

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020119\
 Data File : VU029327.D
 Acq On : 01 Feb 2019 11:18
 Operator : JC/SP
 Sample : VSTD0.543
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

Quant Time: Feb 01 23:05:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR020119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 01 23:02:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	53496	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	52855	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	26111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	2113	0.49	ug/L	-0.01
7) Chloroethane-d5	1.67	69	2094	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	5714	0.49	ug/L	-0.01
20) 2-Butanone-d5	4.20	46	6568	4.85	ug/L	0.00
24) Chloroform-d	4.64	84	4606	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3095	0.50	ug/L	0.00
32) Benzene-d6	5.33	84	7275	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	2338	0.47	ug/L	0.00
41) Toluene-d8	7.56	98	6647	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	913	0.39	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	3826	3.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2050	0.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	2654	0.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	3609	0.510 ug/L	99
3) Chloromethane	1.31	50	2718	0.515 ug/L	86
5) Vinyl chloride	1.39	62	2724	0.486 ug/L	96
6) Bromomethane	1.62	94	2067	0.557 ug/L	93
8) Chloroethane	1.69	64	2803	0.666 ug/L	83
9) Trichlorofluoromethane	1.88	101	5276	0.511 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	2600	0.533 ug/L	97
12) 1,1-Dichloroethene	2.28	96	2055	0.495 ug/L	84
13) Acetone	2.34	43	7693	6.155 ug/L	81
14) Carbon disulfide	2.47	76	8649	0.553 ug/L	98
15) Methyl Acetate	2.62	43	1805	0.613 ug/L #	77
16) Methylene chloride	2.69	84	2928	0.585 ug/L	94
17) Methyl tert-butyl Ether	3.00	73	6973	0.527 ug/L #	94
18) trans-1,2-Dichloroethene	2.97	96	2651	0.571 ug/L	98
19) 1,1-Dichloroethane	3.43	63	5646	0.564 ug/L	98
21) 2-Butanone	4.29	43	7036	5.142 ug/L	95
22) cis-1,2-Dichloroethene	4.21	96	2232	0.497 ug/L	94
23) Bromochloromethane	4.55	128	979	0.487 ug/L	91
25) Chloroform	4.67	83	4867	0.514 ug/L	100
27) 1,2-Dichloroethane	5.40	62	3659	0.508 ug/L #	82
29) 1,1,1-Trichloroethane	4.90	97	2578	0.300 ug/L #	48
30) Cyclohexane	4.99	56	3442	0.508 ug/L	91
31) Carbon tetrachloride	5.12	117	3993	0.529 ug/L	90
33) Benzene	5.38	78	8691	0.510 ug/L	100
34) Trichloroethene	6.18	95	2388	0.517 ug/L	93
35) Methylcyclohexane	6.41	83	3287	0.485 ug/L	98
37) 1,2-Dichloropropane	6.43	63	2354	0.511 ug/L #	88
38) Bromodichloromethane	6.75	83	3387	0.508 ug/L #	92
39) cis-1,3-Dichloropropene	7.27	75	3082	0.459 ug/L	88
40) 4-Methyl-2-pentanone	7.47	43	16321	5.122 ug/L	97

