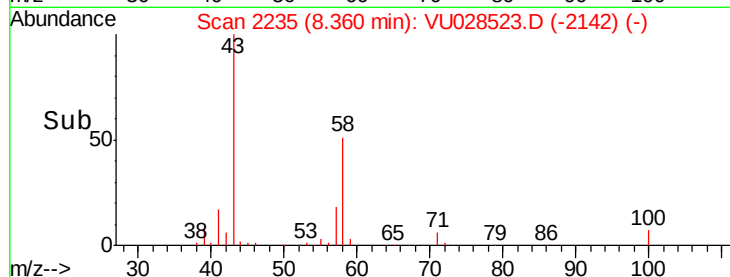
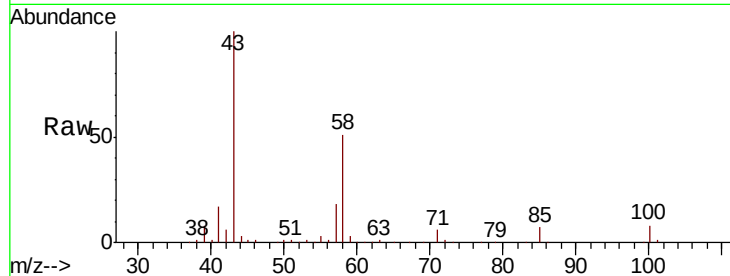




#48
2-Hexanone
Concen: 93.272 ug/L
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

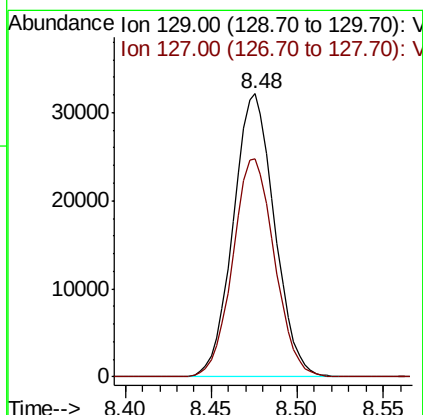
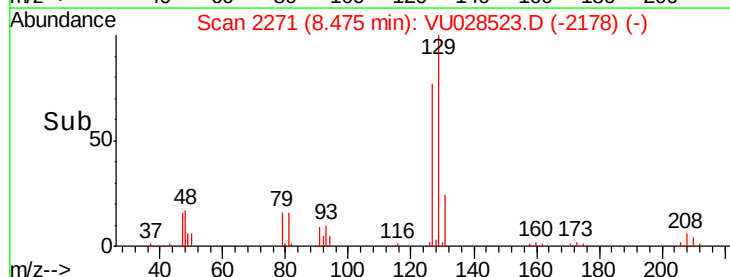
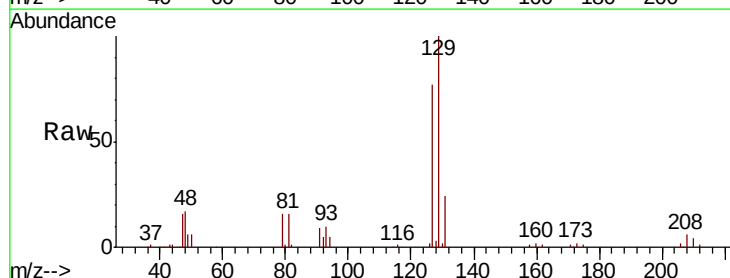
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

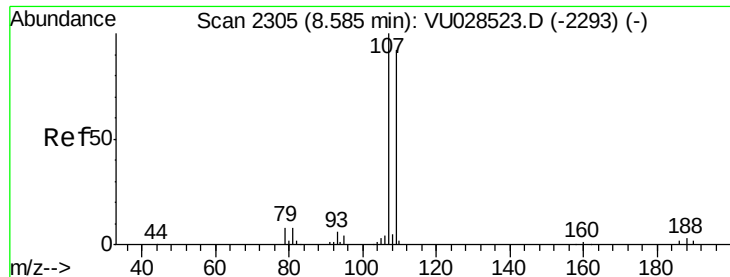
Tgt Ion: 43 Resp: 174825
Ion Ratio Lower Upper
43 100
58 52.0 41.6 62.4
57 17.2 13.8 20.6
100 8.7 7.0 10.4



#49
Dibromochloromethane
Concen: 47.475 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

Tgt Ion: 129 Resp: 53703
Ion Ratio Lower Upper
129 100
127 77.1 54.0 100.2

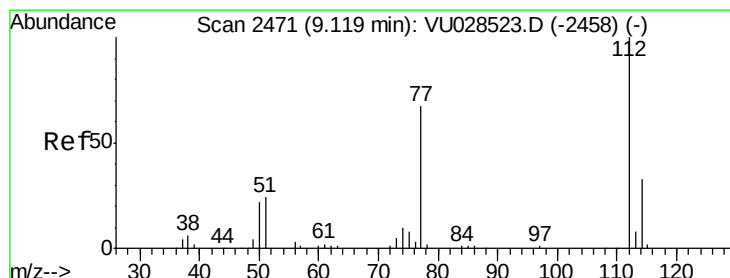
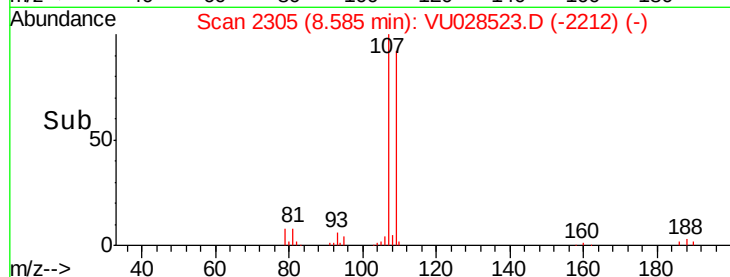
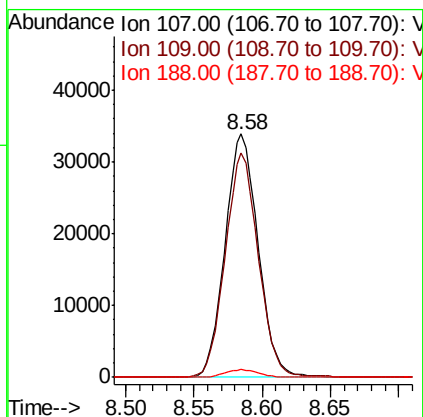
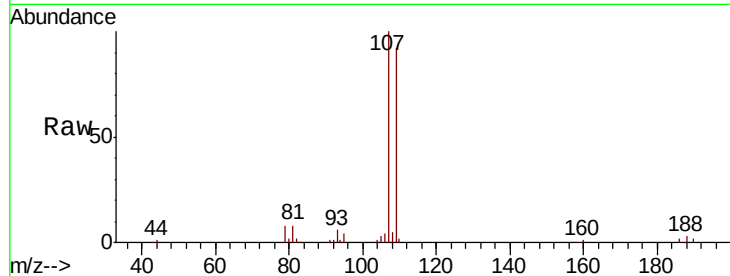




