

Data File : VU028540.D
Acq On : 10 Dec 2018 09:42
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Quant Time: Dec 11 02:47:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 11 01:59:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	146259	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	140388	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68889	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63939	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.62%
7) Chloroethane-d5	1.68	69	50157	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.98%
11) 1,1-Dichloroethene-d2	2.28	63	114397	47.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.00%
21) 2-Butanone-d5	4.17	46	121961	111.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.18%
24) Chloroform-d	4.65	84	111335	51.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.31	65	73835	51.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.60%
32) Benzene-d6	5.34	84	226863	51.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.36%
36) 1,2-Dichloropropane-d6	6.33	67	82826	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.08%
41) Toluene-d8	7.57	98	200908	50.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	7.85	79	38666	53.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.26%
47) 2-Hexanone-d5	8.31	63	86361	113.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112547	54.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	74455	53.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	58411	47.951 ug/L	98
3) Chloromethane	1.33	50	89773	47.928 ug/L	97
5) Vinyl chloride	1.40	62	77479	47.790 ug/L	98
6) Bromomethane	1.63	94	26452	54.360 ug/L	94
8) Chloroethane	1.70	64	44343	47.729 ug/L	98
9) Trichlorofluoromethane	1.89	101	83808	49.504 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	50211	49.385 ug/L	98
12) 1,1-Dichloroethene	2.29	96	46904	48.681 ug/L	89
13) Acetone	2.32	43	125916	102.671 ug/L	99
14) Carbon disulfide	2.48	76	171159	47.886 ug/L	99
15) Methyl Acetate	2.62	43	87890	51.424 ug/L	98
16) Methylene chloride	2.70	84	62776	49.836 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	55540	49.714 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	191921	50.995 ug/L	99
19) 1,1-Dichloroethane	3.45	63	119164	50.317 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	64323	50.765 ug/L	100
22) 2-Butanone	4.26	43	150872	104.207 ug/L	98

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	28596	50.542	ug/L	96
25) Chloroform	4.67	83	109826	50.358	ug/L	99
27) 1,2-Dichloroethane	5.40	62	90057	49.958	ug/L	99
29) Cyclohexane	5.00	56	114090	49.105	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	87652	50.292	ug/L	100
31) Carbon tetrachloride	5.13	117	71040	50.382	ug/L	99
33) Benzene	5.39	78	252978	50.518	ug/L	100
34) Trichloroethene	6.18	95	60359	49.625	ug/L	97
35) Methylcyclohexane	6.41	83	104190	50.809	ug/L	99
37) 1,2-Dichloropropane	6.43	63	75334	50.324	ug/L	100
38) Bromodichloromethane	6.76	83	83407	50.664	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	109659	51.614	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	240128	105.341	ug/L	100
42) Toluene	7.64	91	258366	50.787	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	100144	51.103	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	60358	51.454	ug/L	99
46) Tetrachloroethene	8.22	164	43779	50.868	ug/L	97
48) 2-Hexanone	8.36	43	205280	106.426	ug/L	99
49) Dibromochloromethane	8.48	129	61247	51.614	ug/L	97
50) 1,2-Dibromoethane	8.58	107	63306	51.458	ug/L	98
51) Chlorobenzene	9.12	112	155792	50.835	ug/L	99
52) Ethylbenzene	9.25	91	285524	50.698	ug/L	100
53) m,p-Xylene	9.37	106	105423	51.709	ug/L	98
54) o-xylene	9.78	106	101842	50.871	ug/L	97
55) Styrene	9.79	104	174726	51.402	ug/L	100
56) Isopropylbenzene	10.16	105	267335	51.229	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	111141	51.584	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	88276	52.190	ug/L	99
61) Bromoform	9.96	173	46438	52.678	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	120859	51.404	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	123715	51.997	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	120859	51.448	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	24133	52.177	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	92141	53.964	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	86784	54.188	ug/L	99
69) Naphthalene	13.74	128	292586	55.043	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	87639	54.782	ug/L	99

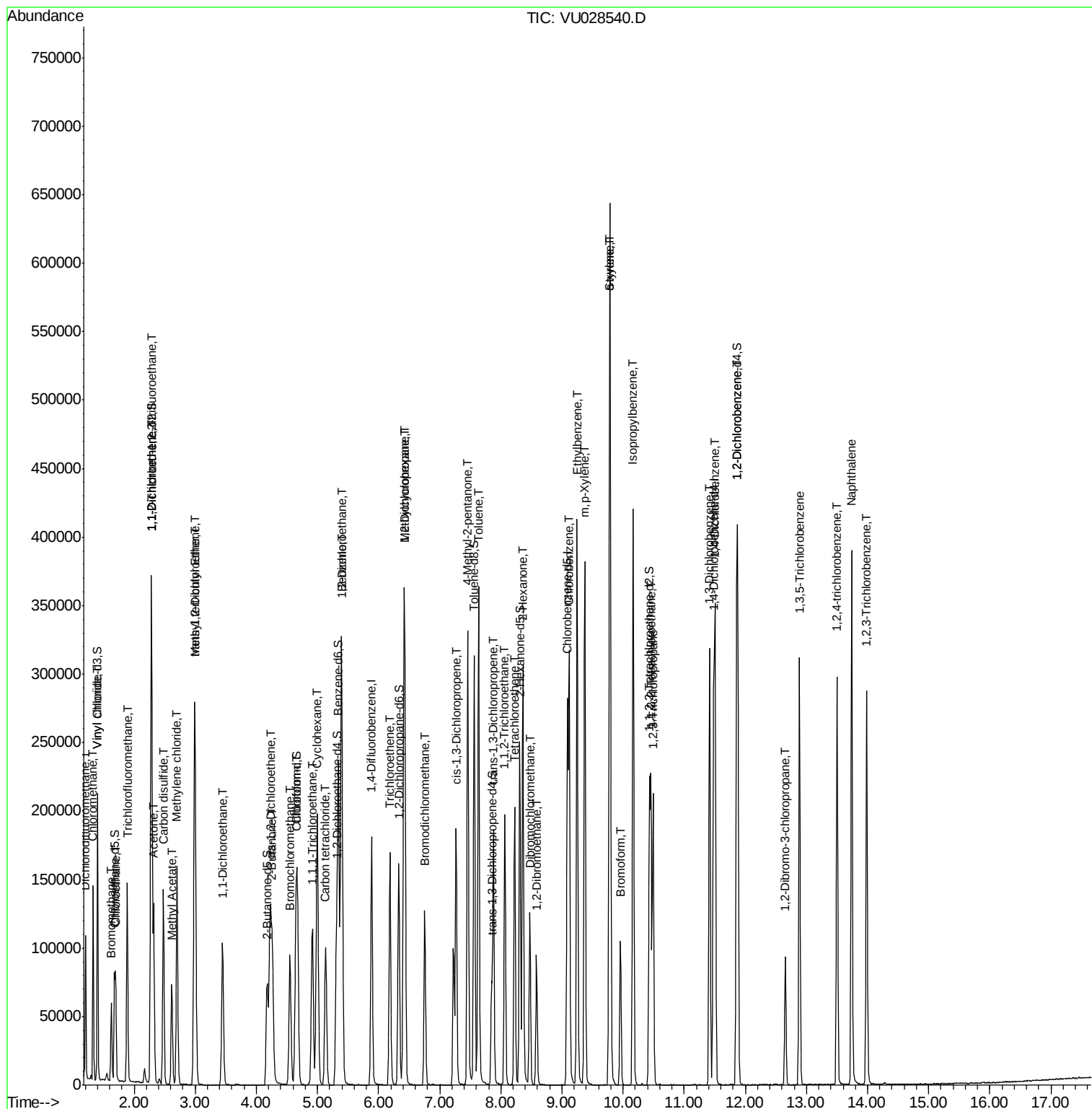
(#) = qualifier out of range (m) = manual integration (+) = signals summed

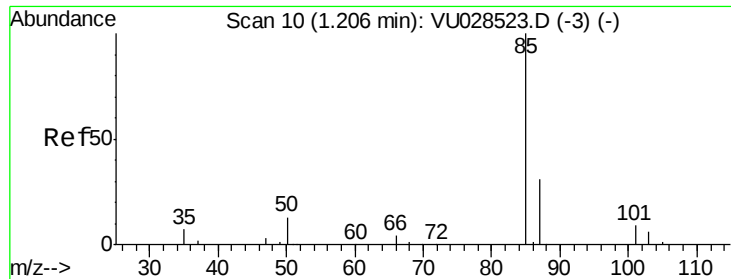
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#2

Dichlorodifluoromethane

Concen: 47.951 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

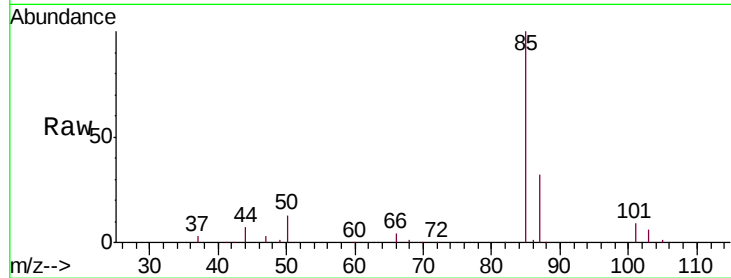
VSTD05041

Tgt Ion: 85 Resp: 58411

Ion Ratio Lower Upper

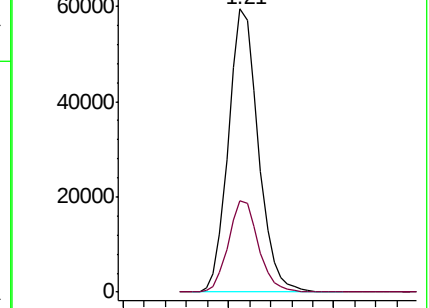
85 100

87 32.5 25.0 37.4

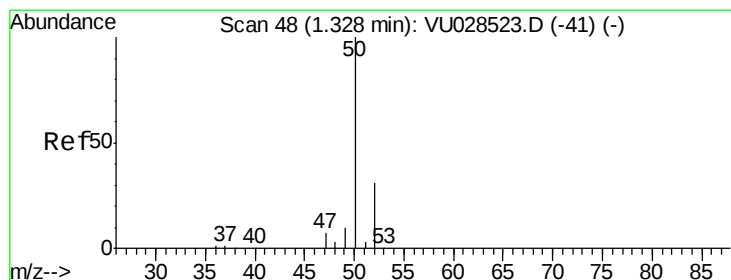
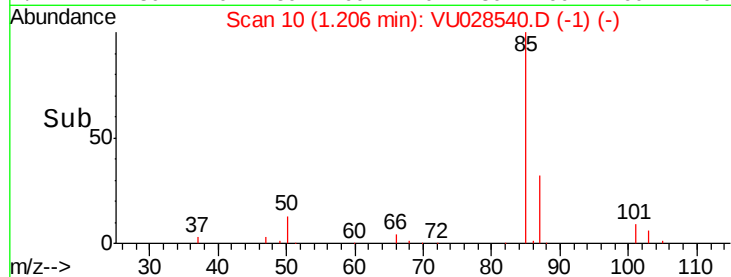


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 47.928 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028540.D

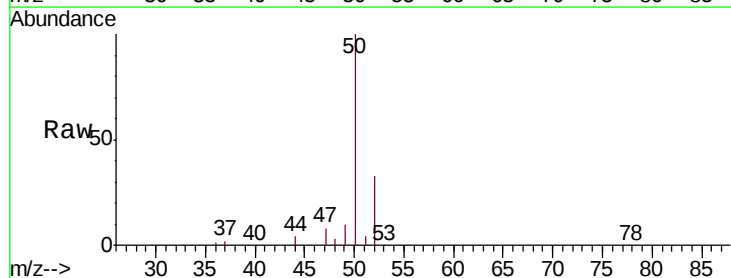
Acq: 10 Dec 2018 09:42

Tgt Ion: 50 Resp: 89773

Ion Ratio Lower Upper

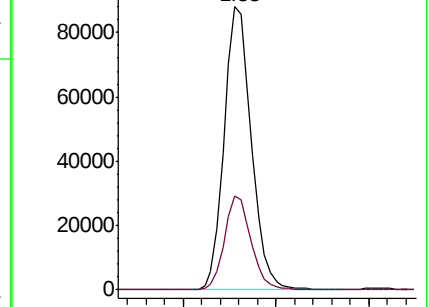
50 100

52 33.0 22.0 41.0

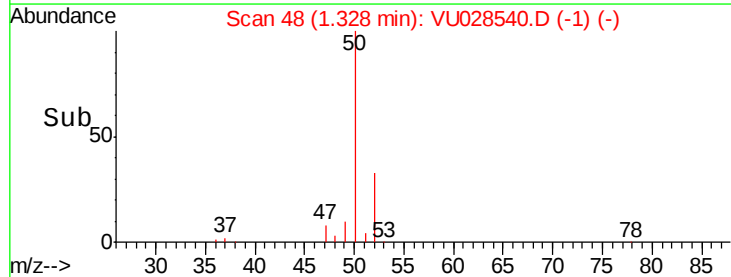


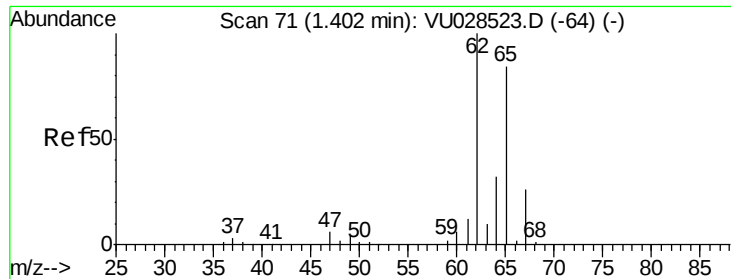
Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



Time-->





#5

Vinyl chloride

Concen: 47.790 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

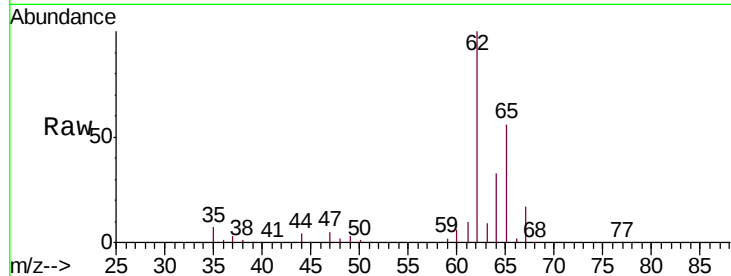
VSTD05041

Tgt Ion: 62 Resp: 77479

Ion Ratio Lower Upper

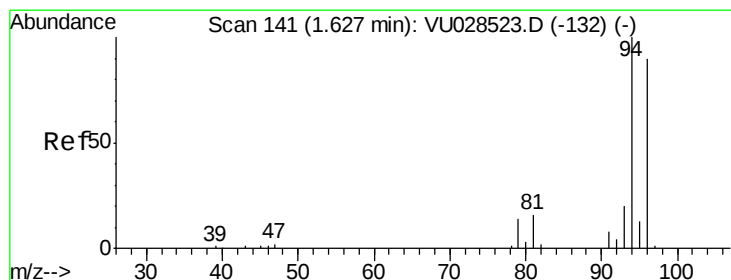
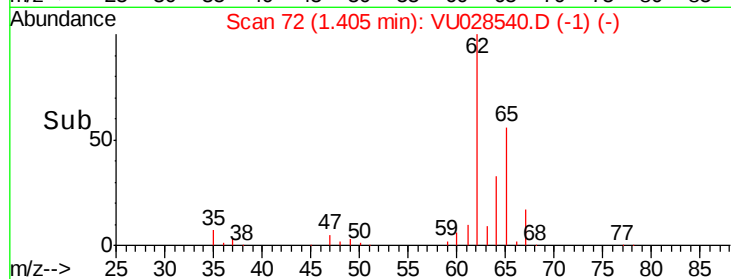
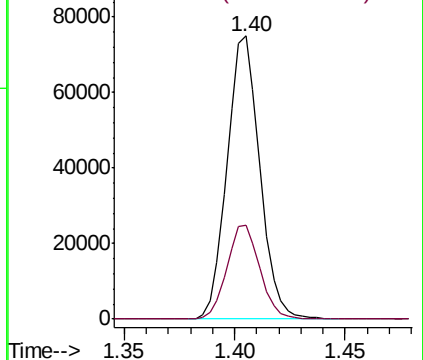
62 100

64 33.2 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 54.360 ug/L

RT: 1.63 min Scan# 141

Delta R.T. -0.00 min

Lab File: VU028540.D

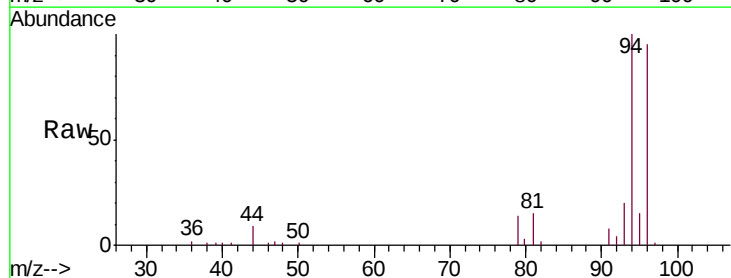
Acq: 10 Dec 2018 09:42

Tgt Ion: 94 Resp: 26452

Ion Ratio Lower Upper

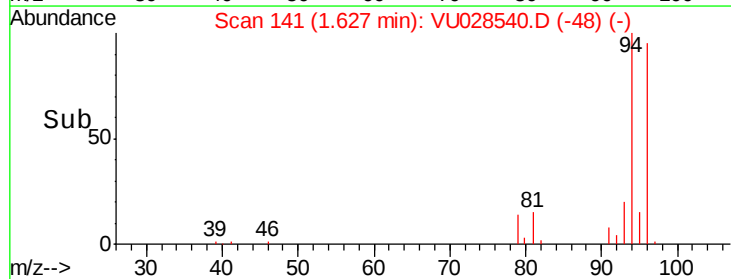
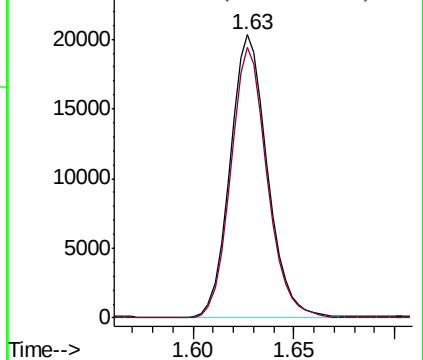
94 100

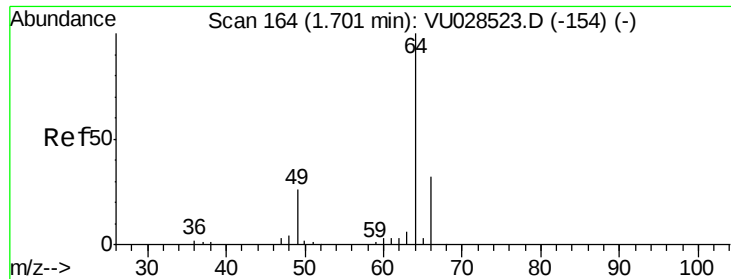
96 95.5 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 47.729 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