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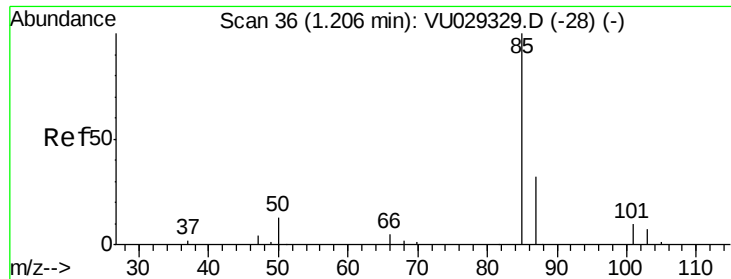
Instrument :
 MSVOA_U
 ClientSampleId :
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Quant Time: Feb 01 23:05:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR020119WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	8530	0.474	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	2846	0.468	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	1640	0.513	ug/L	94
47) Tetrachloroethene	8.23	164	2093	0.547	ug/L	96
48) 2-Hexanone	8.37	43	12611	5.282	ug/L #	94
49) Dibromochloromethane	8.48	129	2162	0.505	ug/L	86
50) 1,2-Dibromoethane	8.58	107	1444	0.477	ug/L #	93
51) Chlorobenzene	9.12	112	5862	0.502	ug/L	94
52) Ethylbenzene	9.25	91	9247	0.463	ug/L	96
53) m,p-xylene	9.38	106	3529	0.470	ug/L	100
54) o-xylene	9.78	106	3260	0.453	ug/L	91
55) Styrene	9.79	104	5433	0.439	ug/L	90
56) Isopropylbenzene	10.17	105	8701	0.444	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	2203	0.534	ug/L	92
59) 1,2,3-Trichloropropane	10.50	75	1693	0.515	ug/L	99
61) Bromoform	9.96	173	1346	0.561	ug/L #	93
62) 1,3-Dichlorobenzene	11.42	146	4662	0.522	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	4877	0.523	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	4637	0.531	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	381	0.501	ug/L #	92
67) 1,3,5-Trichlorobenzene	12.89	180	3955	0.526	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	3340	0.520	ug/L	97
69) Naphthalene	13.74	128	5450	0.526	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.99	180	3534	0.562	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.510 ug/L

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

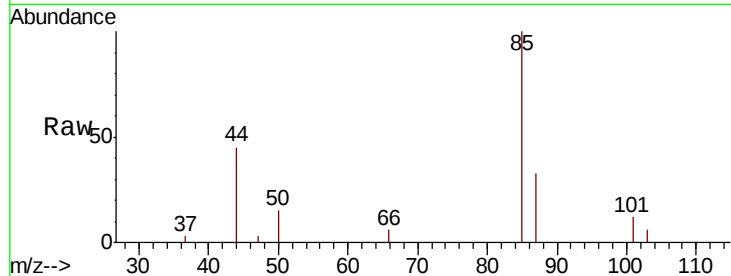
VSTD0.543

Tgt Ion: 85 Resp: 3609

Ion Ratio Lower Upper

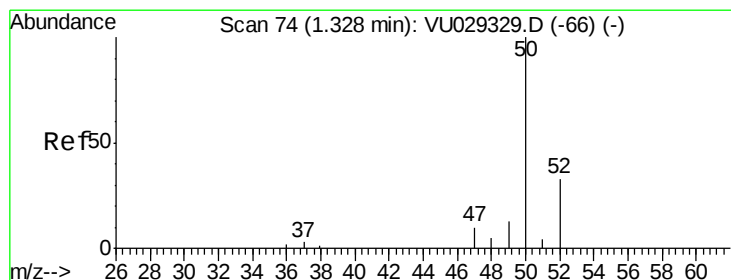
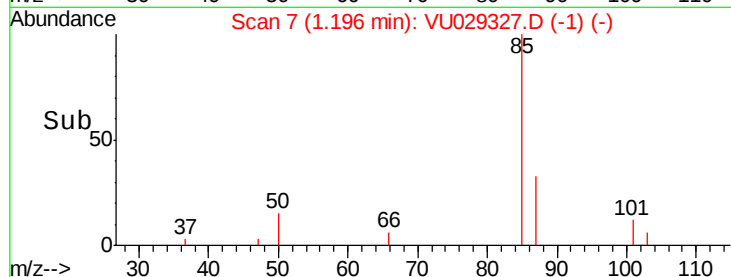
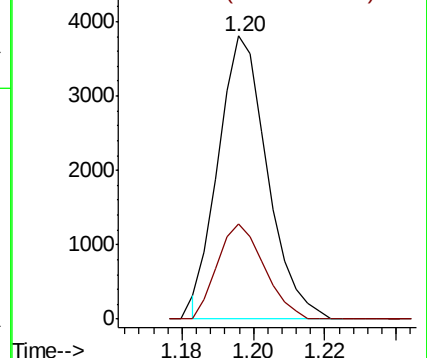
85 100