#50
1,2-Dibromoethane
Concen: 48.075 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

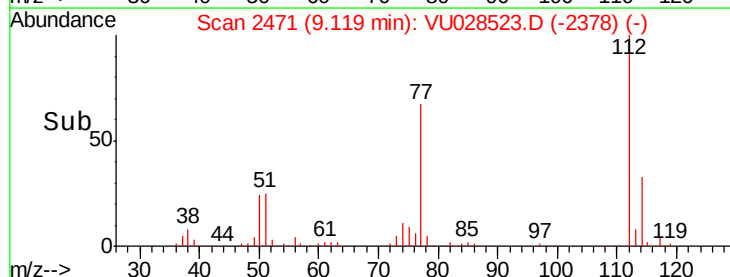
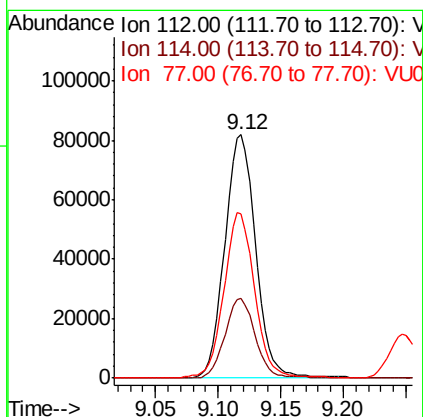
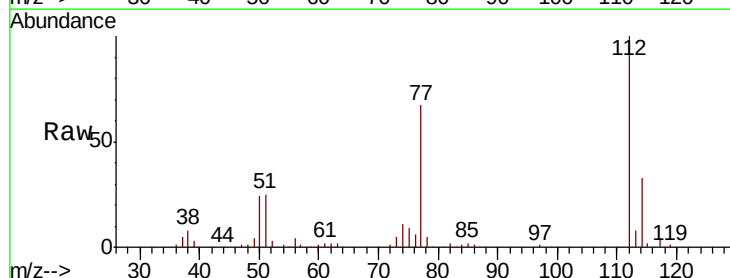
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

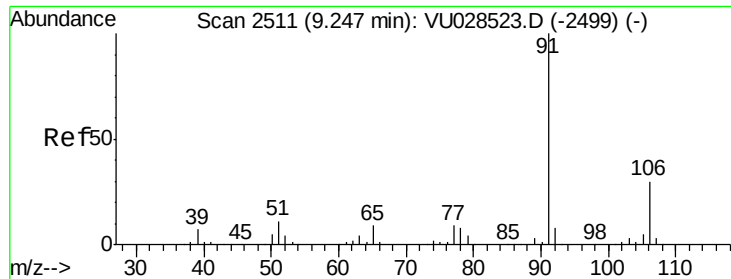
Tgt Ion:107 Resp: 57084
Ion Ratio Lower Upper
107 100
109 92.2 64.5 119.9
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 48.063 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

Tgt Ion:112 Resp: 140073
Ion Ratio Lower Upper
112 100
114 32.8 23.0 42.6
77 67.4 53.9 80.9

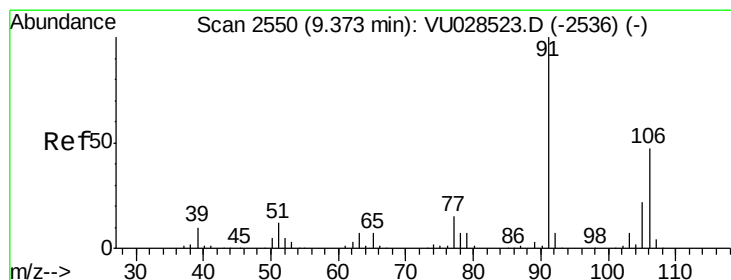
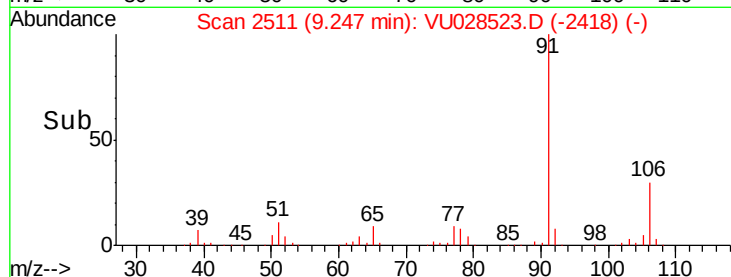
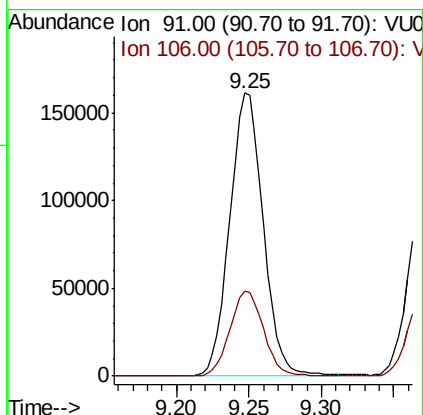
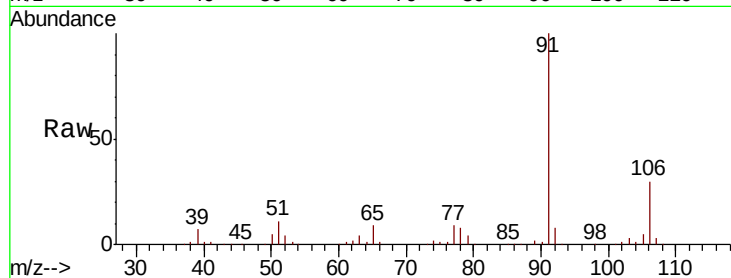




#52
Ethylbenzene
Concen: 47.924 ug/L
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