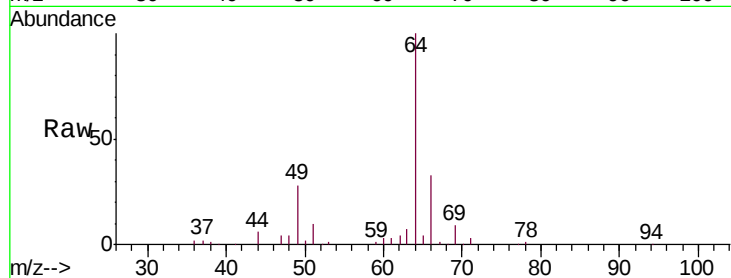
VSTD05041

Tgt Ion: 64 Resp: 44343

Ion Ratio Lower Upper

64 100

66 32.9 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU028523.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU028523.D (-154) (-)

1.70

40000

30000

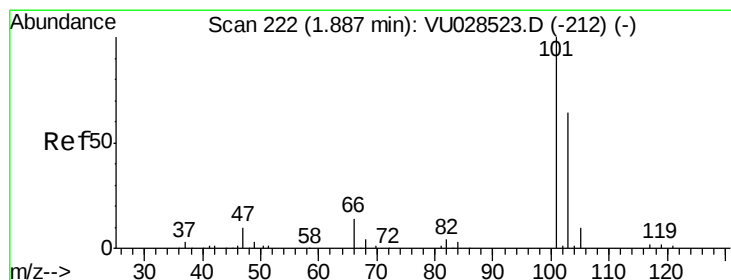
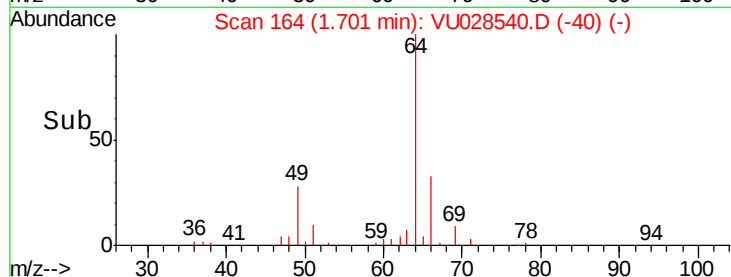
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 49.504 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU028540.D

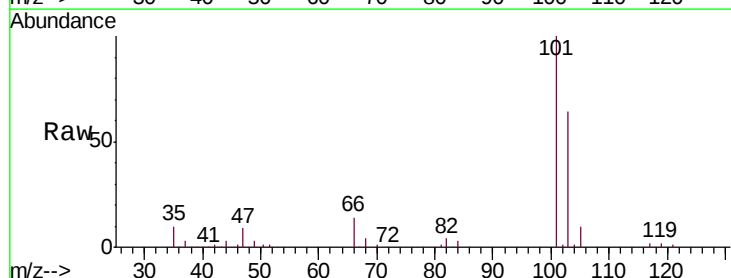
Acq: 10 Dec 2018 09:42

Tgt Ion: 101 Resp: 83808

Ion Ratio Lower Upper

101 100

103 64.4 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU028523.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU028523.D (-212) (-)

1.89

60000

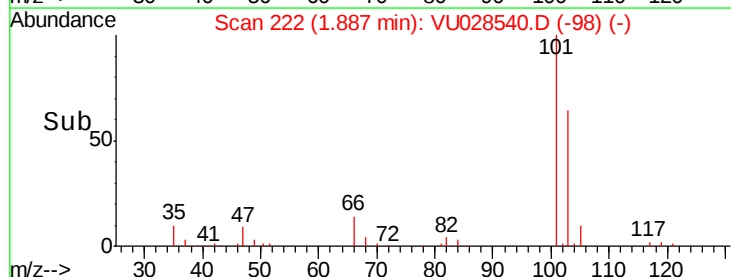
40000

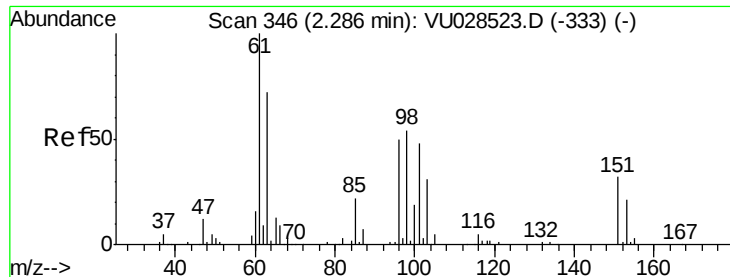
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 49.385 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

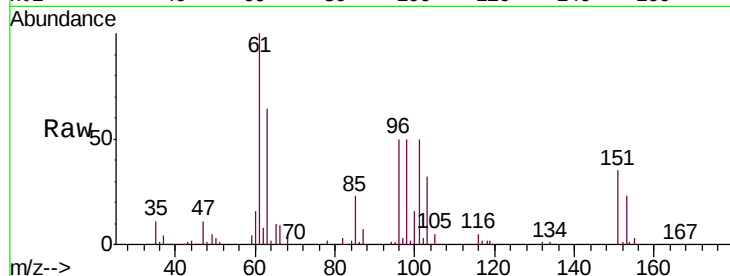
Tgt Ion: 101 Resp: 50211

Ion Ratio Lower Upper

101 100

85 45.2 36.8 55.2

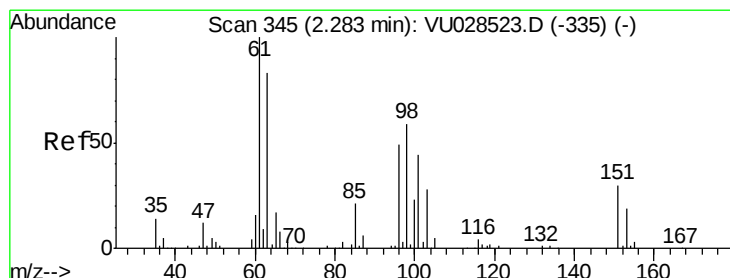
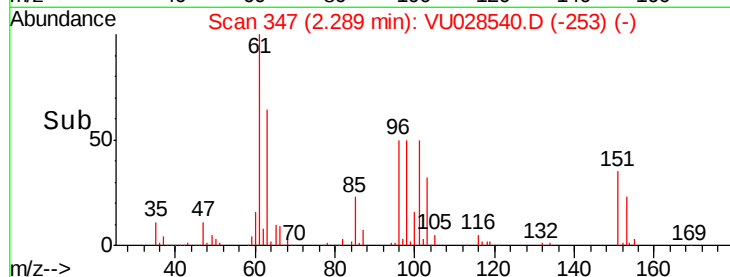
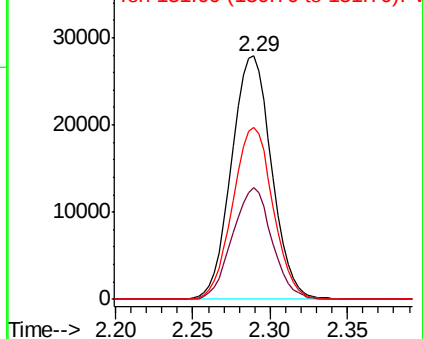
151 71.2 55.8 83.8



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: 48.681 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

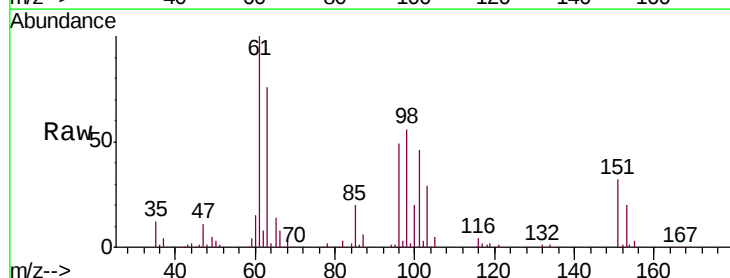
Tgt Ion: 96 Resp: 46904

Ion Ratio Lower Upper

96 100

61 202.0 143.2 266.0

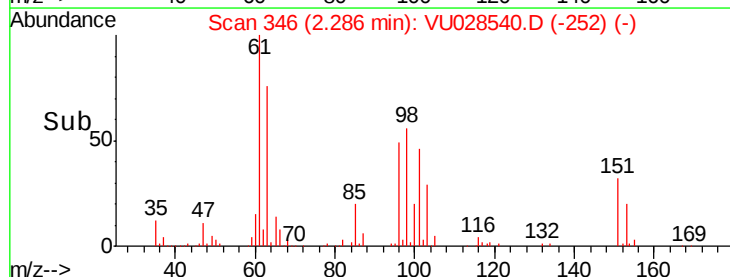
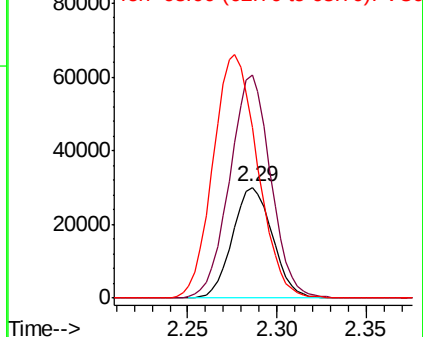
63 154.2 130.1 241.7

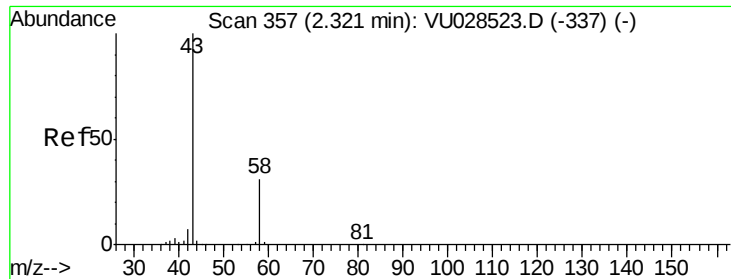


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 102.671 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

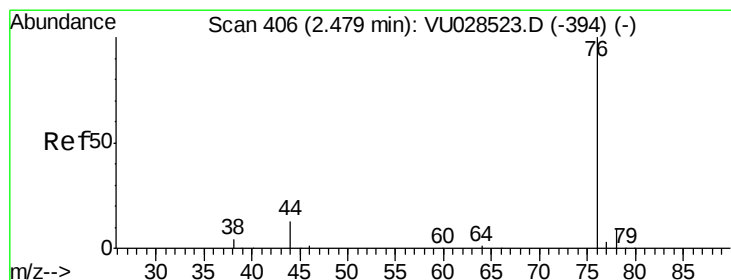
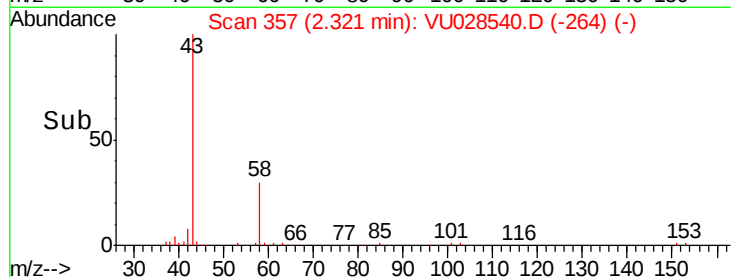
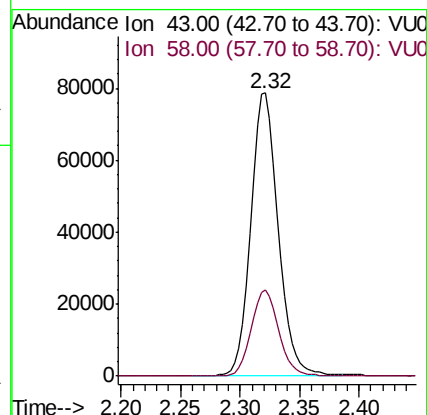
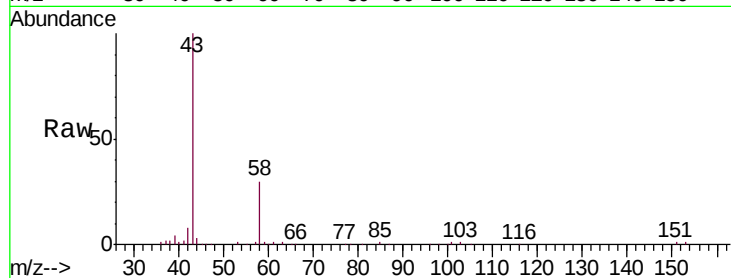
VSTD05041

Tgt Ion: 43 Resp: 125916

Ion Ratio Lower Upper

43 100

58 30.4 0.0 62.0



#14

Carbon disulfide

Concen: 47.886 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028540.D

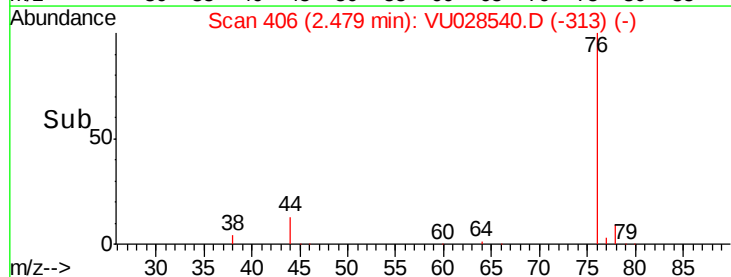
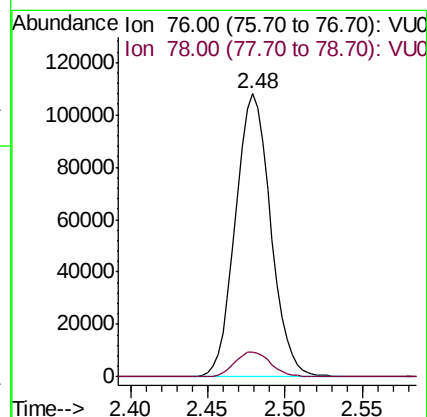
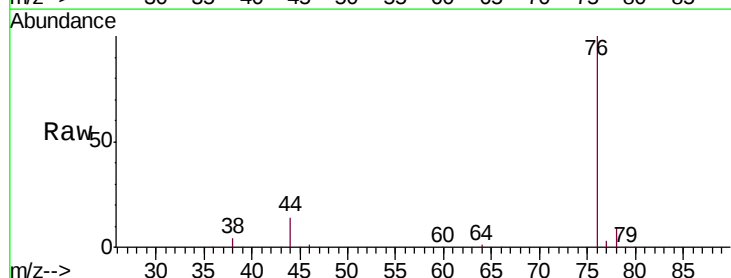
Acq: 10 Dec 2018 09:42

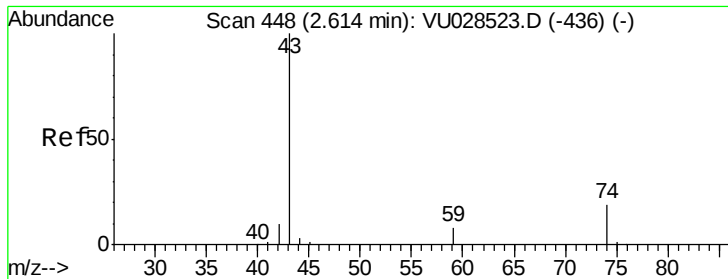
Tgt Ion: 76 Resp: 171159

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 51.424 ug/L

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

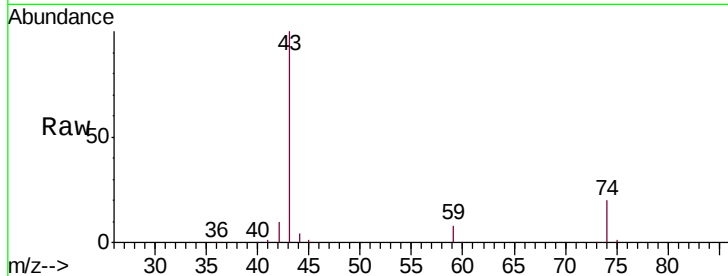
VSTD05041

Tgt Ion: 43 Resp: 87890

Ion Ratio Lower Upper

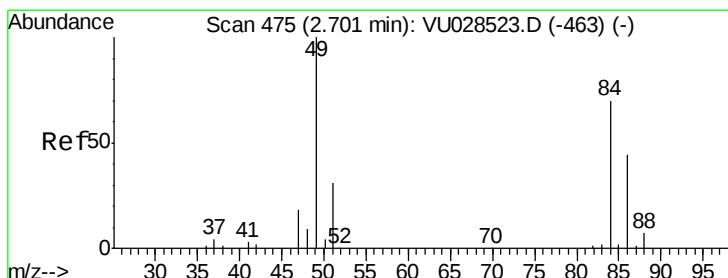
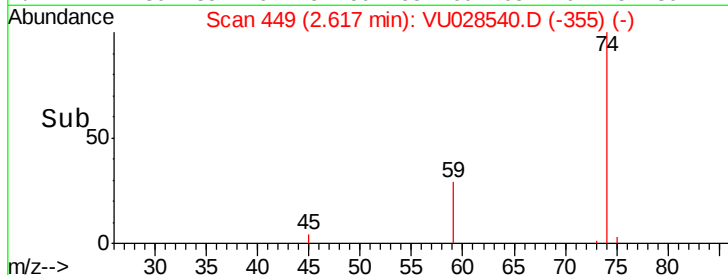
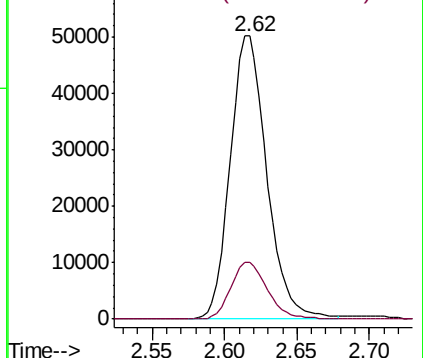
43 100

74 20.1 15.4 23.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 49.836 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