87 32.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.515 ug/L

RT: 1.31 min Scan# 44

Delta R.T. -0.01 min

Lab File: VU029327.D

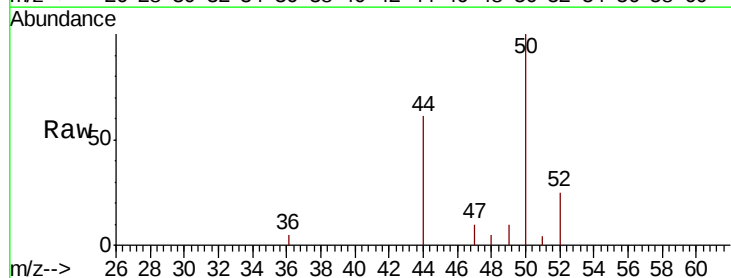
Acq: 01 Feb 2019 11:18

Tgt Ion: 50 Resp: 2718

Ion Ratio Lower Upper

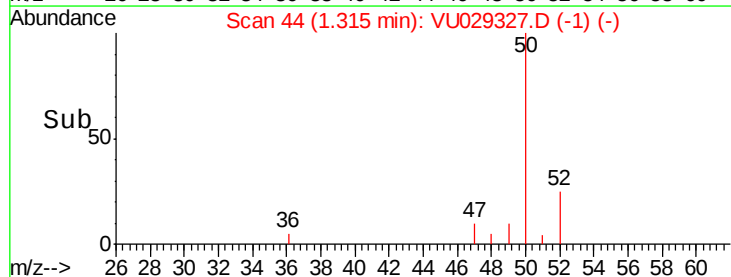
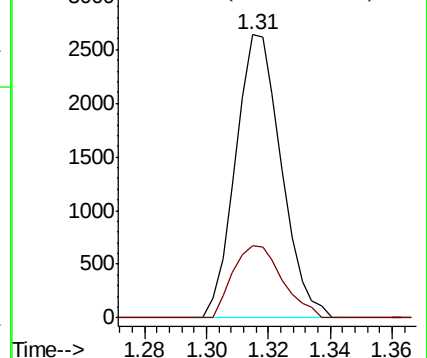
50 100

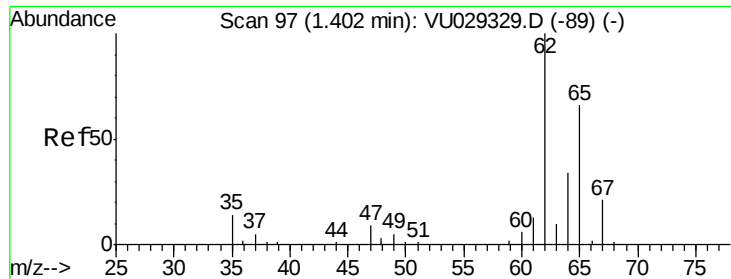
52 25.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.486 ug/L