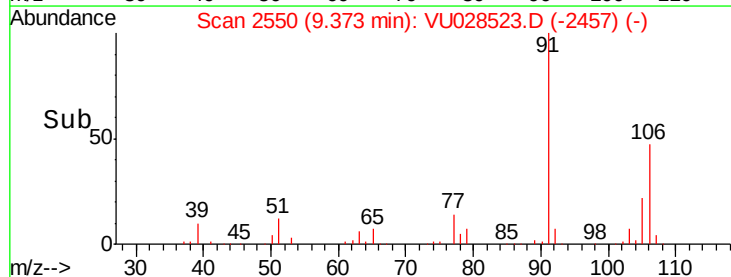
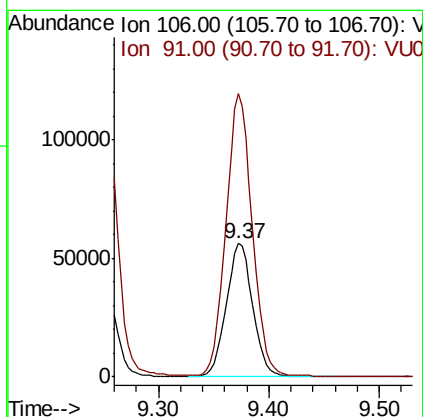
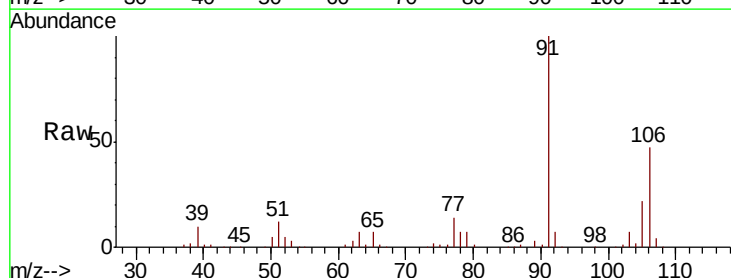
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

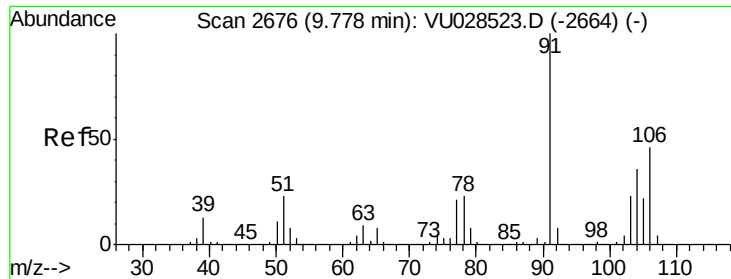
Tgt Ion: 91 Resp: 258409
Ion Ratio Lower Upper
91 100
106 30.0 21.0 39.0



#53
m,p-Xylene
Concen: 48.668 ug/L
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

Tgt Ion: 106 Resp: 93845
Ion Ratio Lower Upper
106 100
91 212.6 148.8 276.4

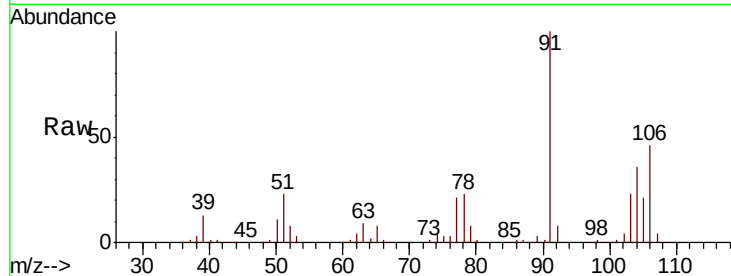




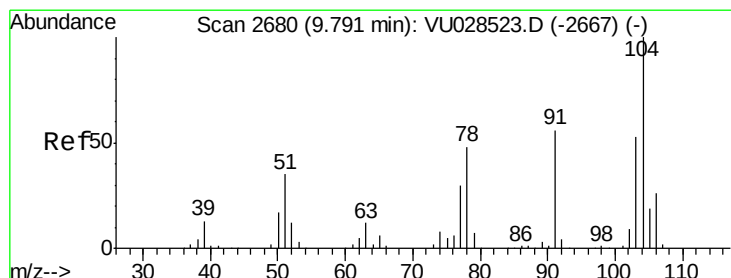
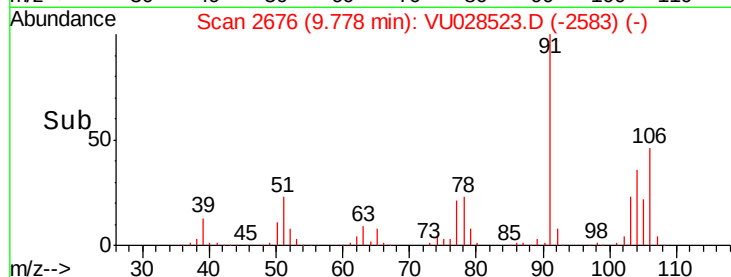
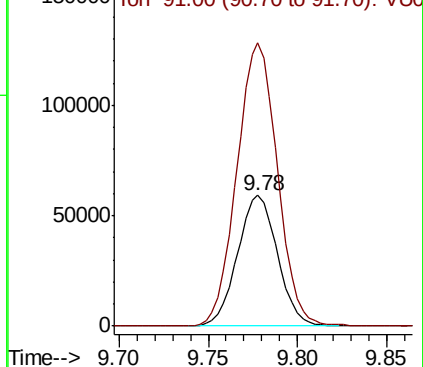
#54
o-xylene
Concen: 48.344 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion:106 Resp: 92161
Ion Ratio Lower Upper
106 100
91 216.3 151.4 281.2

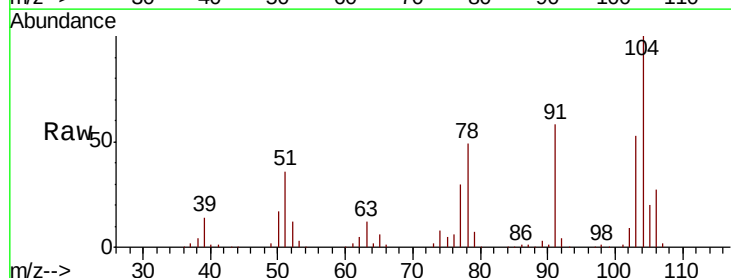


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

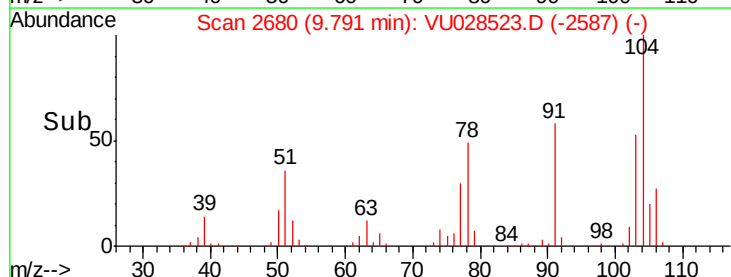
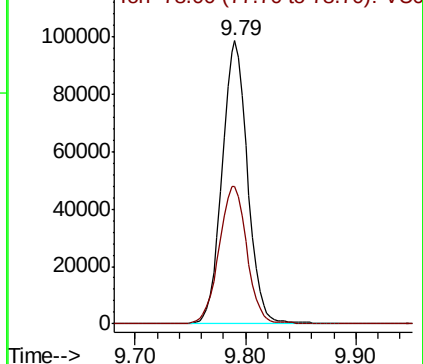