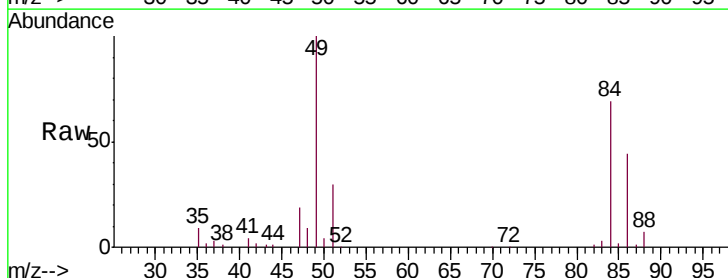
Tgt Ion: 84 Resp: 62776

Ion Ratio Lower Upper

84 100

86 63.9 44.3 82.3

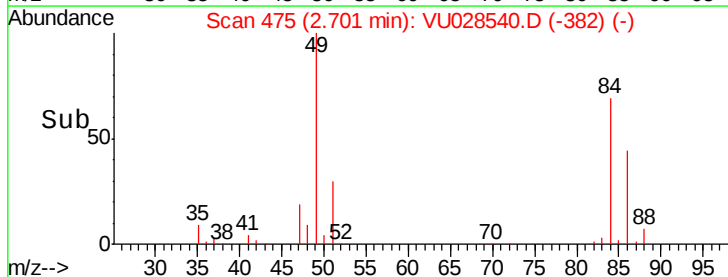
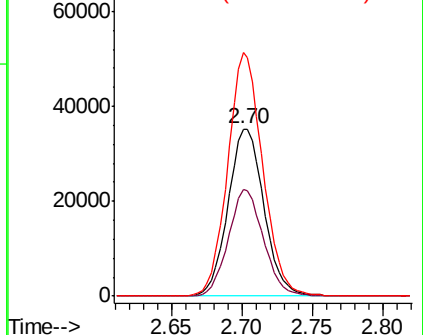
49 145.8 100.0 185.6

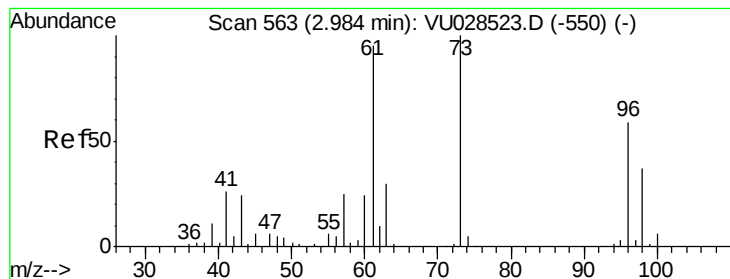


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 49.714 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

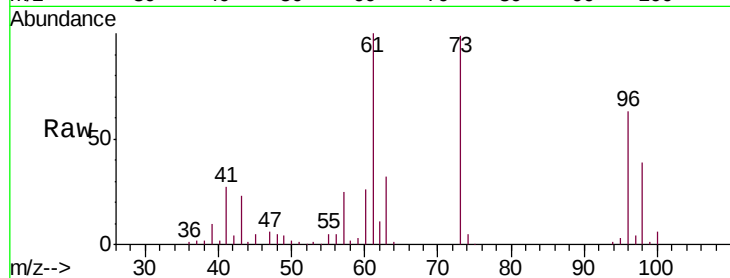
Tgt Ion: 96 Resp: 55540

Ion Ratio Lower Upper

96 100

61 157.8 112.8 209.4

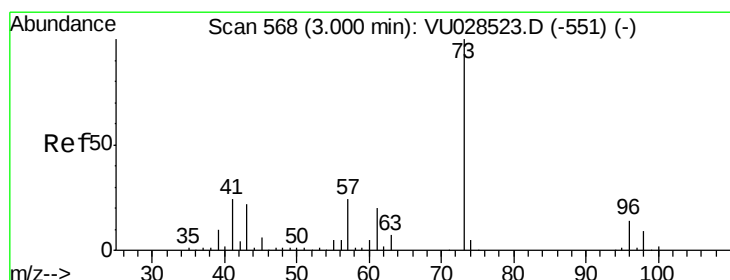
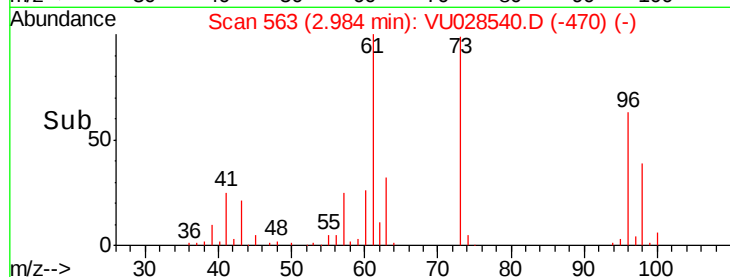
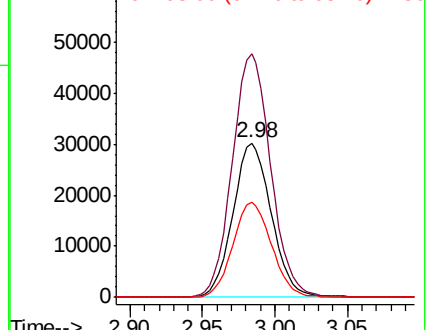
98 61.5 43.8 81.3



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: 50.995 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

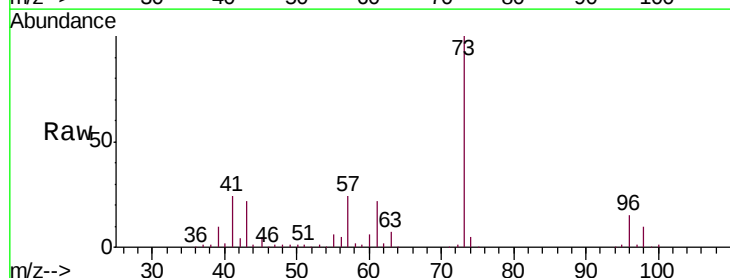
Tgt Ion: 73 Resp: 191921

Ion Ratio Lower Upper

73 100

43 21.9 18.1 27.1

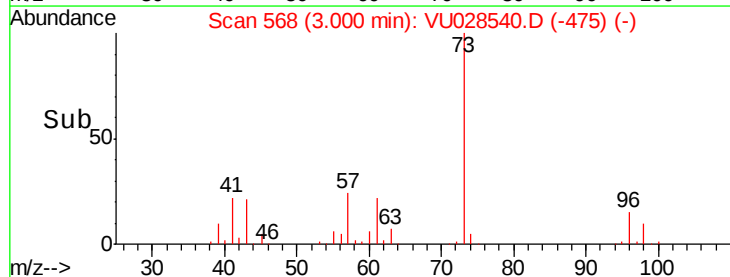
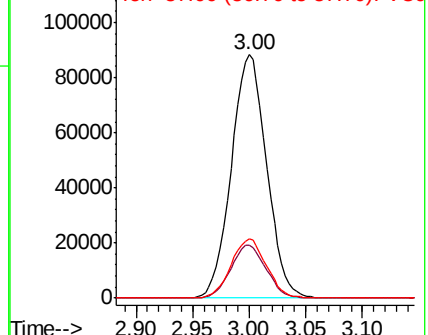
57 24.4 19.7 29.5

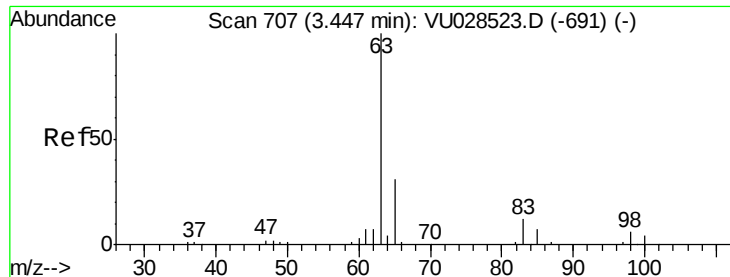


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

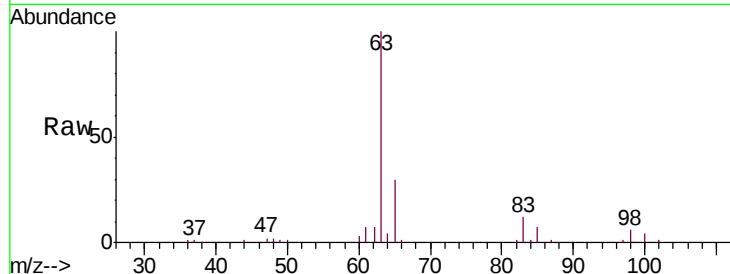




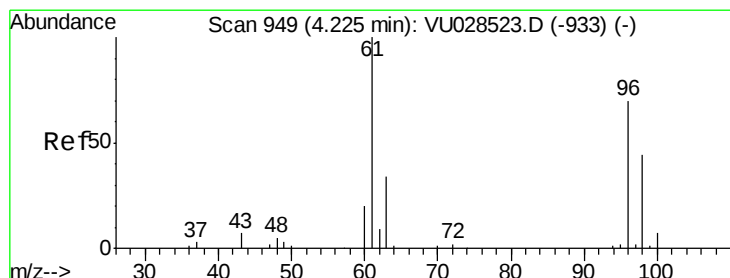
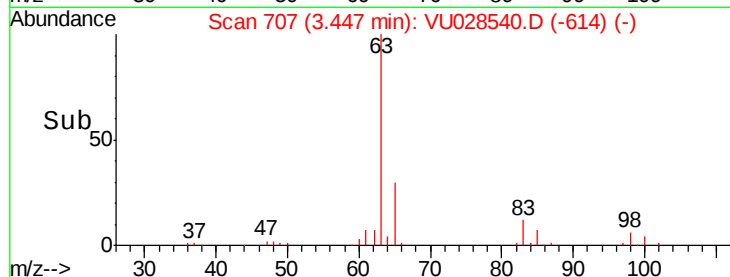
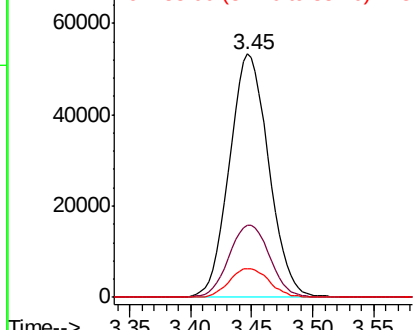
#19
 1,1-Dichloroethane
 Concen: 50.317 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Tgt Ion: 63 Resp: 119164
 Ion Ratio Lower Upper
 63 100
 65 29.7 21.8 40.4
 83 11.9 8.5 15.7

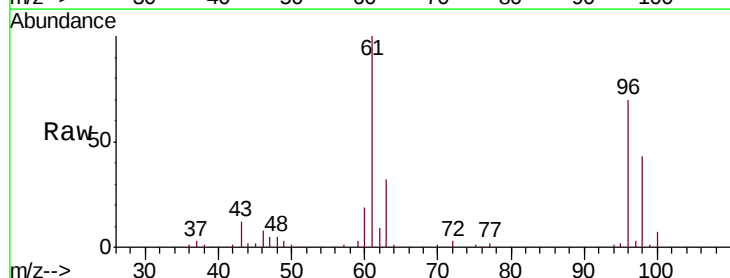


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

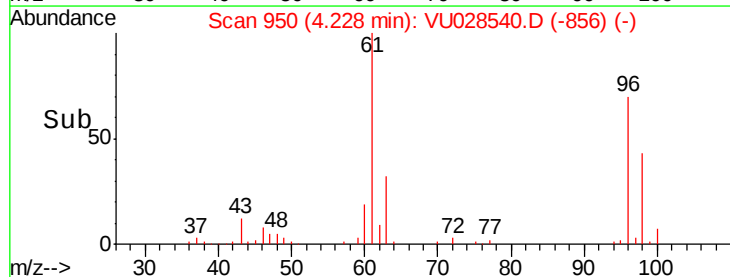
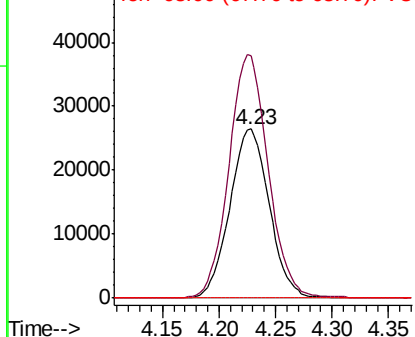


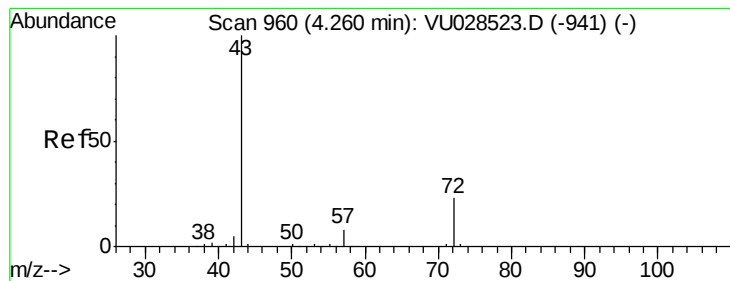
#20
 cis-1,2-Dichloroethene
 Concen: 50.765 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

Tgt Ion: 96 Resp: 64323
 Ion Ratio Lower Upper
 96 100
 61 143.4 100.1 185.9
 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: 104.207 ug/L

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampled :

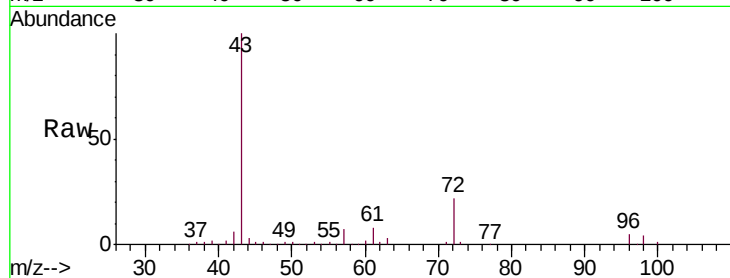
VSTD05041

Tgt Ion: 43 Resp: 150872

Ion Ratio Lower Upper

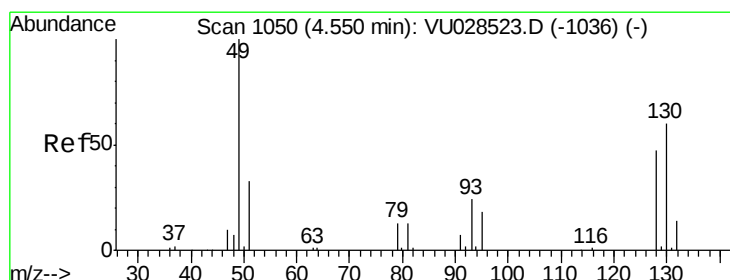
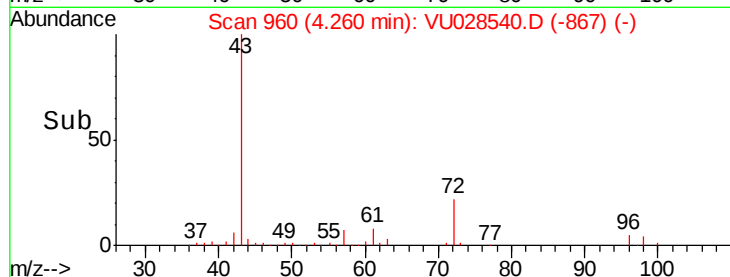
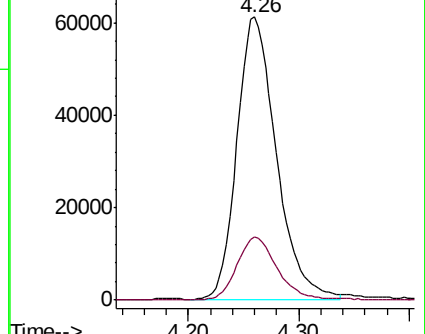
43 100

72 22.7 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) (-)



#23

Bromochloromethane

Concen: 50.542 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Tgt Ion:128 Resp: 28596

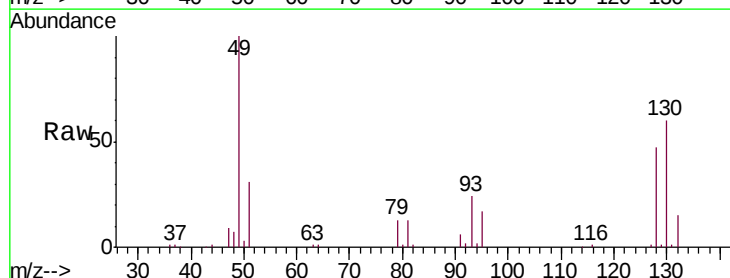
Ion Ratio Lower Upper

128 100

49 210.6 150.8 280.1

130 125.9 90.9 168.7

51 66.3 56.7 85.1

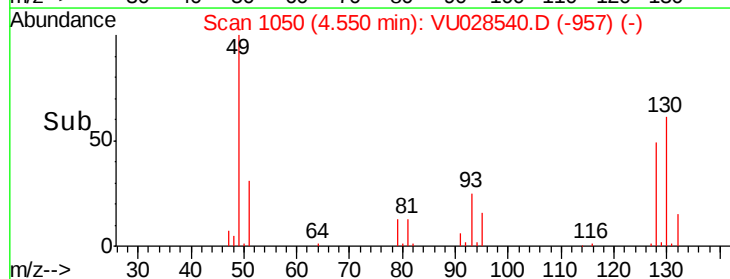
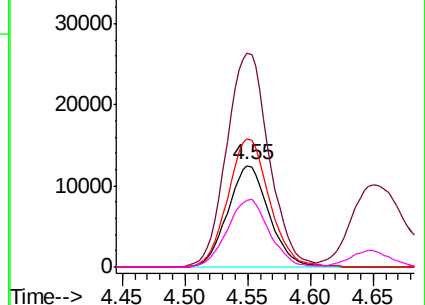


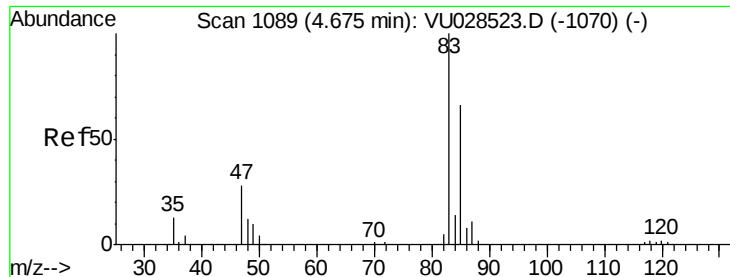
Abundance Ion 128.00 (127.70 to 128.70): VU028523.D (-1036) (-)

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) (-)