RT: 1.39 min Scan# 68

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

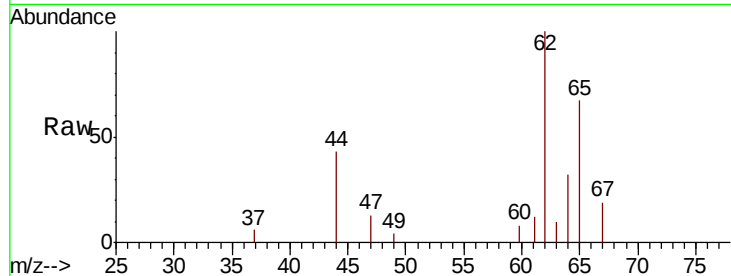
VSTD0.543

Tgt Ion: 62 Resp: 2724

Ion Ratio Lower Upper

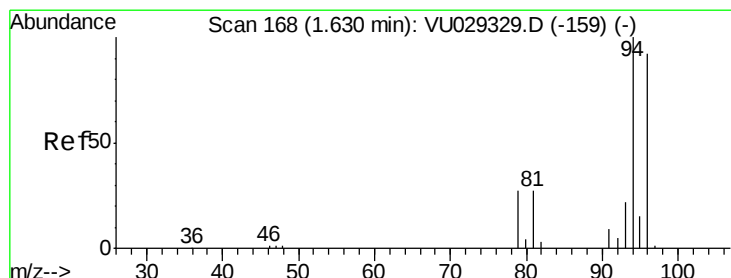
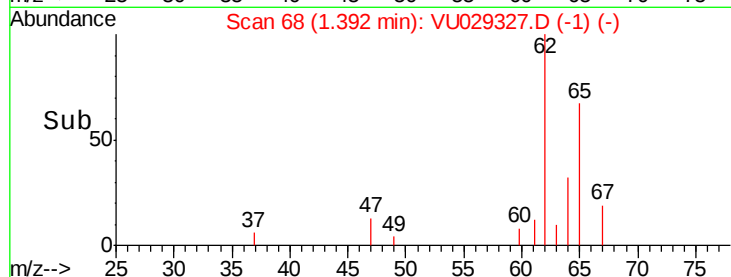
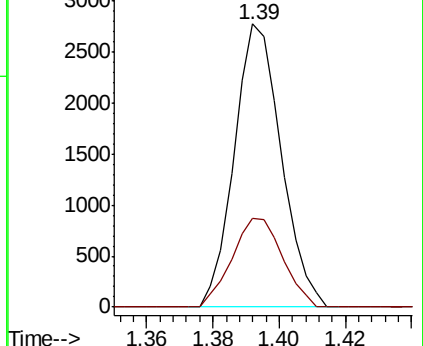
62 100

64 31.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.557 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.01 min

Lab File: VU029327.D

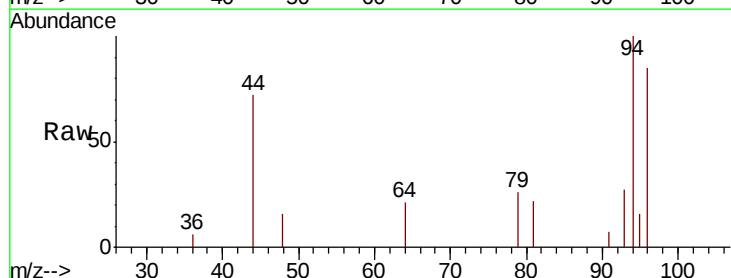
Acq: 01 Feb 2019 11:18

Tgt Ion: 94 Resp: 2067

Ion Ratio Lower Upper

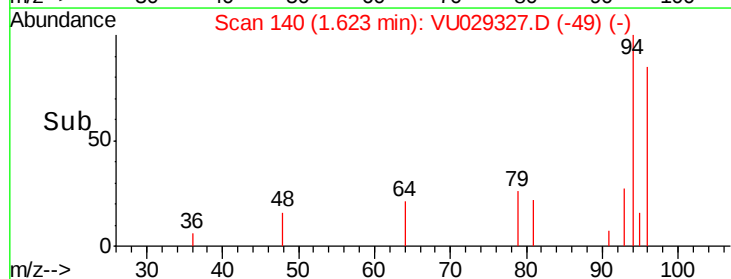
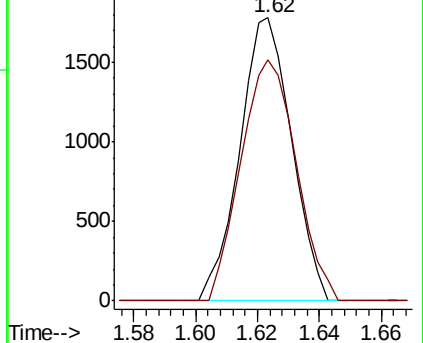
94 100

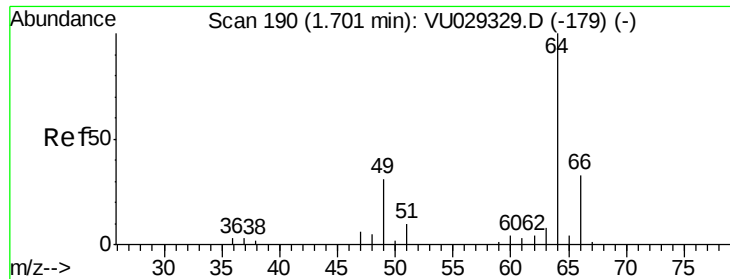
96 85.0 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