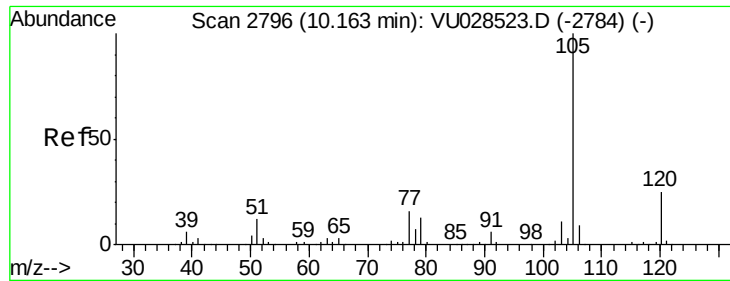
#55
Styrene
Concen: 48.264 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028523.D
Acq: 07 Dec 2018 10:36

Tgt Ion:104 Resp: 157720
Ion Ratio Lower Upper
104 100
78 48.7 34.1 63.3



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





#56

Isopropylbenzene

Concen: 48.437 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

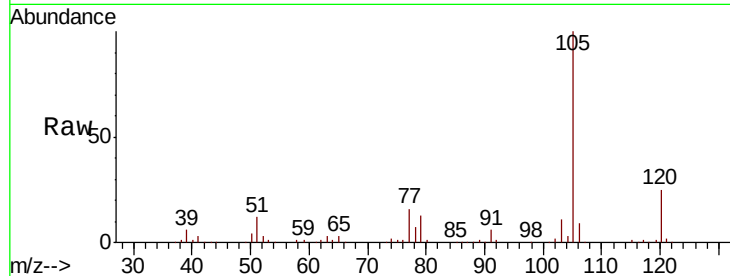
Tgt Ion: 105 Resp: 243864

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

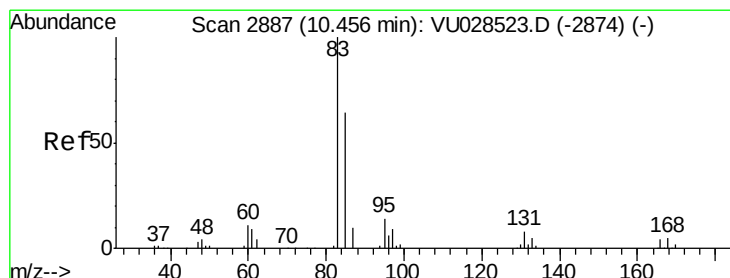
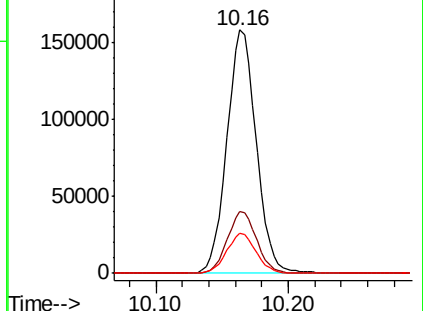
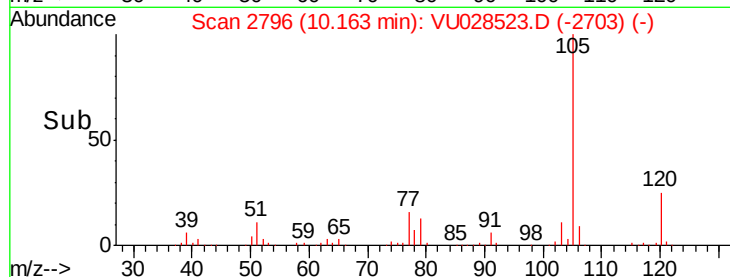
77 16.4 13.1 19.7



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: 47.767 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

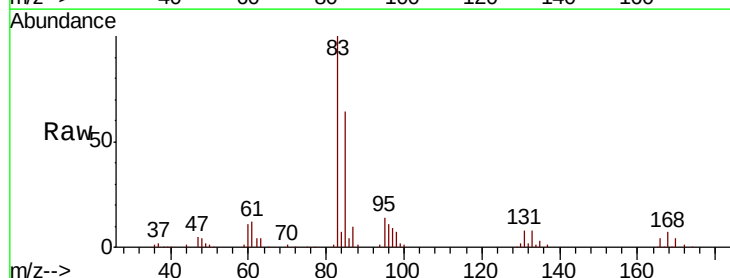
Tgt Ion: 83 Resp: 98367

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

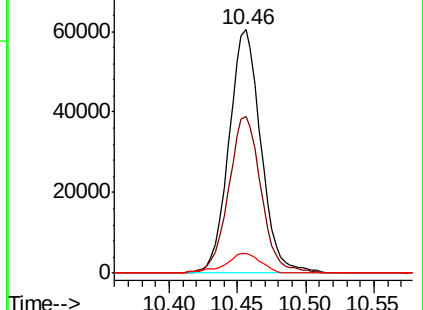
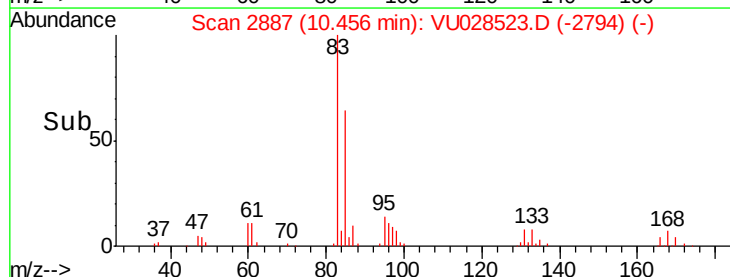
131 8.0 6.4 9.6