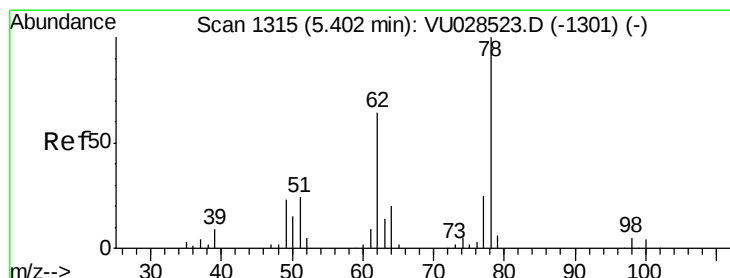
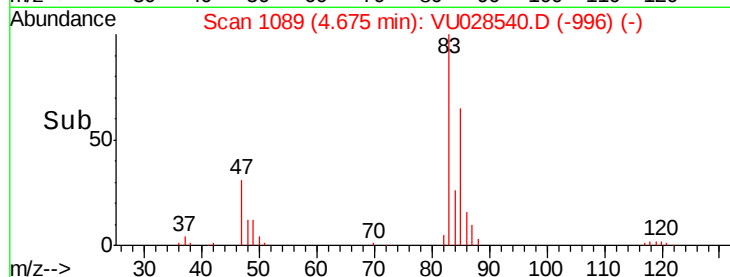
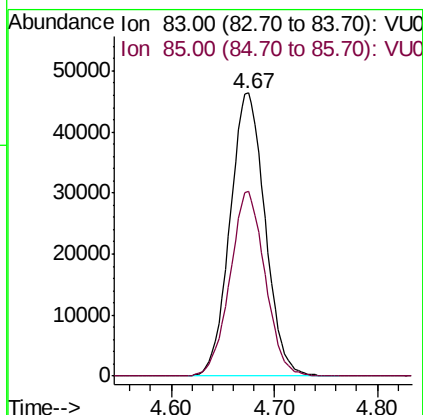
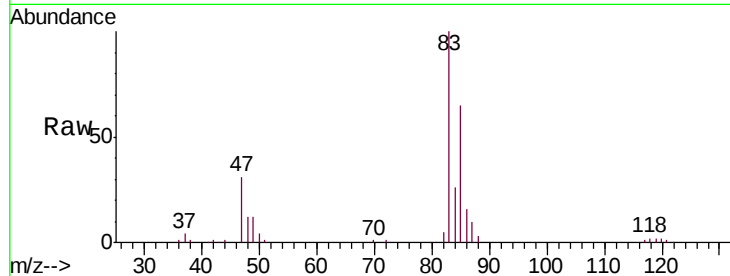




#25
Chloroform
Concen: 50.358 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

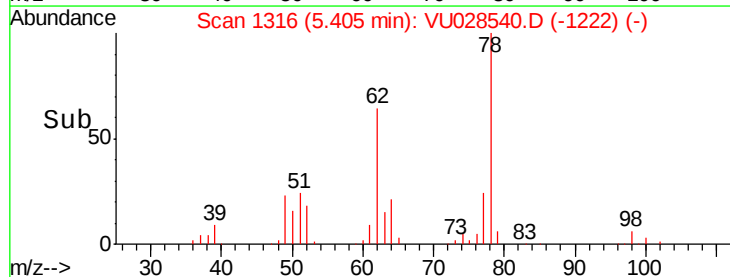
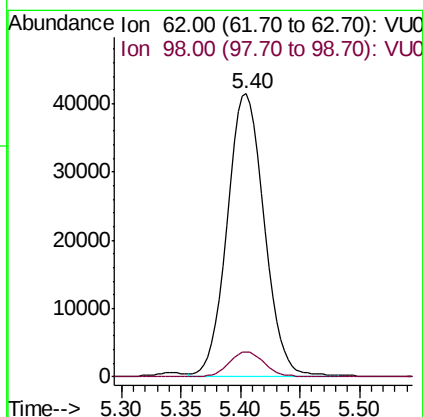
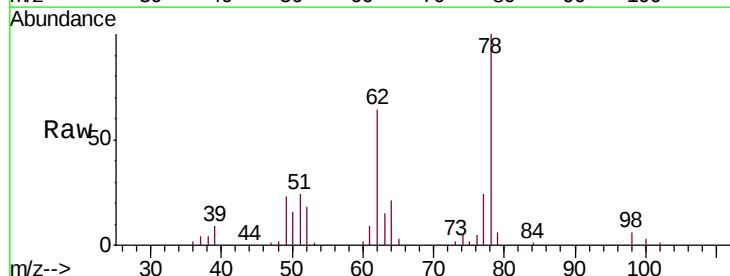
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

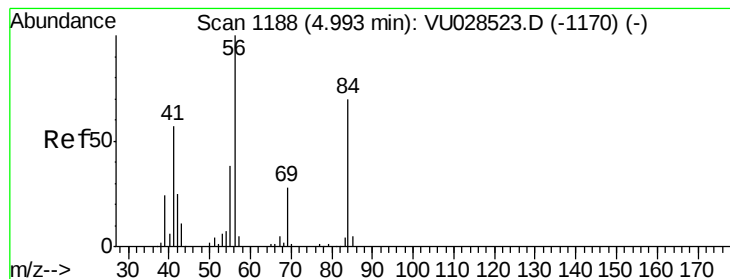
Tgt Ion: 83 Resp: 109826
Ion Ratio Lower Upper
83 100
85 65.1 46.0 85.4



#27
1,2-Dichloroethane
Concen: 49.958 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

Tgt Ion: 62 Resp: 90057
Ion Ratio Lower Upper
62 100
98 8.9 6.7 10.1





#29

Cyclohexane

Concen: 49.105 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

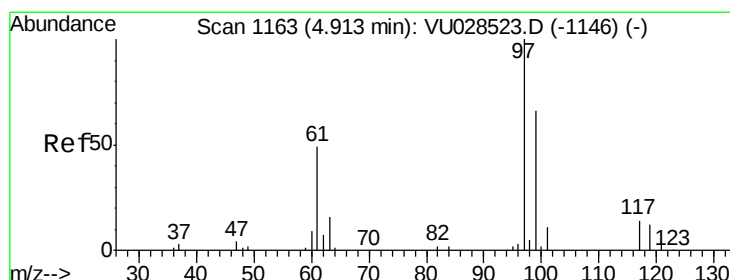
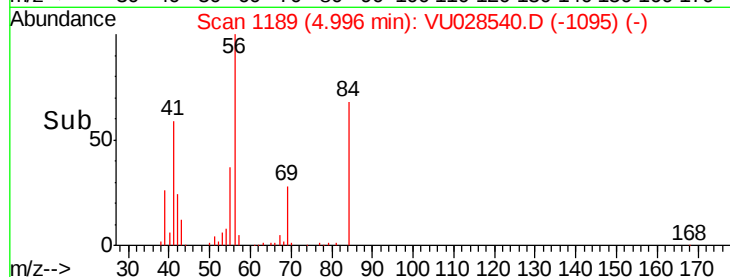
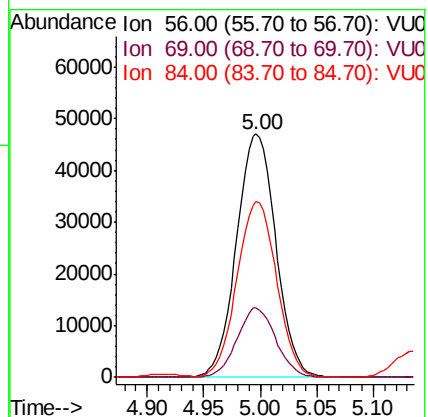
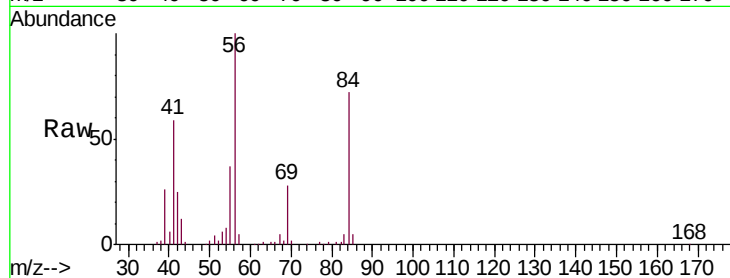
Tgt Ion: 56 Resp: 114090

Ion Ratio Lower Upper

56 100

69 28.1 22.2 33.2

84 72.9 57.5 86.3



#30

1,1,1-Trichloroethane

Concen: 50.292 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

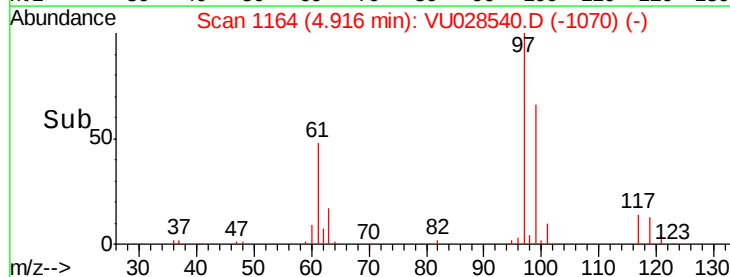
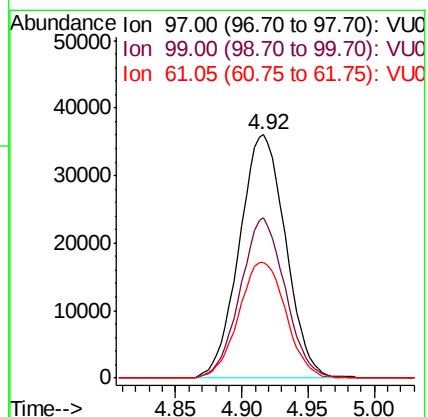
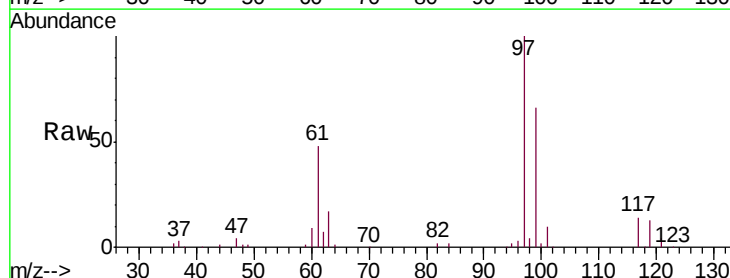
Tgt Ion: 97 Resp: 87652

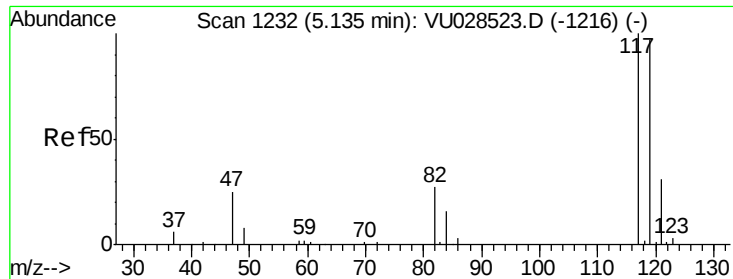
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 48.5 38.7 58.1

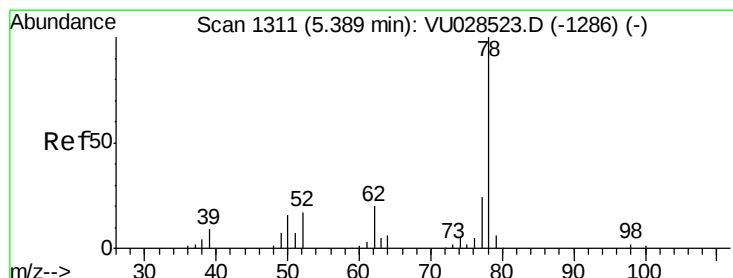
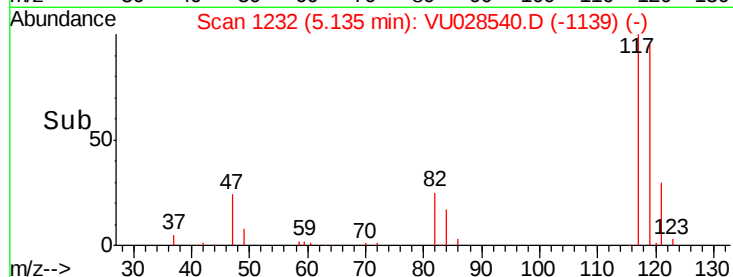
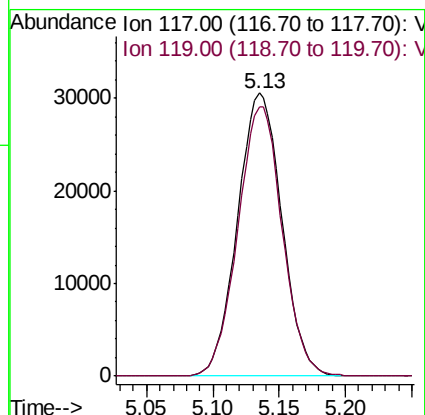
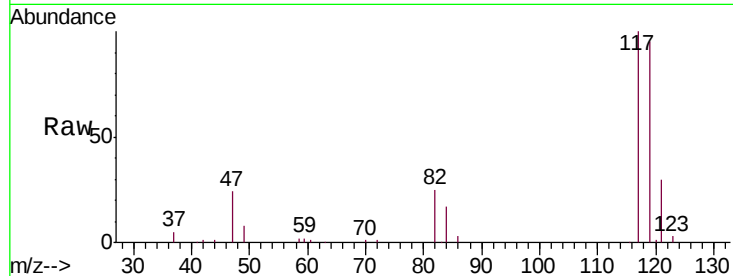




#31
Carbon tetrachloride
Concen: 50.382 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

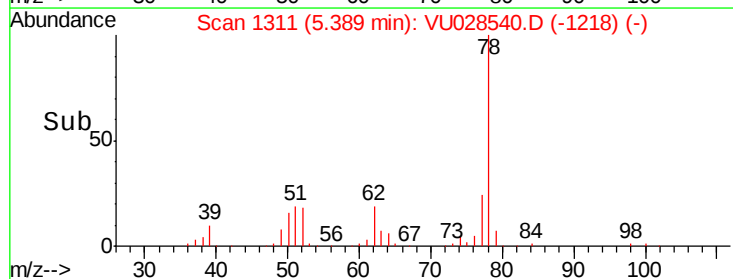
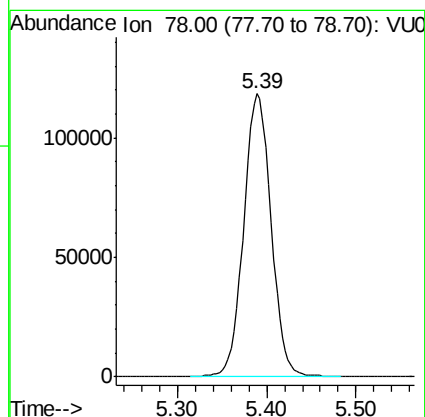
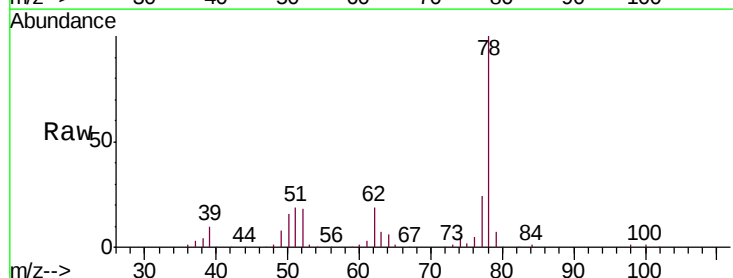
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

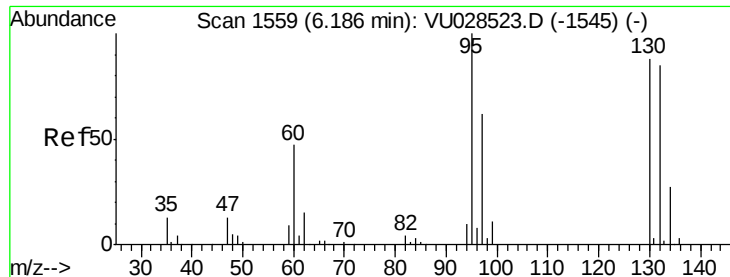
Tgt Ion:117 Resp: 71040
Ion Ratio Lower Upper
117 100
119 95.5 77.4 116.2



#33
Benzene
Concen: 50.518 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

Tgt Ion: 78 Resp: 252978





#34

Trichloroethene

Concen: 49.625 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

Tgt Ion: 95 Resp: 60359

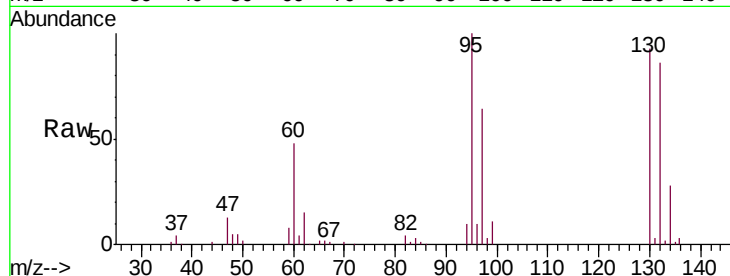
Ion Ratio Lower Upper

95 100

97 63.8 43.5 80.9

132 86.4 59.6 110.6

130 92.7 61.8 114.8

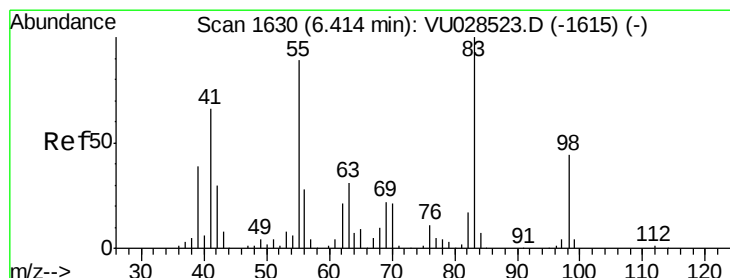
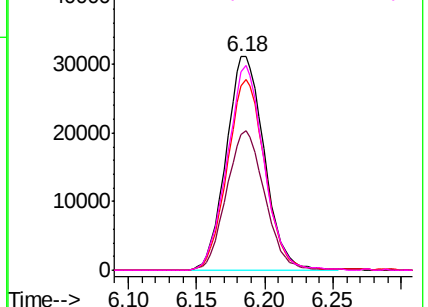
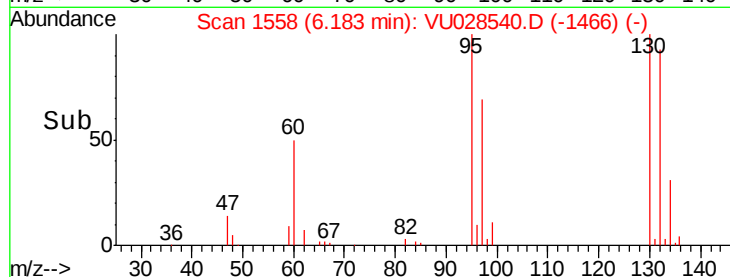


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.809 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