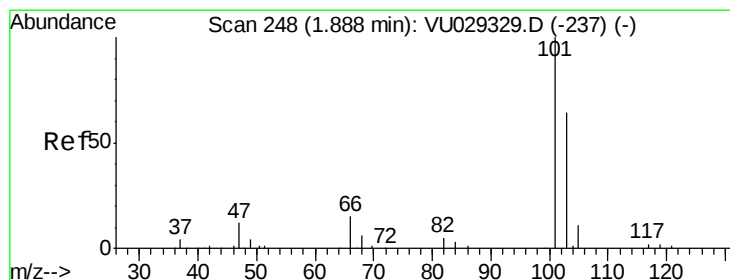
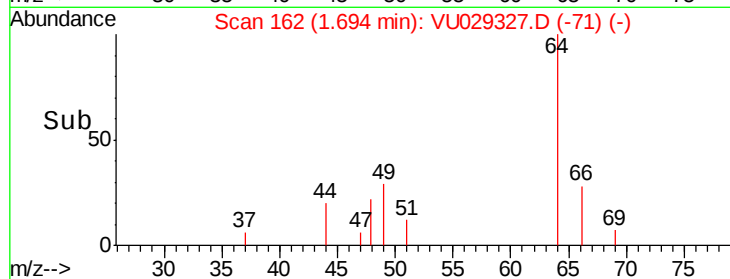
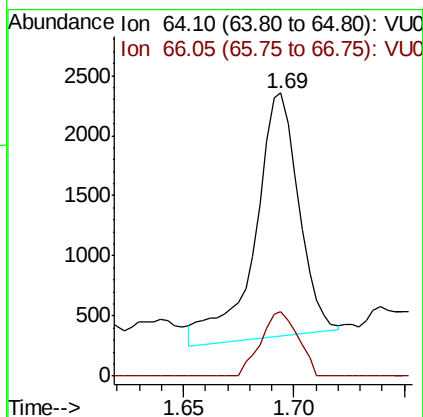
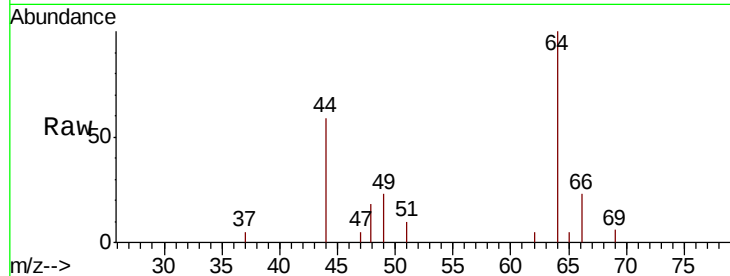




#8
Chloroethane
Concen: 0.666 ug/L
RT: 1.69 min Scan# 162
Delta R.T. -0.01 min
Lab File: VU029327.D
Acq: 01 Feb 2019 11:18

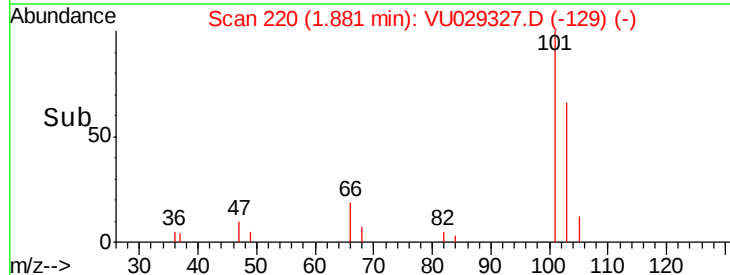
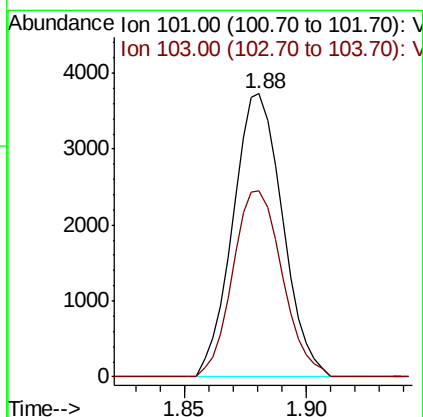
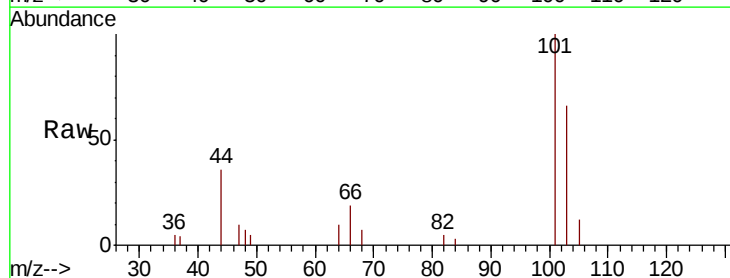
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