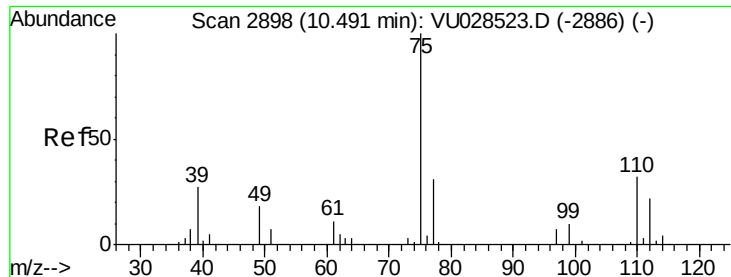


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.039 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

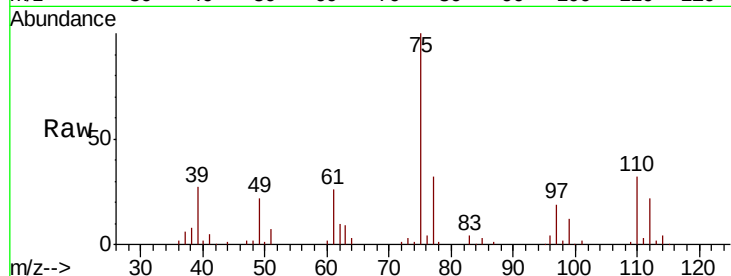
VSTD05056

Tgt Ion: 75 Resp: 77807

Ion Ratio Lower Upper

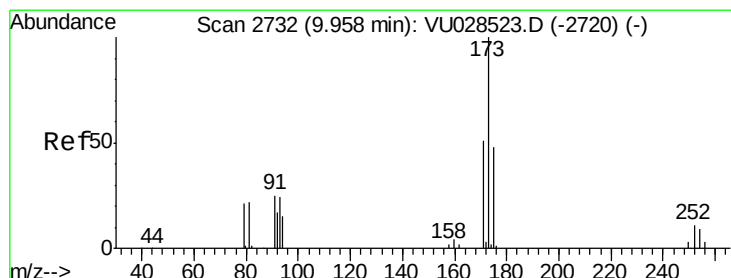
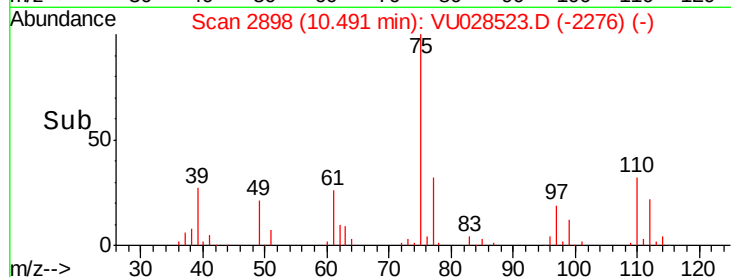
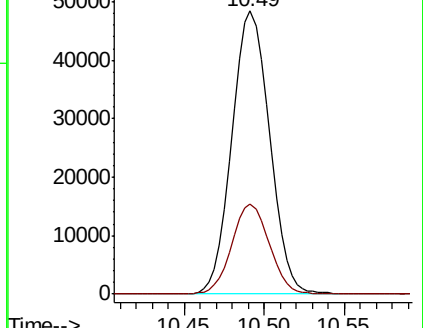
75 100

77 31.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU028523.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU028523.D (-2886) (-)



#61

Bromoform

Concen: 46.992 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

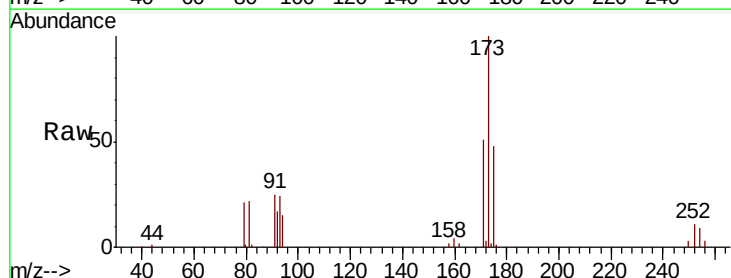
Tgt Ion: 173 Resp: 39743

Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

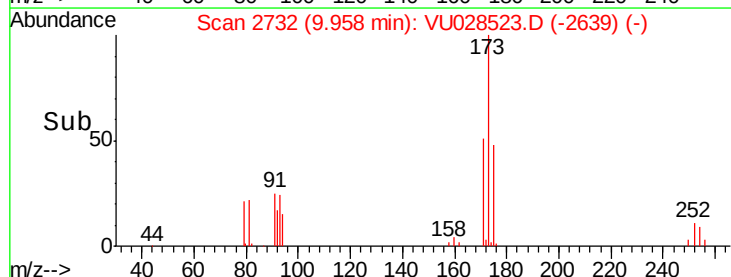
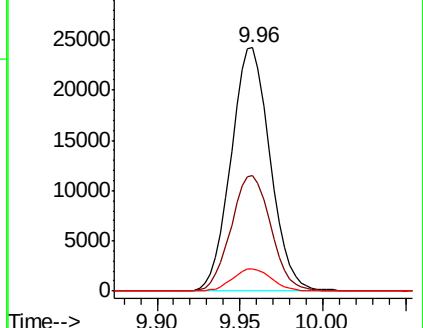
254 8.9 7.1 10.7

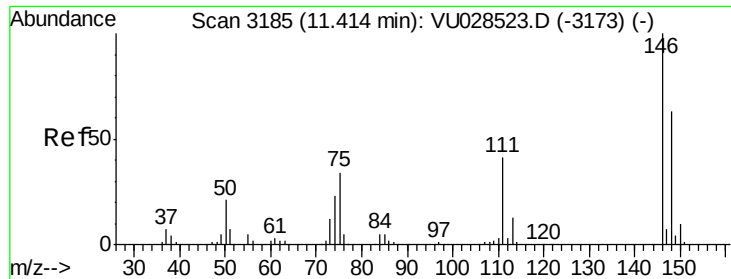


Abundance Ion 173.00 (172.70 to 173.70): VU028523.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU028523.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU028523.D (-2720) (-)