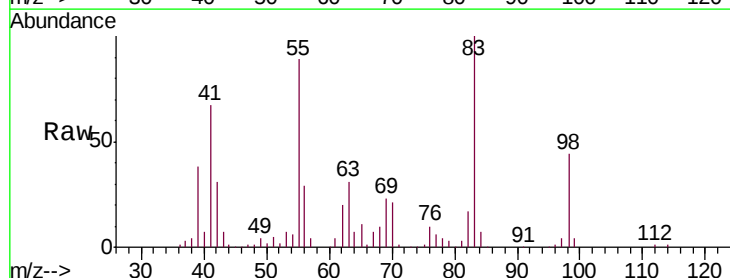
Tgt Ion: 83 Resp: 104190

Ion Ratio Lower Upper

83 100

55 88.8 70.1 105.1

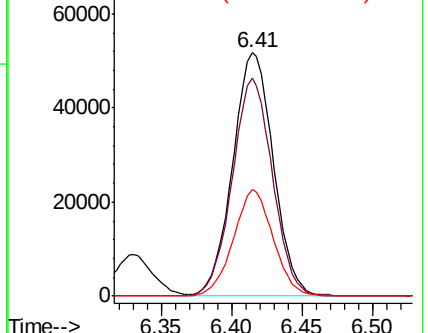
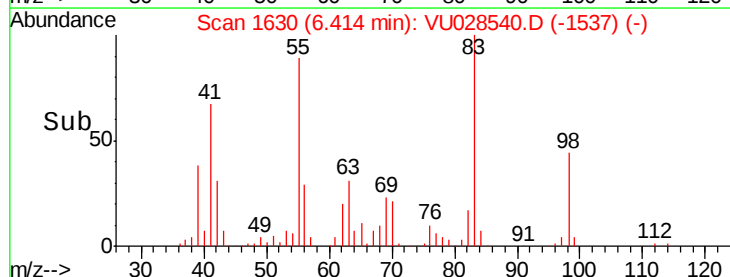
98 43.0 34.4 51.6

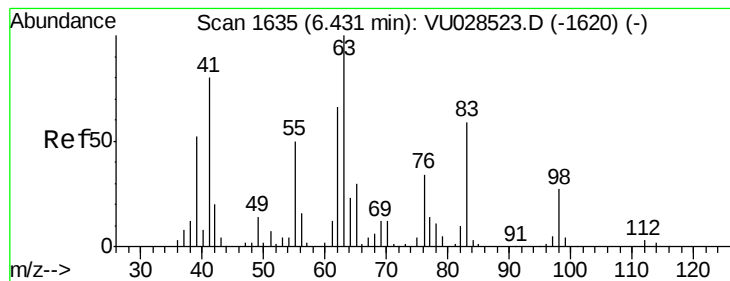


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.324 ug/L

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

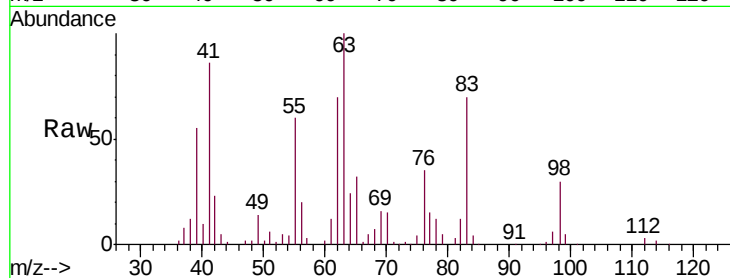
VSTD05041

Tgt Ion: 63 Resp: 75334

Ion Ratio Lower Upper

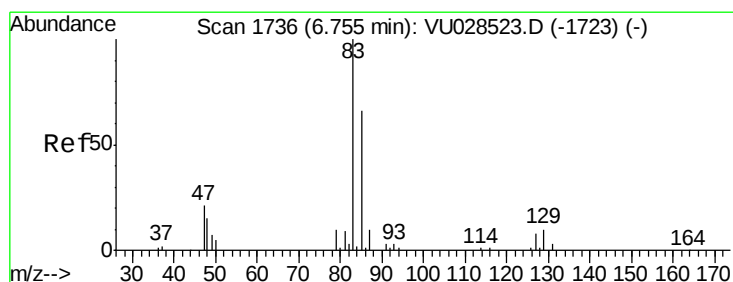
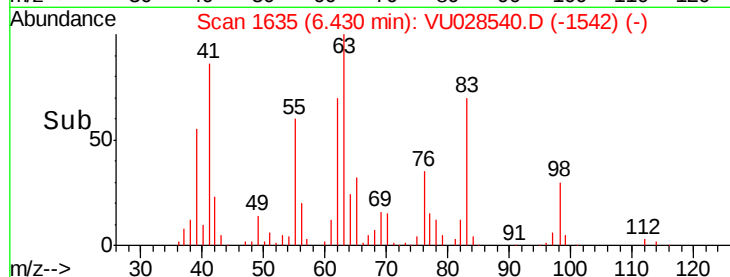
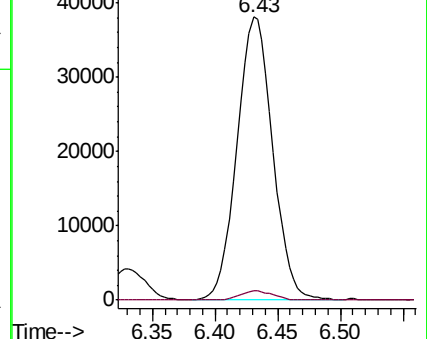
63 100

112 3.0 2.4 3.6



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 50.664 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

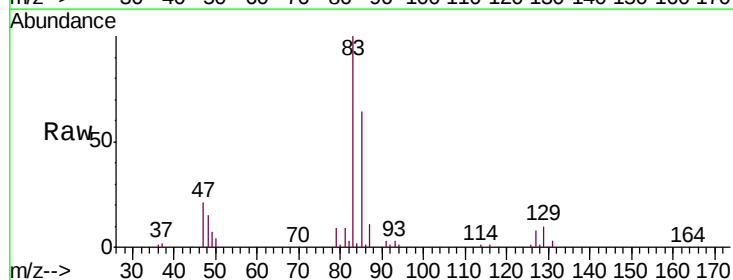
Tgt Ion: 83 Resp: 83407

Ion Ratio Lower Upper

83 100

85 63.7 46.5 86.3

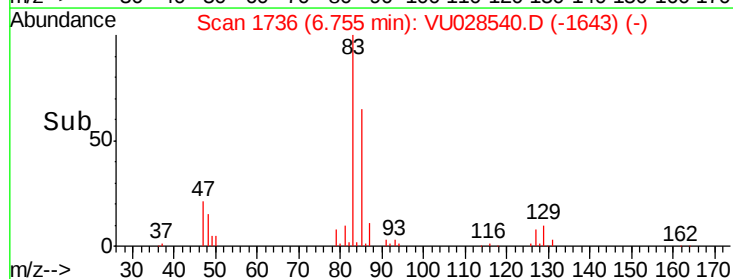
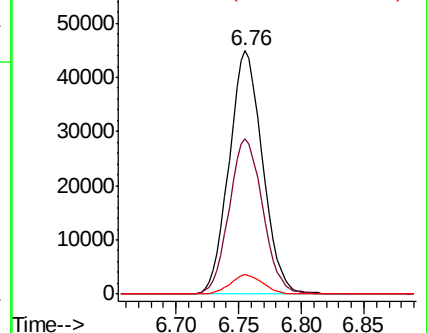
127 7.9 6.3 9.5

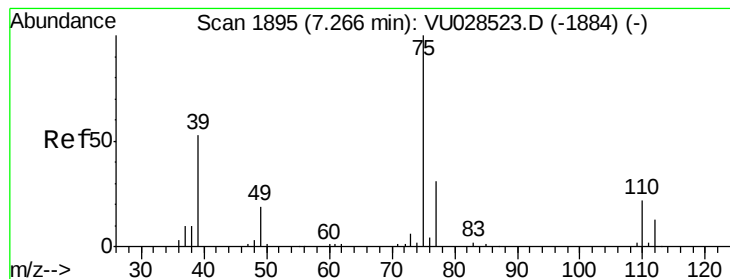


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#39

cis-1,3-Dichloropropene

Concen: 51.614 ug/L

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

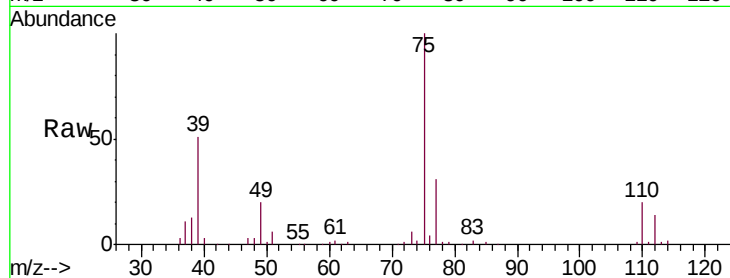
VSTD05041

Tgt Ion: 75 Resp: 109659

Ion Ratio Lower Upper

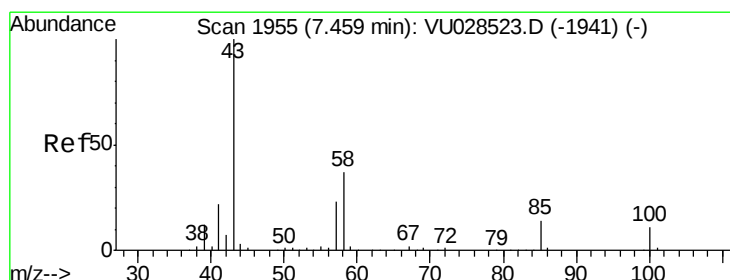
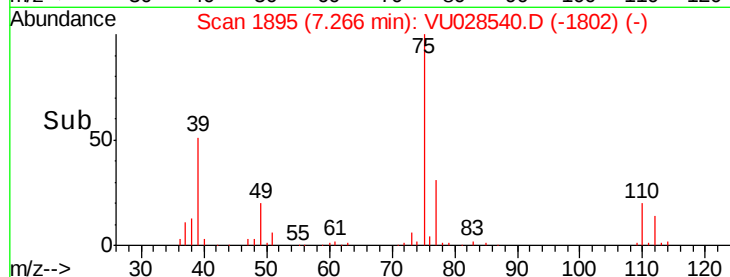
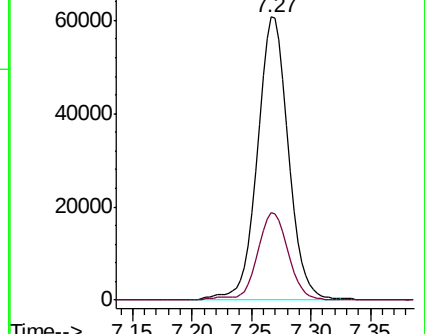
75 100

77 30.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 105.341 ug/L

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

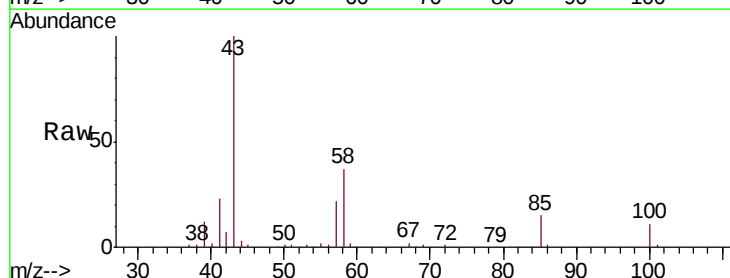
Tgt Ion: 43 Resp: 240128

Ion Ratio Lower Upper

43 100

58 37.1 29.6 44.4

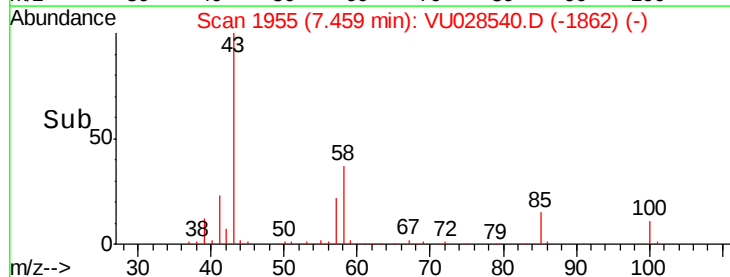
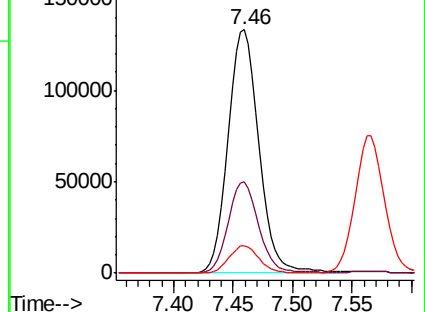
100 11.1 9.0 13.4

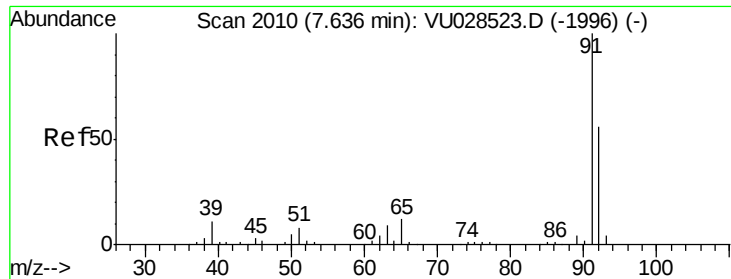


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 50.787 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

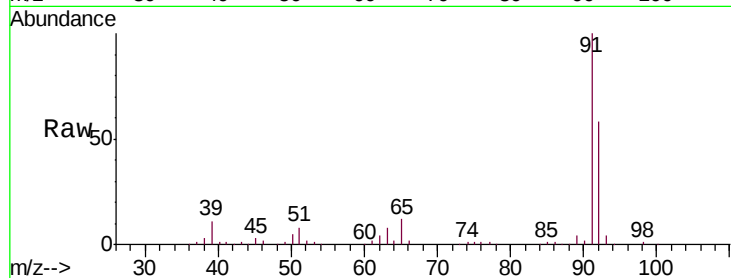
VSTD05041

Tgt Ion: 91 Resp: 258366

Ion Ratio Lower Upper

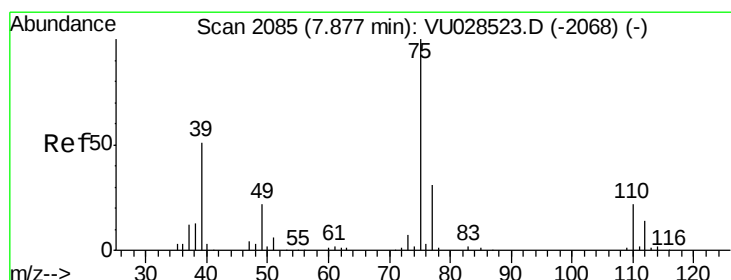
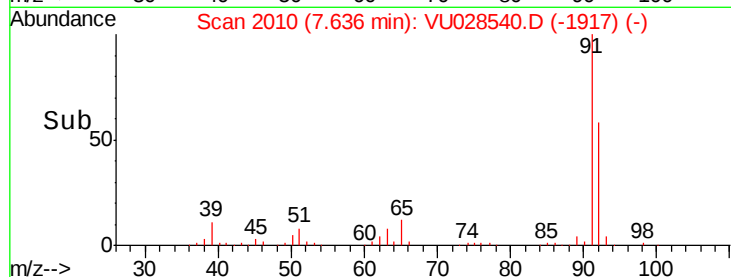
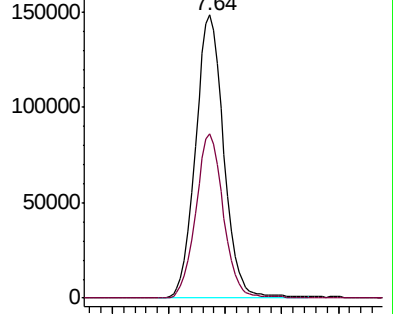
91 100

92 57.9 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 51.103 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028540.D

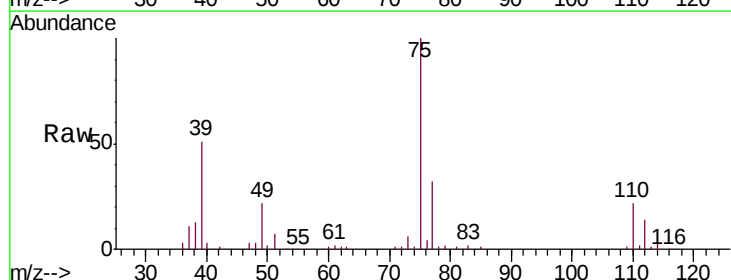
Acq: 10 Dec 2018 09:42

Tgt Ion: 75 Resp: 100144

Ion Ratio Lower Upper

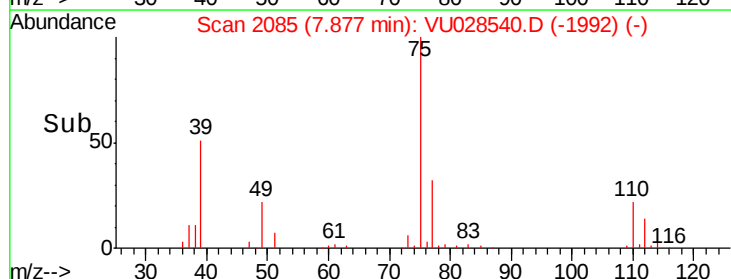
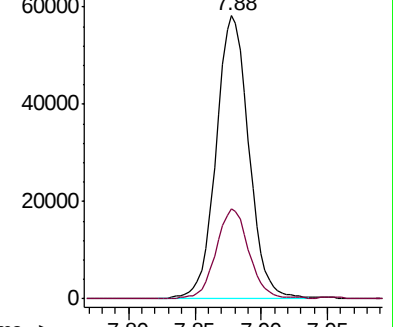
75 100

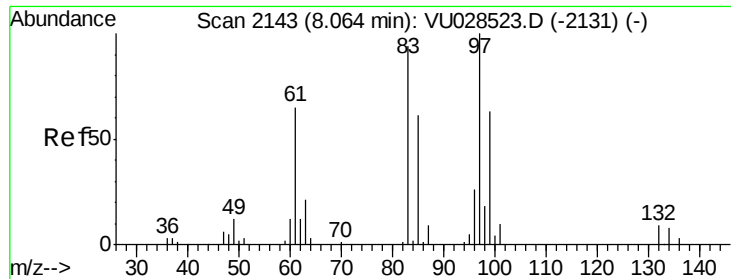
77 31.7 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

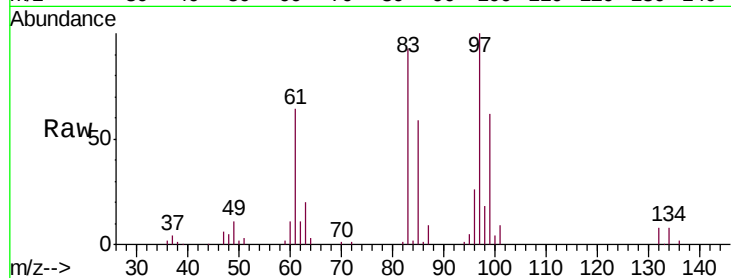




#45
 1,1,2-Trichloroethane
 Concen: 51.454 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05041

Tgt Ion:	97	Resp:	60358
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.2	82.2
83	93.5	66.0	122.6
85	59.3	42.5	78.9