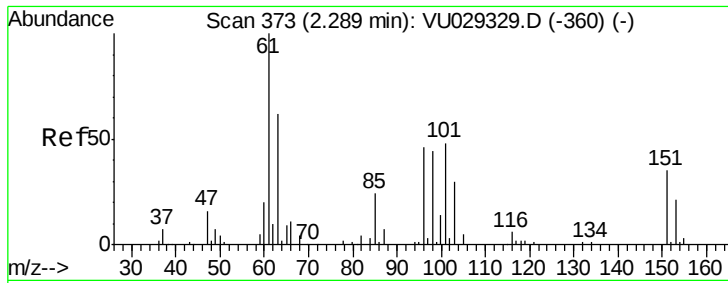
Tgt Ion: 64 Resp: 2803
Ion Ratio Lower Upper
64 100
66 22.8 22.7 42.3



#9
Trichlorofluoromethane
Concen: 0.511 ug/L
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU029327.D
Acq: 01 Feb 2019 11:18

Tgt Ion: 101 Resp: 5276
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.2





#10

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

Concen: 0.533 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampled :

VSTD0.543

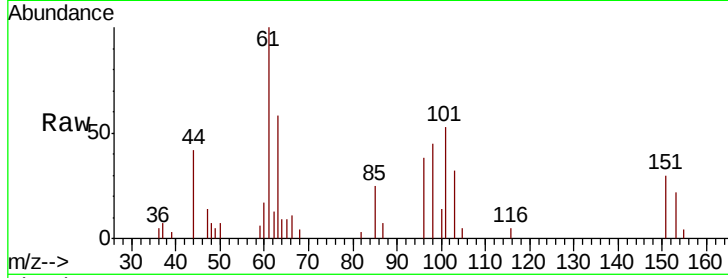
Tgt Ion: 101 Resp: 2600

Ion Ratio Lower Upper

101 100

85 50.0 39.6 59.4

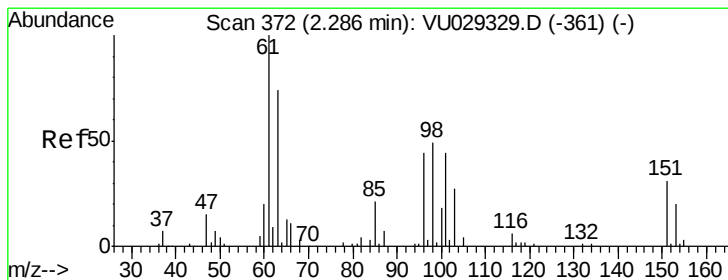
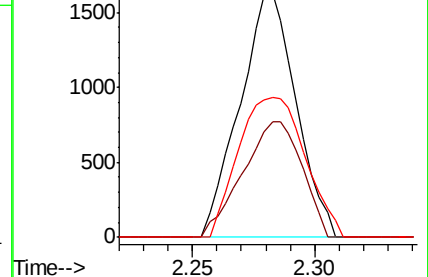
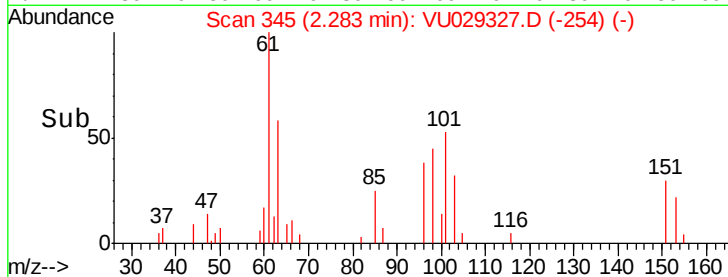
151 68.4 57.2 85.8