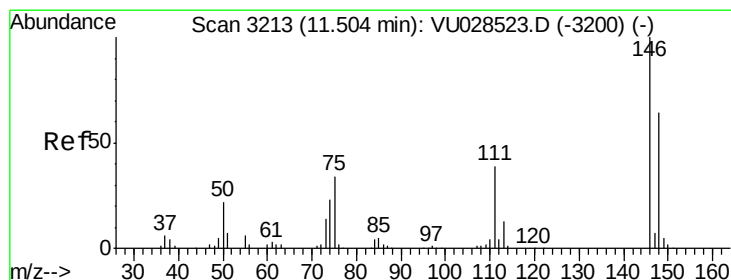
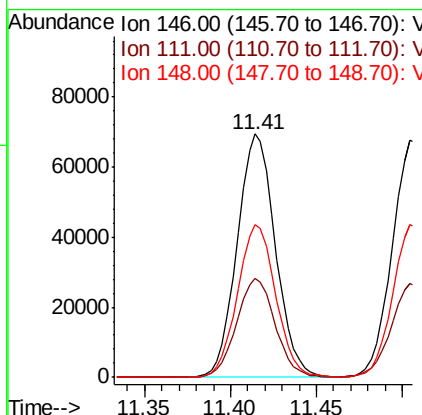
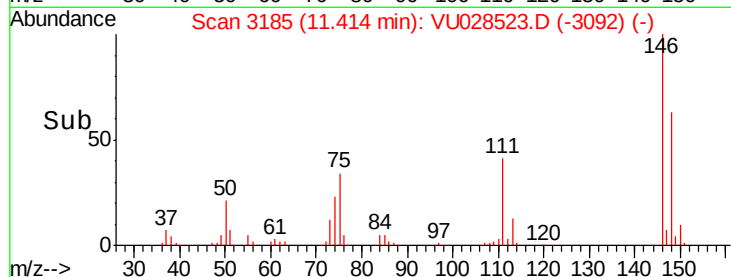
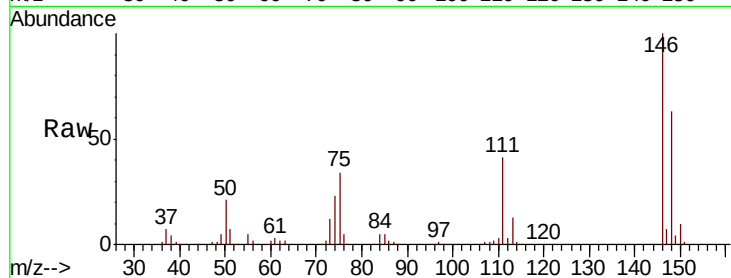




#62
 1,3-Dichlorobenzene
 Concen: 47.642 ug/L
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

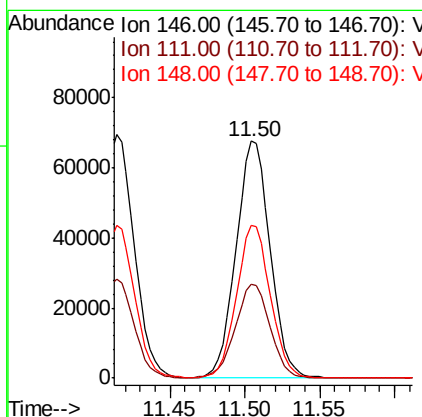
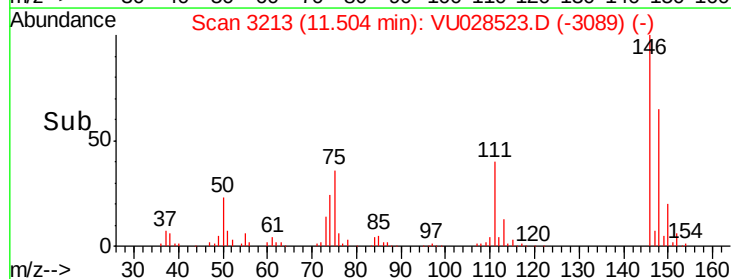
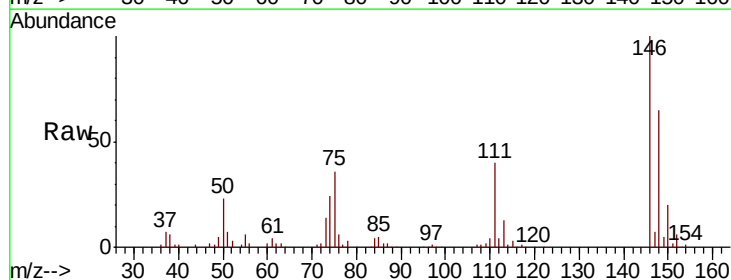
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

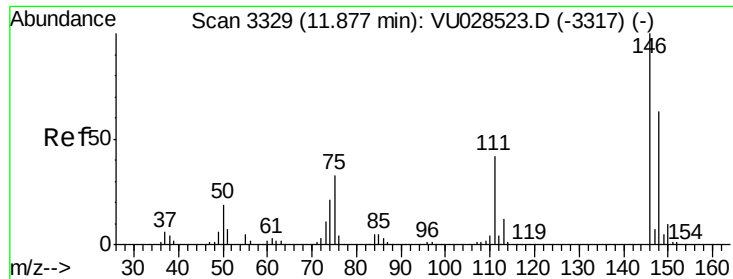
Tgt Ion:146 Resp: 106929
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.5 52.9
 148 62.7 43.9 81.5



#63
 1,4-Dichlorobenzene
 Concen: 47.283 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Tgt Ion:146 Resp: 106976
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.6 51.4
 148 64.5 45.1 83.9

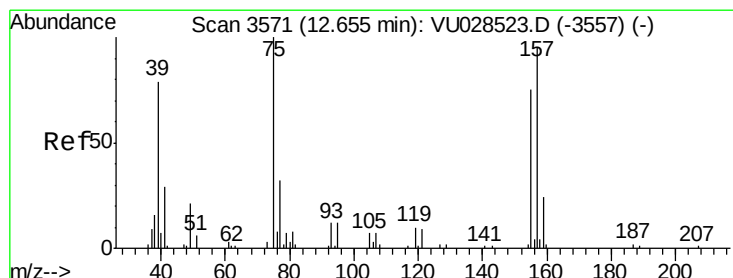
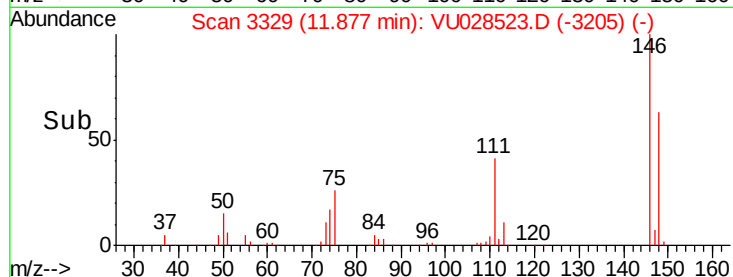
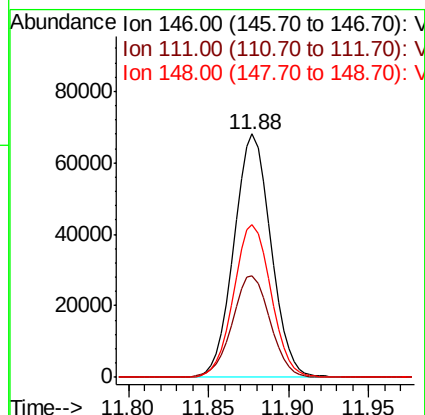
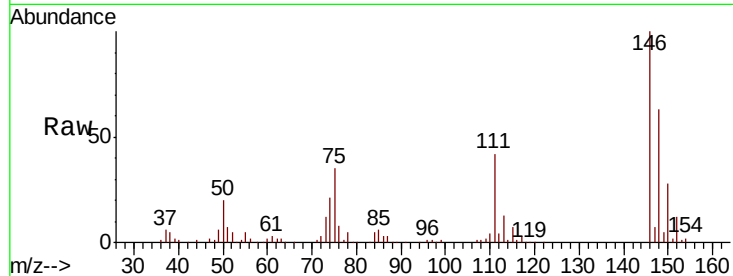