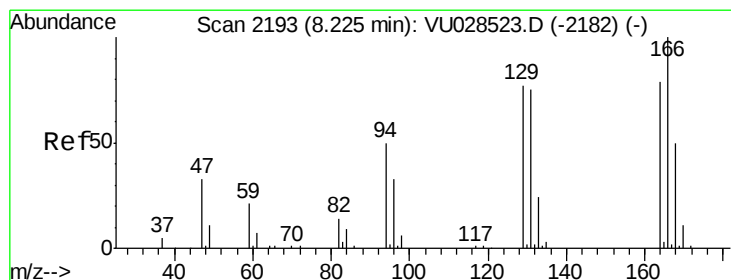
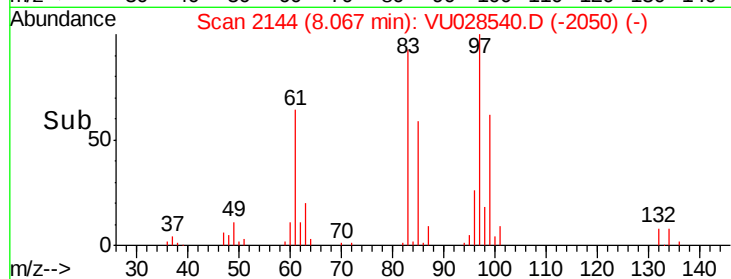
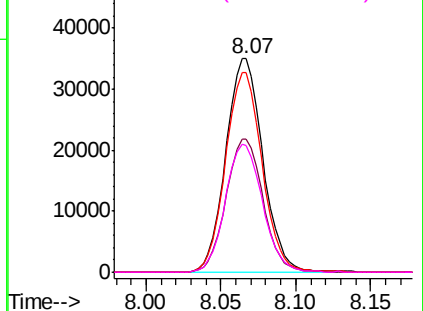
Abundance

Ion 97.00 (96.70 to 97.70): VU028523.D (-2131) (-)

Ion 99.00 (98.70 to 99.70): VU028523.D (-2131) (-)

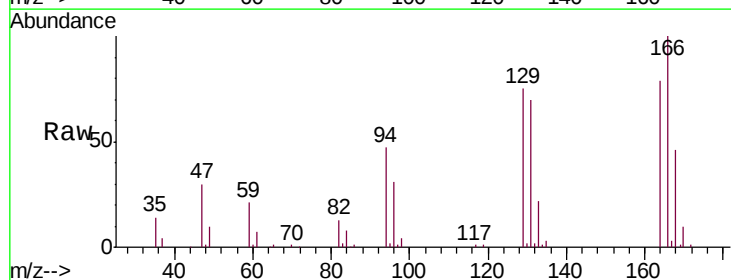
Ion 83.00 (82.70 to 83.70): VU028523.D (-2131) (-)

Ion 85.00 (84.70 to 85.70): VU028523.D (-2131) (-)



#46
 Tetrachloroethene
 Concen: 50.868 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

Tgt Ion:	164	Resp:	43779
Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.2	126.6
131	88.8	66.1	122.7
166	127.1	88.3	163.9



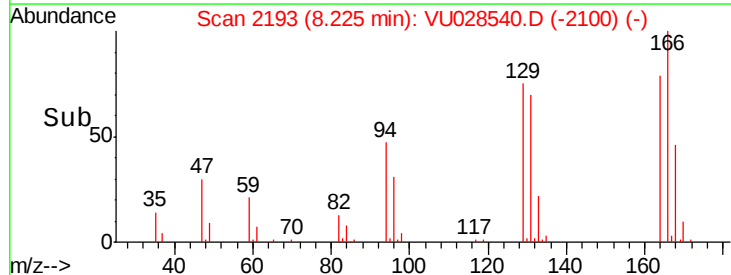
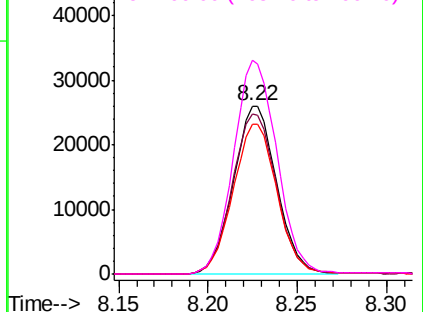
Abundance

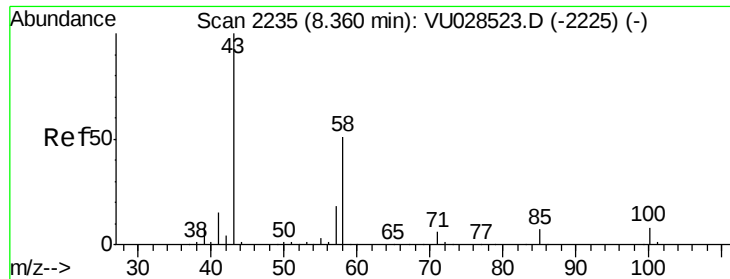
Ion 164.00 (163.70 to 164.70): VU028523.D (-2182) (-)

Ion 129.00 (128.70 to 129.70): VU028523.D (-2182) (-)

Ion 131.00 (130.70 to 131.70): VU028523.D (-2182) (-)

Ion 166.00 (165.70 to 166.70): VU028523.D (-2182) (-)

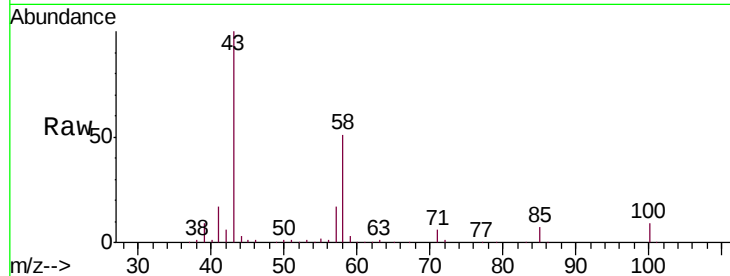




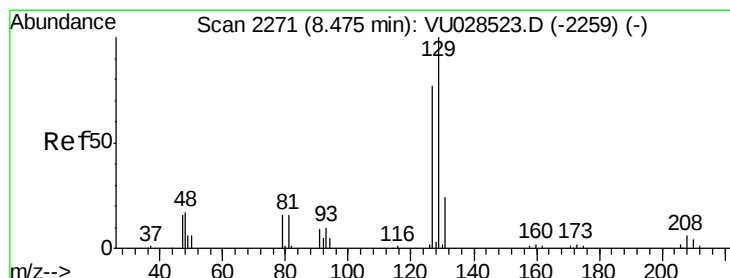
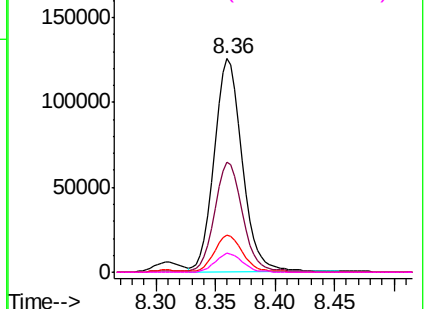
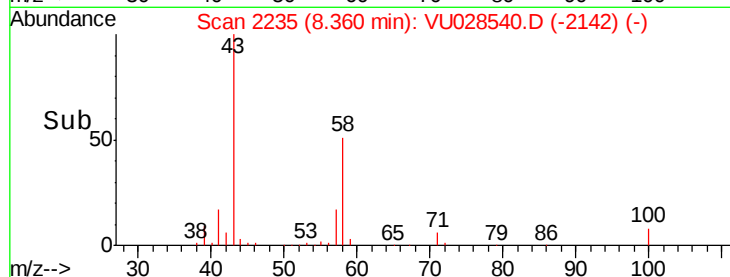
#48
2-Hexanone
Concen: 106.426 ug/L
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Tgt Ion: 43 Resp: 205280
Ion Ratio Lower Upper
43 100
58 51.2 41.6 62.4
57 17.4 13.8 20.6
100 8.8 7.0 10.4

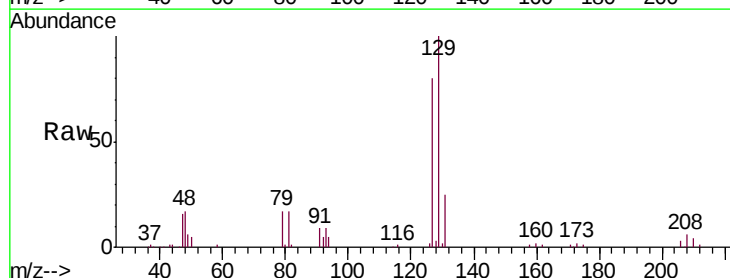


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

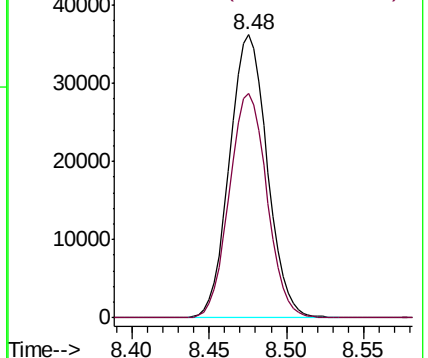
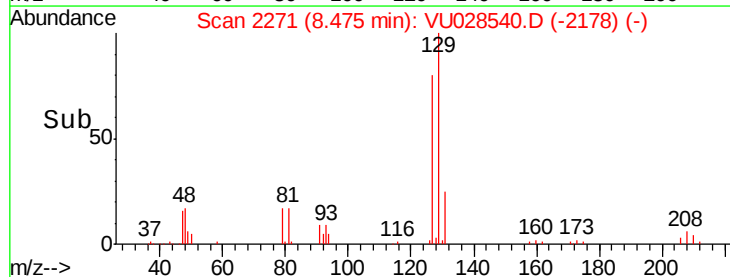


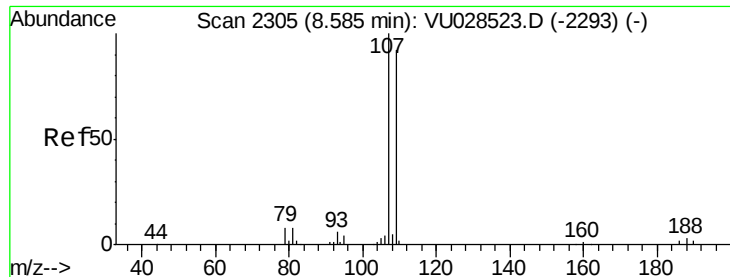
#49
Dibromochloromethane
Concen: 51.614 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

Tgt Ion: 129 Resp: 61247
Ion Ratio Lower Upper
129 100
127 79.5 54.0 100.2



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

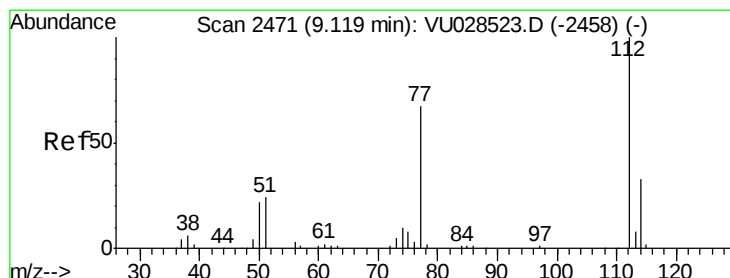
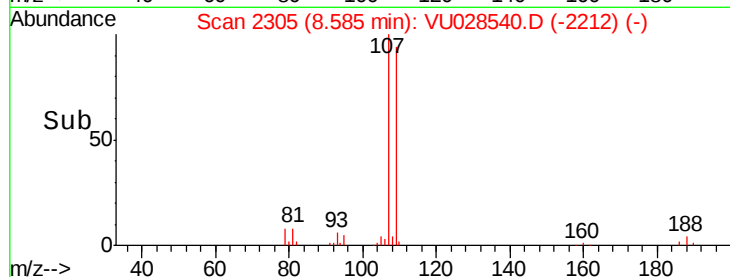
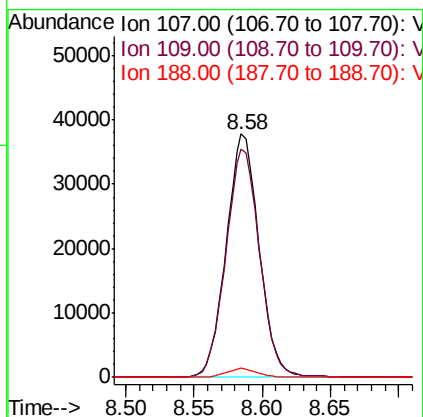
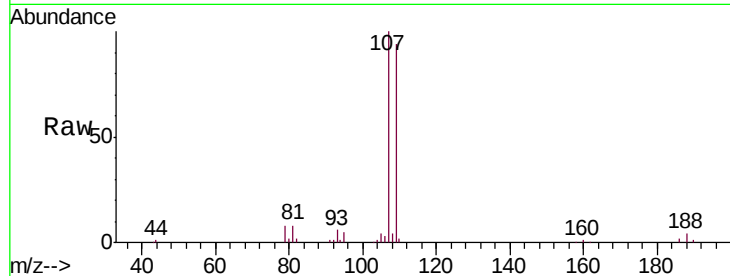




#50
1,2-Dibromoethane
Concen: 51.458 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

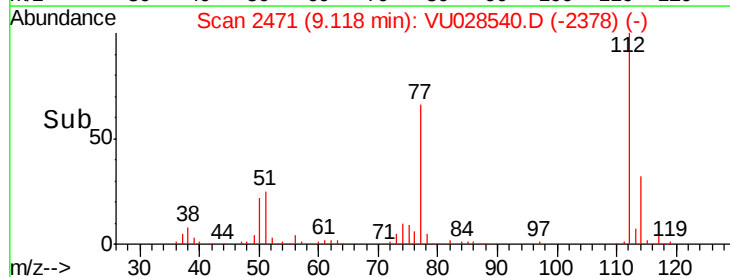
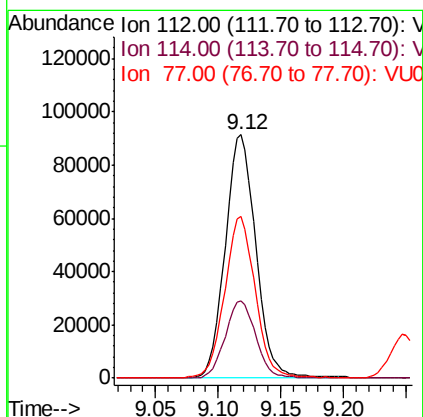
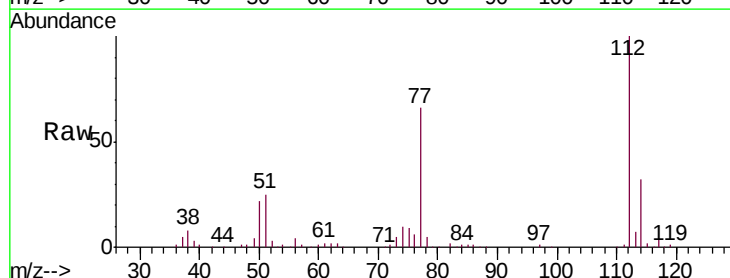
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

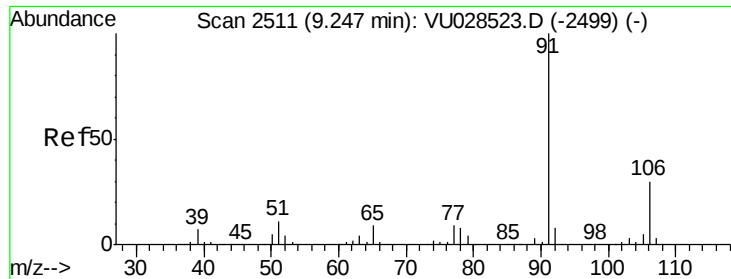
Tgt Ion:107 Resp: 63306
Ion Ratio Lower Upper
107 100
109 93.9 64.5 119.9
188 3.6 2.6 3.8



#51
Chlorobenzene
Concen: 50.835 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

Tgt Ion:112 Resp: 155792
Ion Ratio Lower Upper
112 100
114 31.8 23.0 42.6
77 66.4 53.9 80.9





#52

Ethylbenzene

Concen: 50.698 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

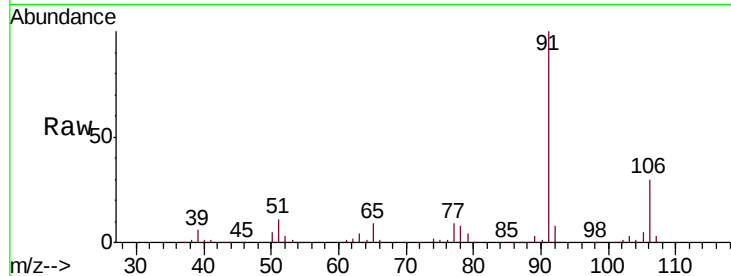
VSTD05041

Tgt Ion: 91 Resp: 285524

Ion Ratio Lower Upper

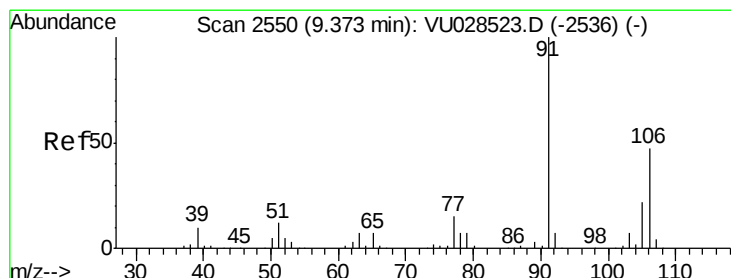
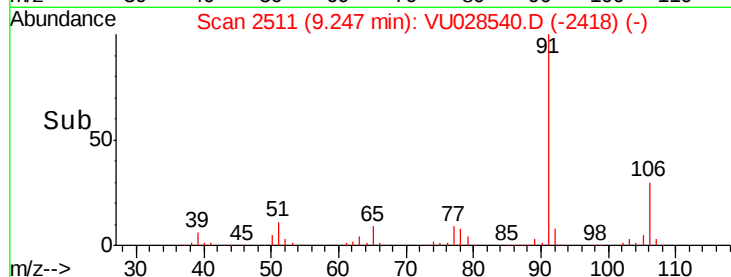
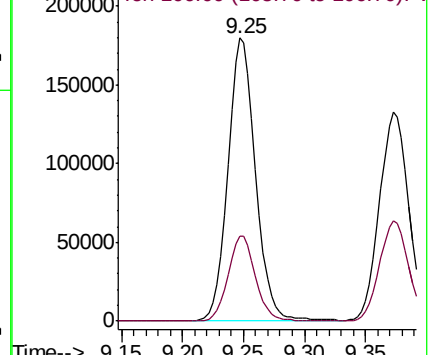
91 100

106 30.1 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 51.709 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028540.D