#65
 1,2-Dichlorobenzene
 Concen: 48.019 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

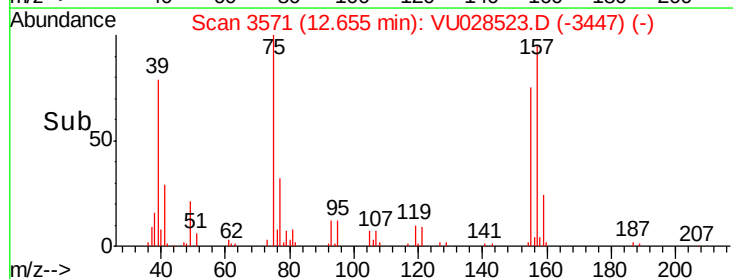
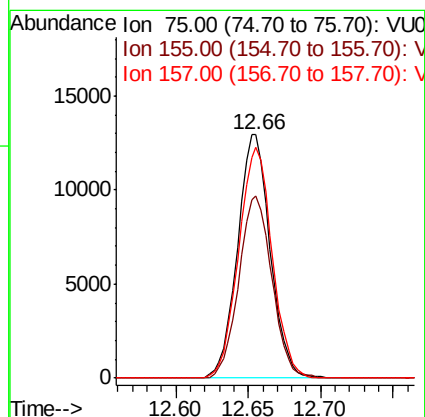
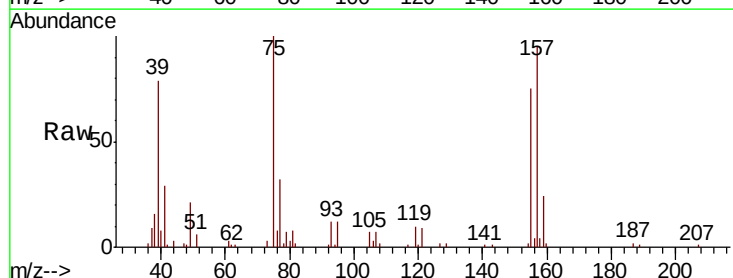
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

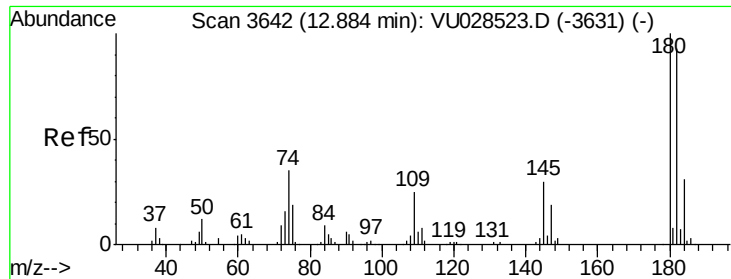
Tgt Ion: 146 Resp: 107192
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.4 50.2
 148 62.7 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.749 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Tgt Ion: 75 Resp: 20237
 Ion Ratio Lower Upper
 75 100
 155 74.9 59.9 89.9
 157 94.8 75.8 113.8

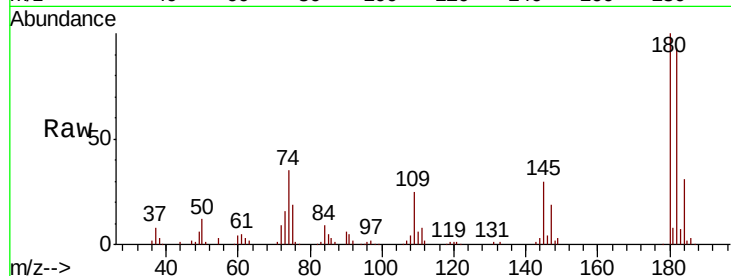




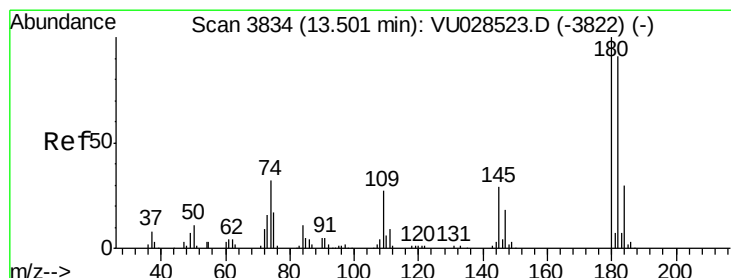
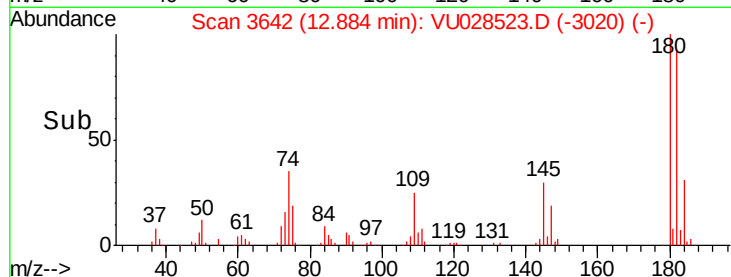
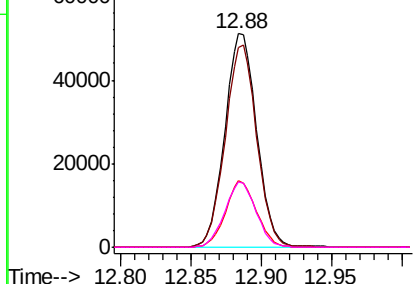
#67
 1,3,5-Trichlorobenzene
 Concen: 48.715 ug/L
 RT: 12.88 min Scan# 3642
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion:180 Resp: 80743
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.0 112.6
 184 29.9 23.9 35.9
 145 29.8 23.8 35.8

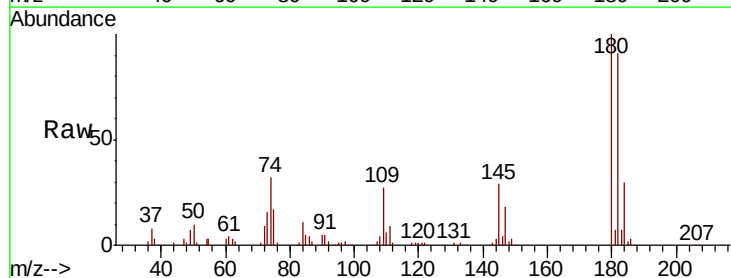


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

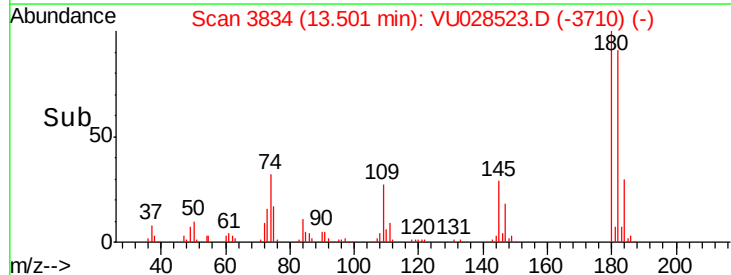
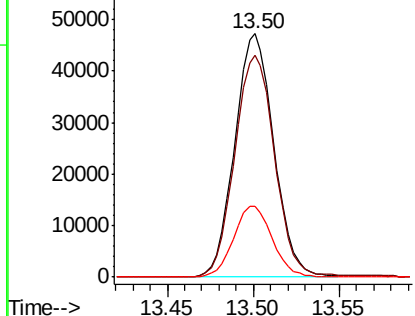


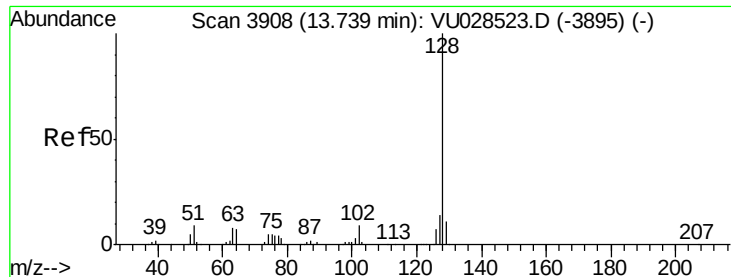
#68
 1,2,4-trichlorobenzene
 Concen: 48.254 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028523.D
 Acq: 07 Dec 2018 10:36

Tgt Ion:180 Resp: 74448
 Ion Ratio Lower Upper
 180 100
 182 93.5 74.8 112.2
 145 28.8 23.0 34.6



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





#69

Naphthalene

Concen: 46.643 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

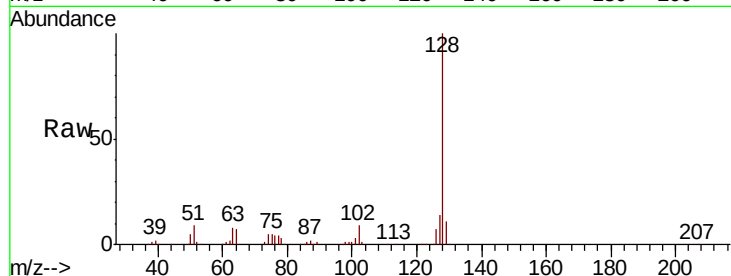
Tgt Ion:128 Resp: 247980

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.8 8.6 13.0

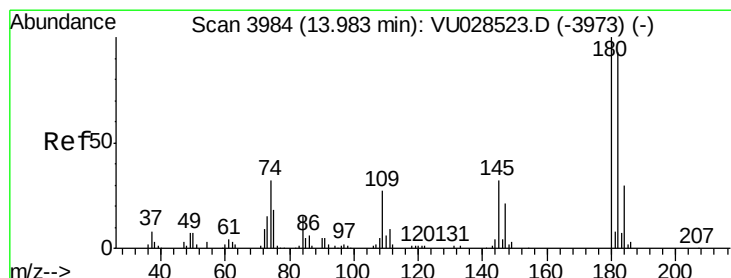
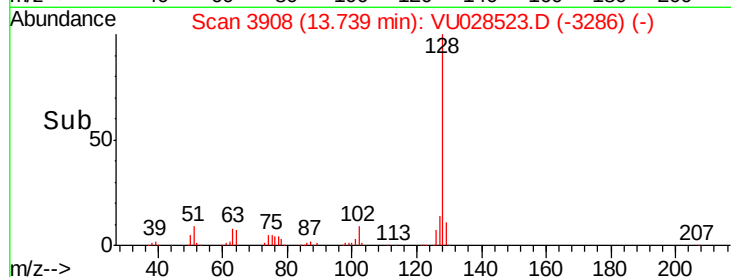
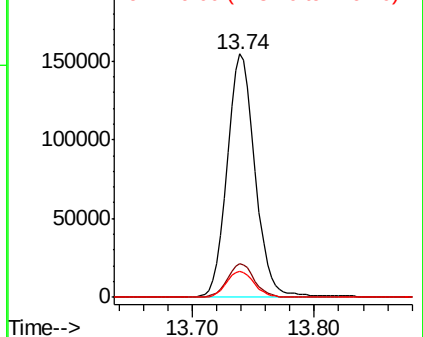


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.190 ug/L

RT: 13.98 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VU028523.D

Acq: 07 Dec 2018 10:36

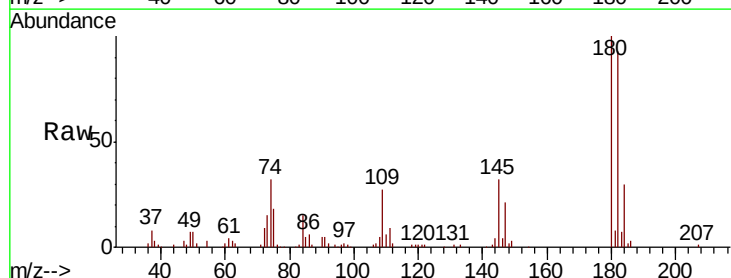
Tgt Ion:180 Resp: 74698

Ion Ratio Lower Upper

180 100

182 94.0 75.2 112.8

145 31.7 25.4 38.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