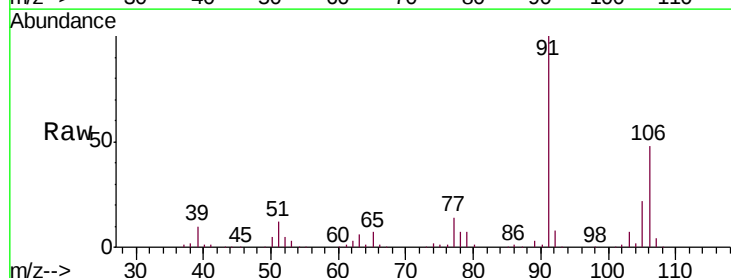
Acq: 10 Dec 2018 09:42

Tgt Ion: 106 Resp: 105423

Ion Ratio Lower Upper

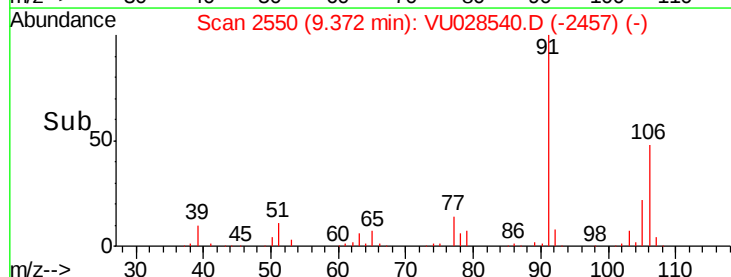
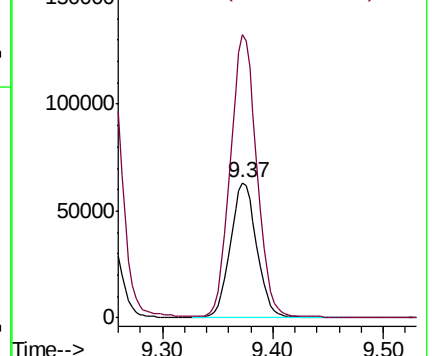
106 100

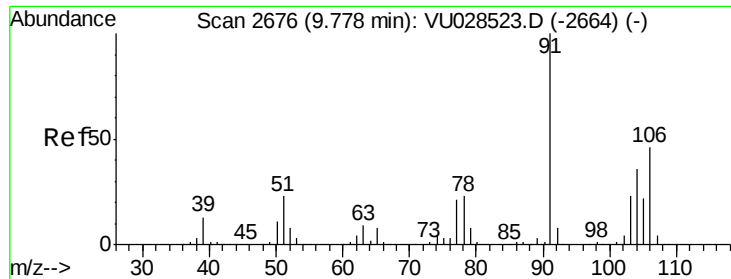
91 209.2 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

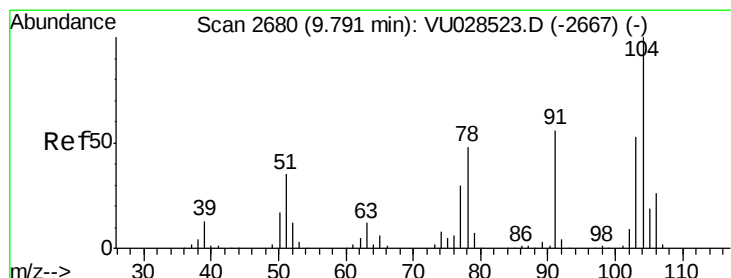
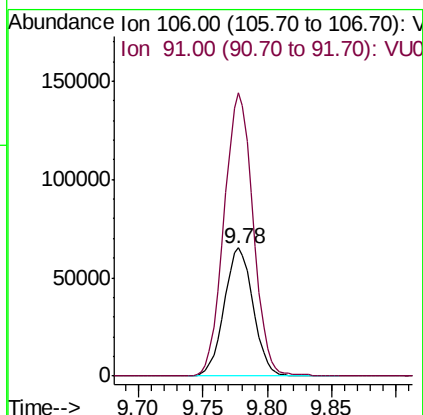
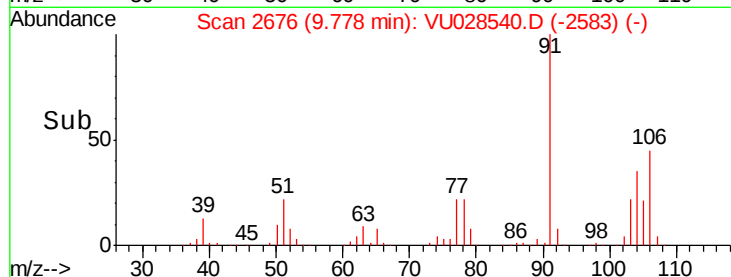
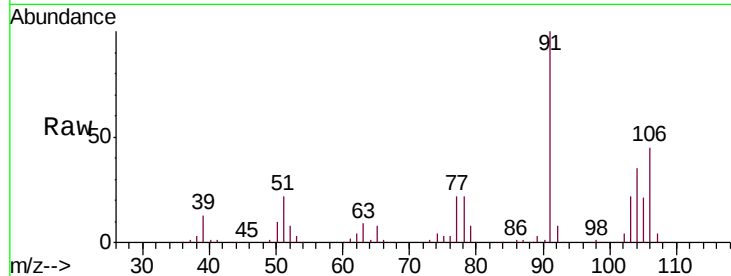




#54
o-xylene
Concen: 50.871 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

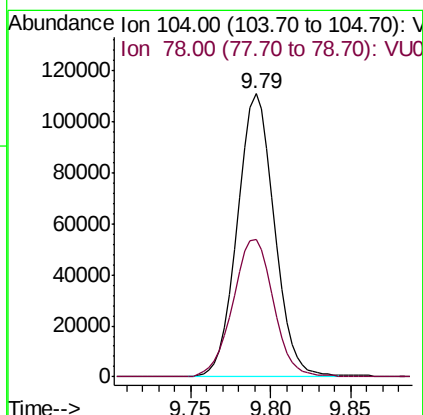
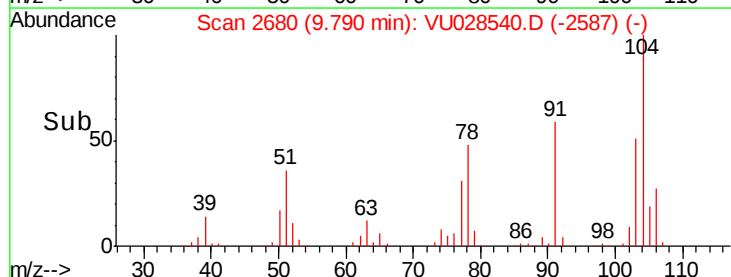
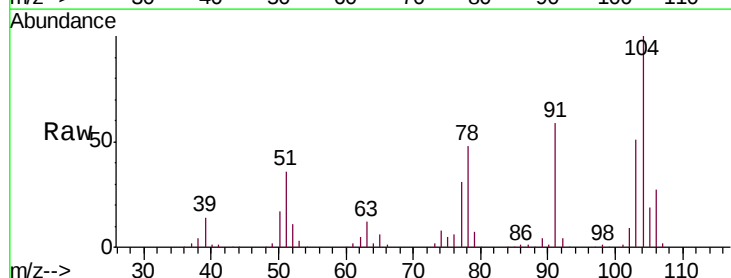
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

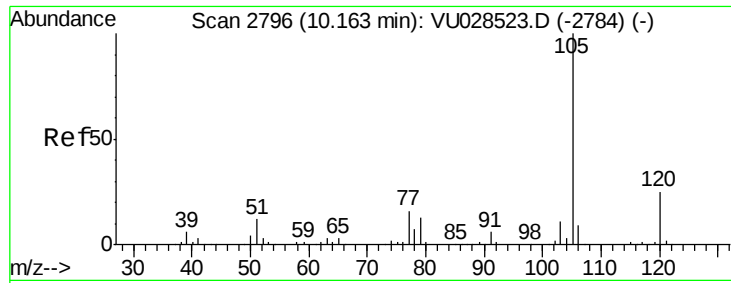
Tgt Ion:106 Resp: 101842
Ion Ratio Lower Upper
106 100
91 220.4 151.4 281.2



#55
Styrene
Concen: 51.402 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028540.D
Acq: 10 Dec 2018 09:42

Tgt Ion:104 Resp: 174726
Ion Ratio Lower Upper
104 100
78 48.4 34.1 63.3





#56

Isopropylbenzene

Concen: 51.229 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

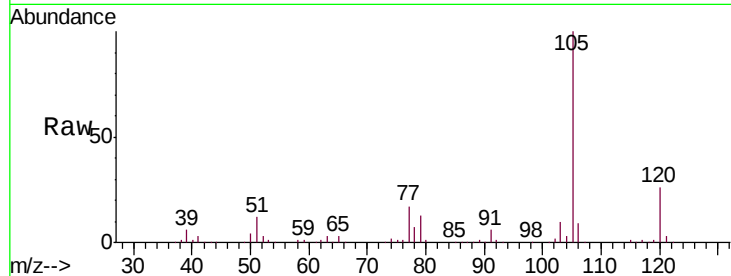
Tgt Ion:105 Resp: 267335

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.2

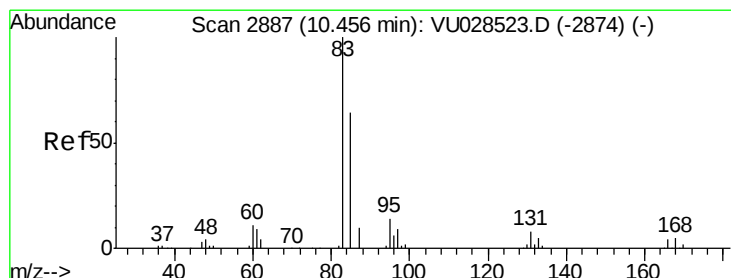
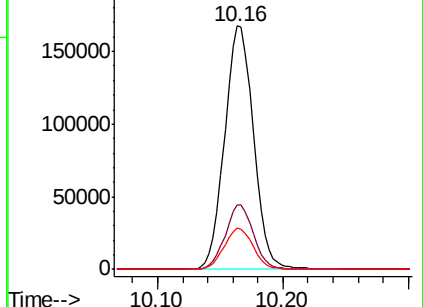
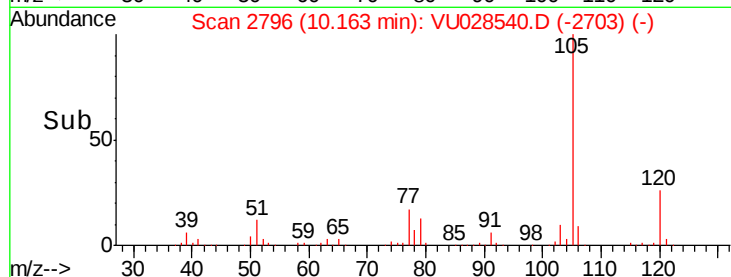
77 16.9 13.1 19.7



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: 51.584 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

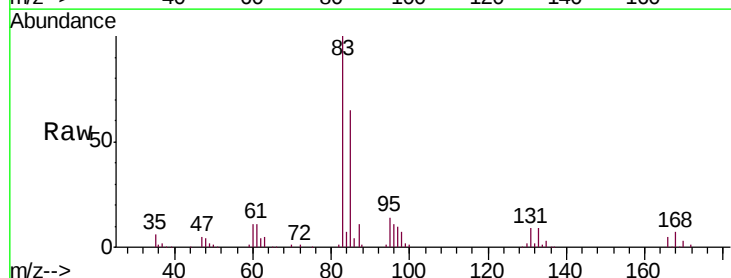
Tgt Ion: 83 Resp: 111141

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.7

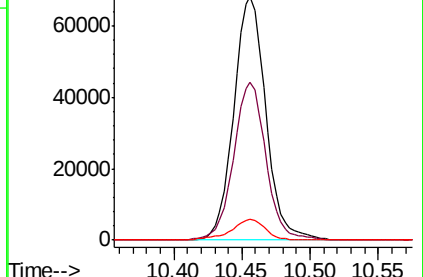
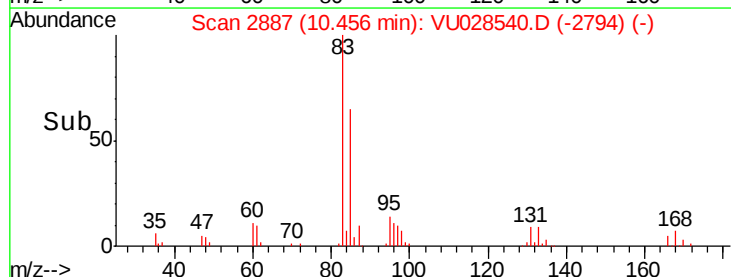
131 8.8 6.4 9.6

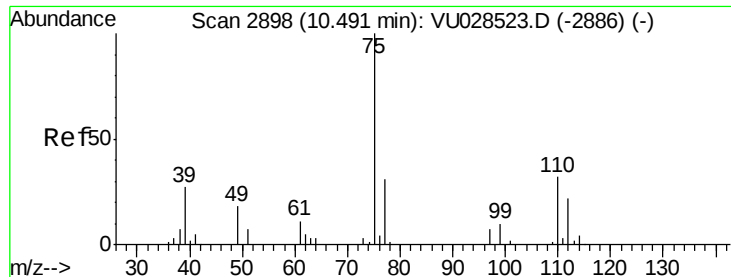


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

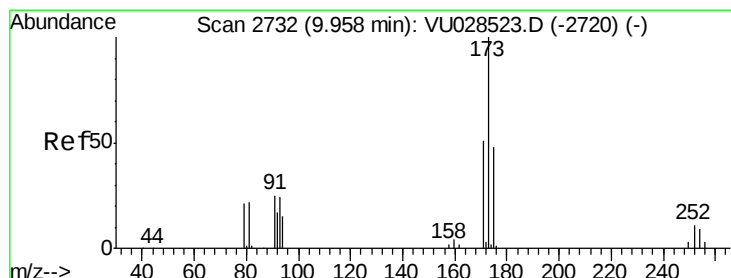
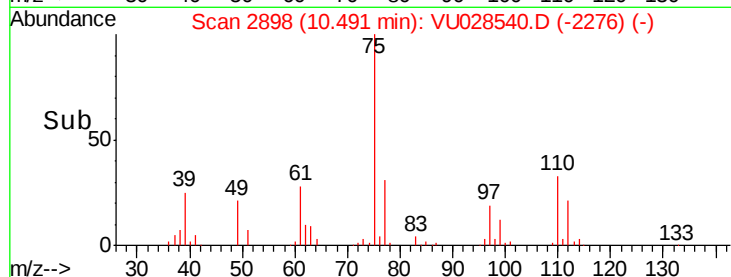
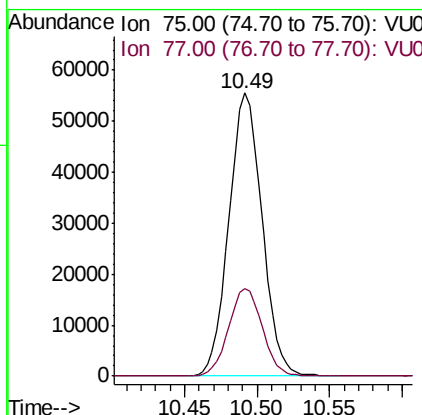
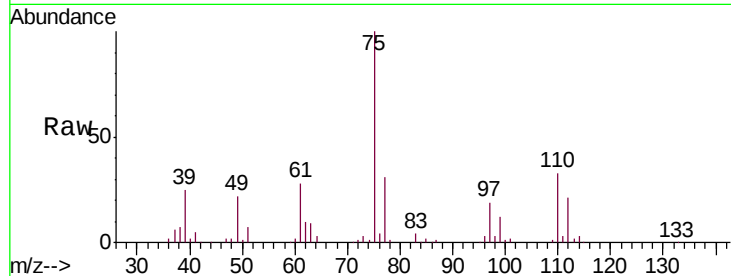




#59
 1,2,3-Trichloropropane
 Concen: 52.190 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

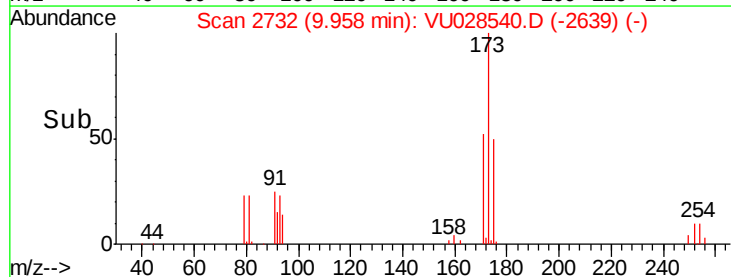
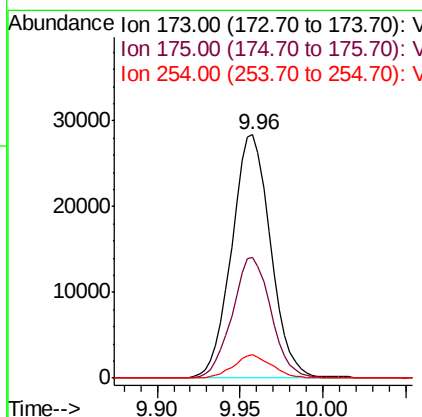
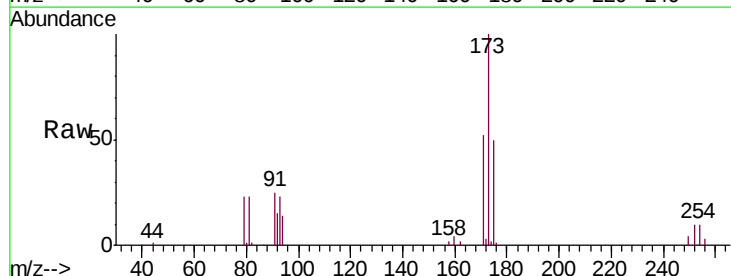
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

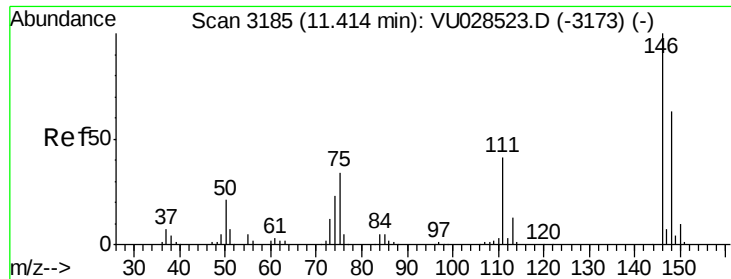
Tgt Ion: 75 Resp: 88276
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2



#61
 Bromoform
 Concen: 52.678 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

Tgt Ion: 173 Resp: 46438
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.7 58.1
 254 9.3 7.1 10.7

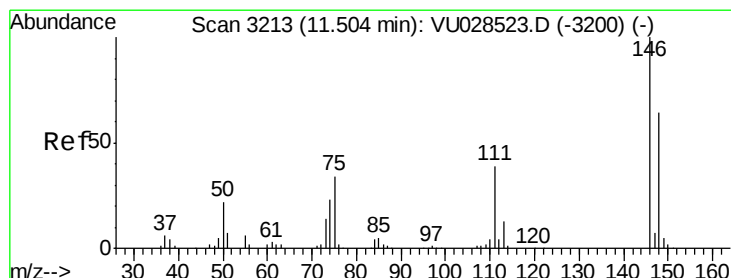
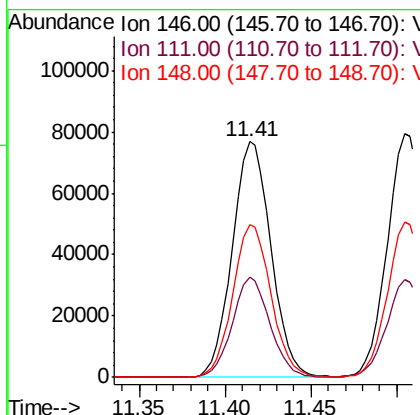
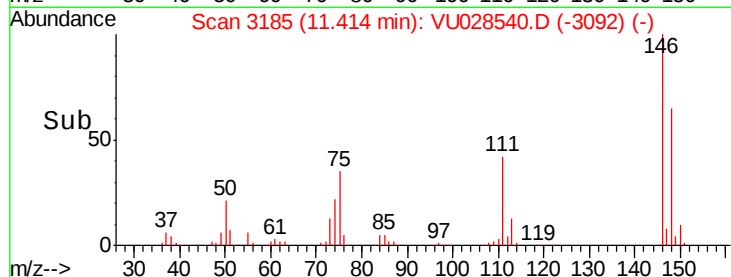
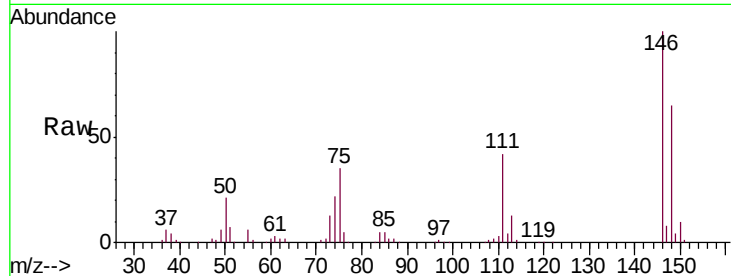




#62
 1,3-Dichlorobenzene
 Concen: 51.404 ug/L
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

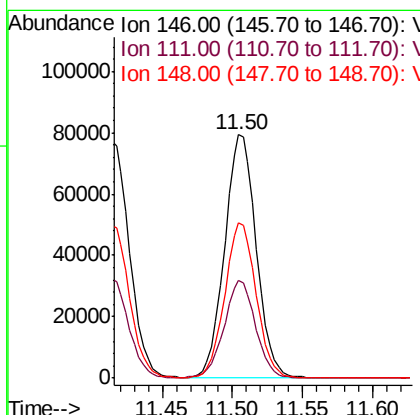
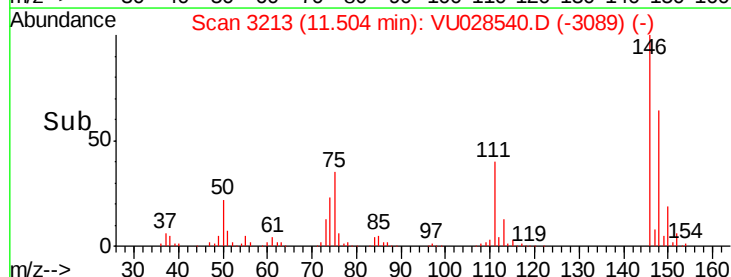
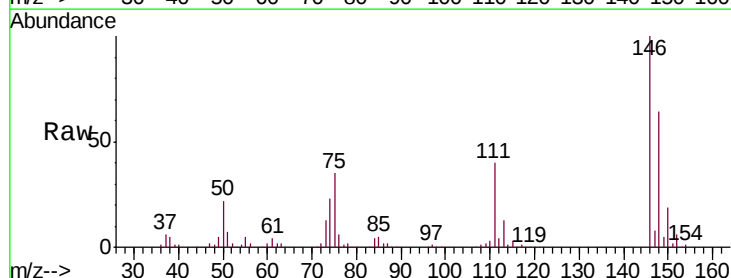
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05041

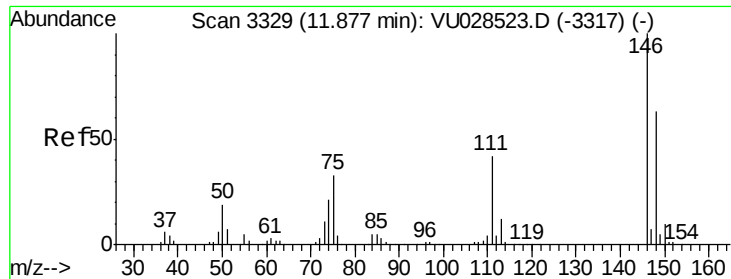
Tgt Ion:146 Resp: 120859
 Ion Ratio Lower Upper
 146 100
 111 42.4 28.5 52.9
 148 64.8 43.9 81.5



#63
 1,4-Dichlorobenzene
 Concen: 51.997 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

Tgt Ion:146 Resp: 123715
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.6 51.4
 148 64.0 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 51.448 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

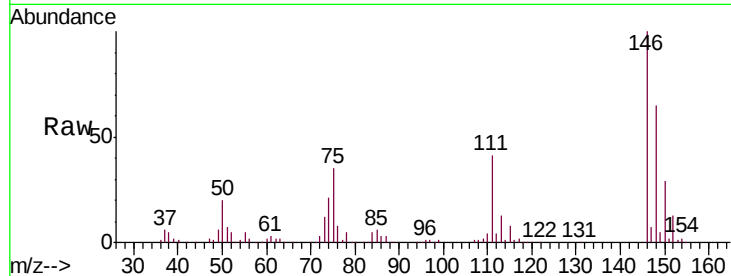
Tgt Ion:146 Resp: 120859

Ion Ratio Lower Upper

146 100

111 40.9 33.4 50.2

148 64.7 50.2 75.2

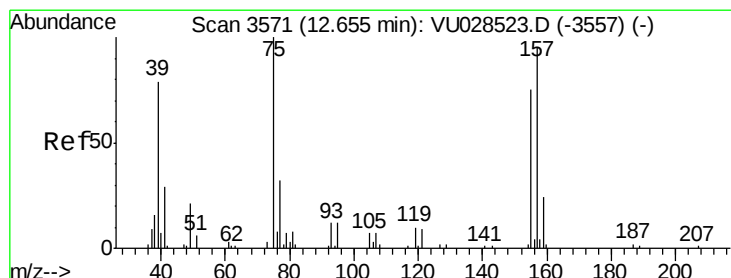
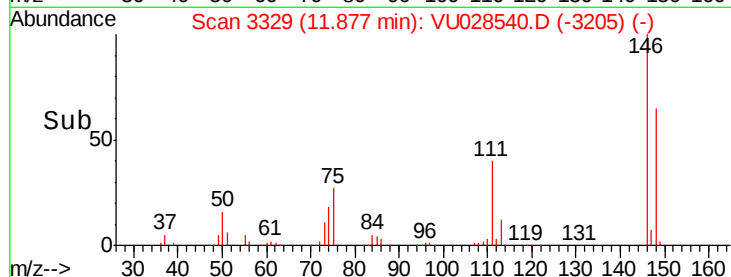
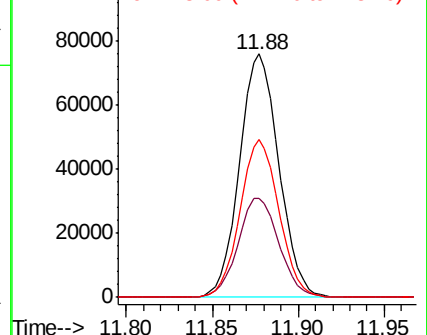


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 52.177 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

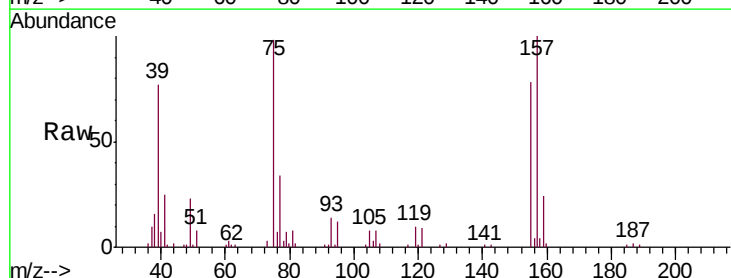
Tgt Ion: 75 Resp: 24133

Ion Ratio Lower Upper

75 100

155 79.8 59.9 89.9

157 102.2 75.8 113.8

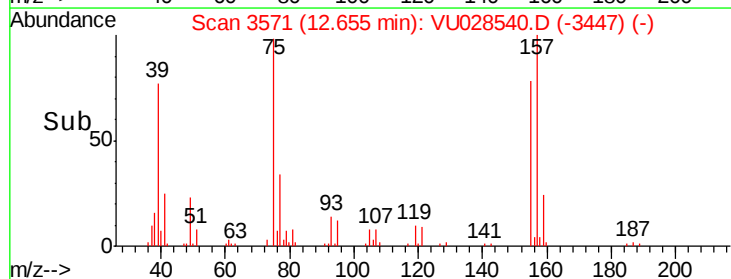
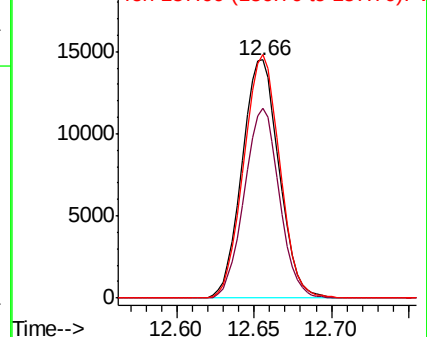


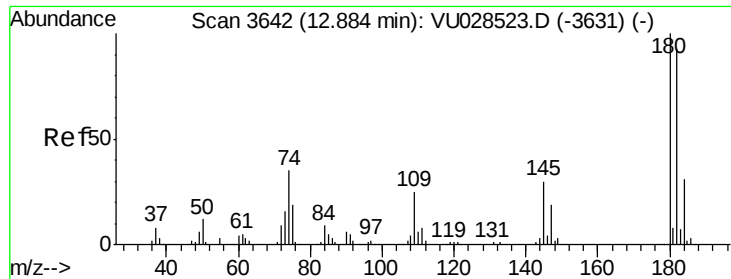
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

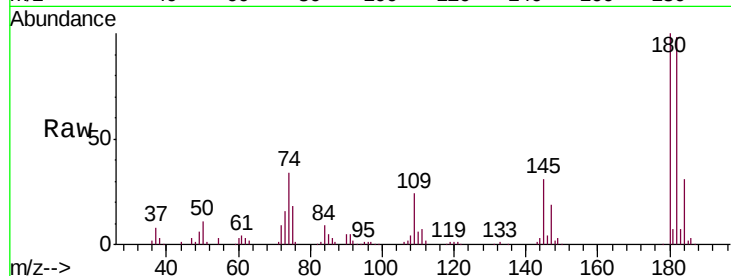




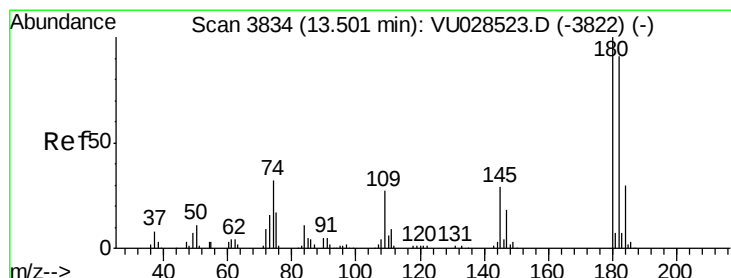
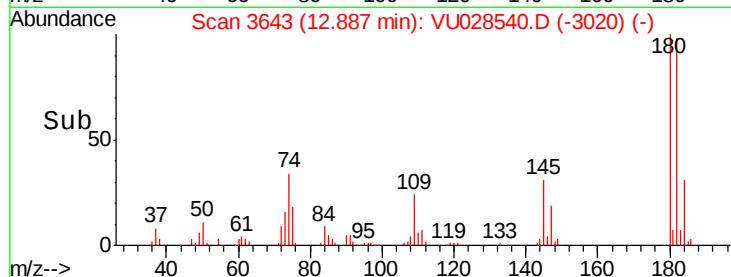
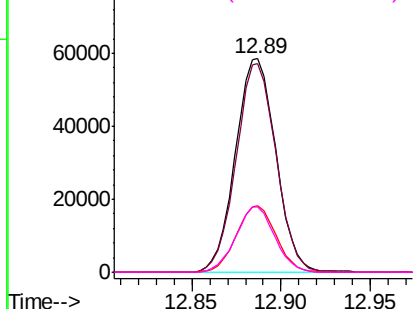
#67
 1,3,5-Trichlorobenzene
 Concen: 53.964 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Tgt Ion:	180	Resp:	92141
Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.0	112.6
184	30.6	23.9	35.9
145	29.4	23.8	35.8

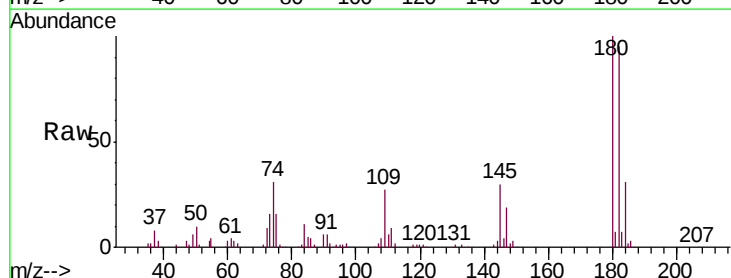


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

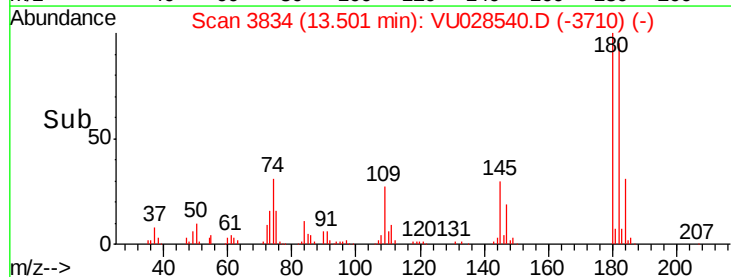
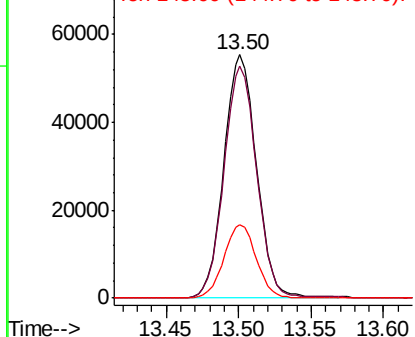


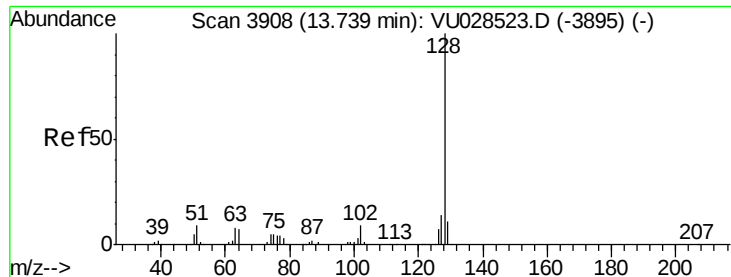
#68
 1,2,4-trichlorobenzene
 Concen: 54.188 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028540.D
 Acq: 10 Dec 2018 09:42

Tgt Ion:	180	Resp:	86784
Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.8	112.2
145	29.7	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: 55.043 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

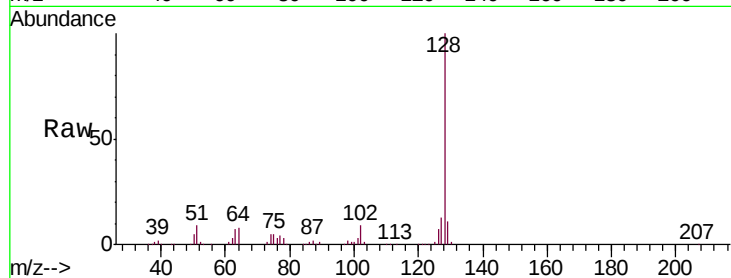
Tgt Ion:128 Resp: 292586

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

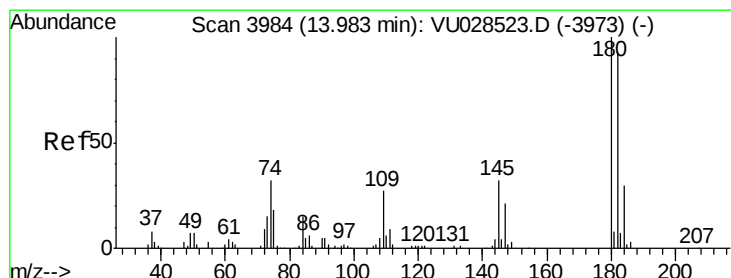
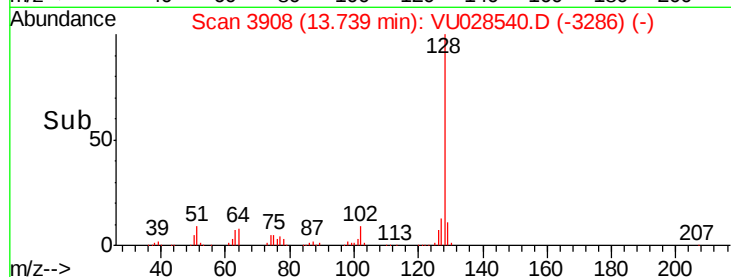
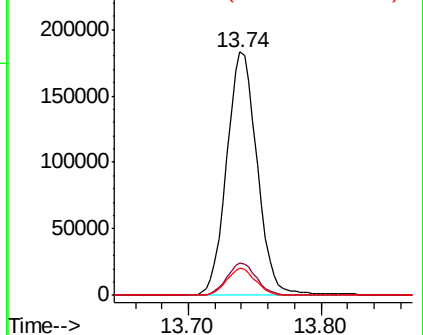
129 10.7 8.6 13.0



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: 54.782 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028540.D

Acq: 10 Dec 2018 09:42

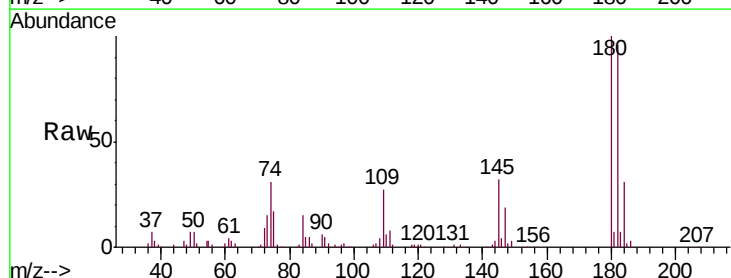
Tgt Ion:180 Resp: 87639

Ion Ratio Lower Upper

180 100

182 95.0 75.2 112.8

145 31.5 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