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: 0.495 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

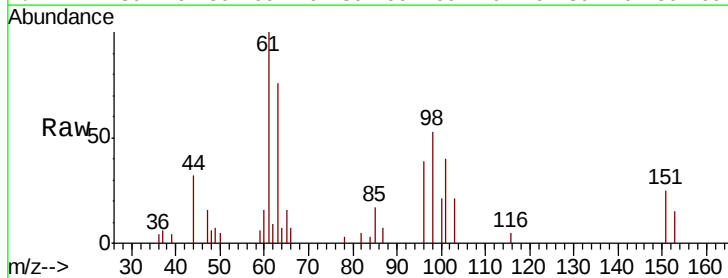
Tgt Ion: 96 Resp: 2055

Ion Ratio Lower Upper

96 100

61 257.0 159.5 296.1

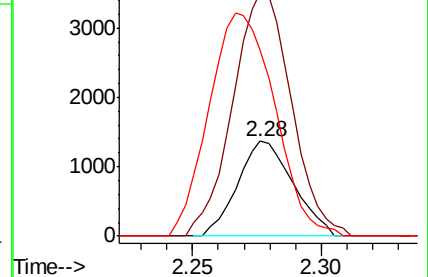
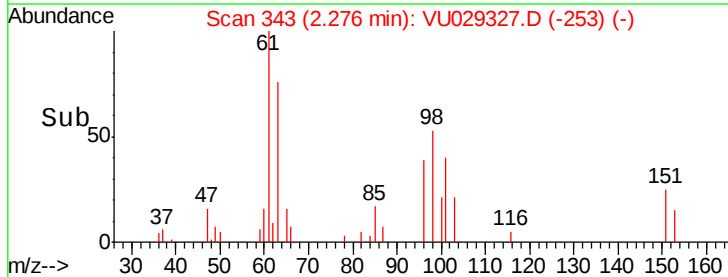
63 196.5 124.3 230.8

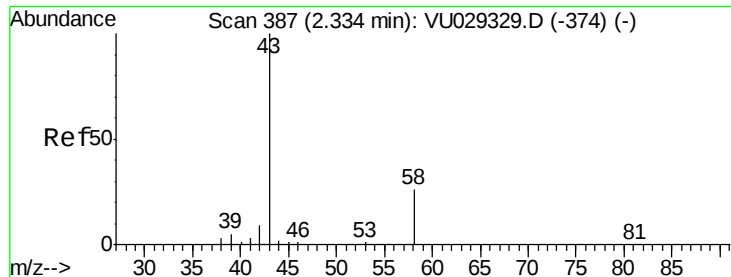


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.155 ug/L

RT: 2.34 min Scan# 362

Delta R.T. 0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

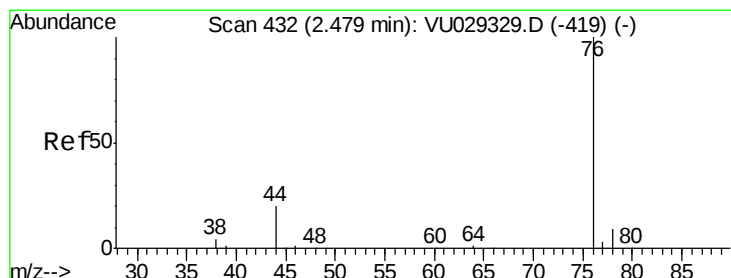
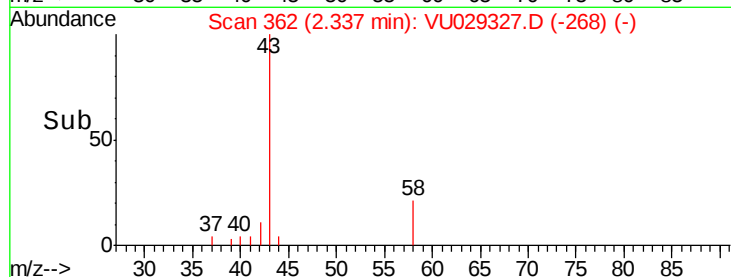
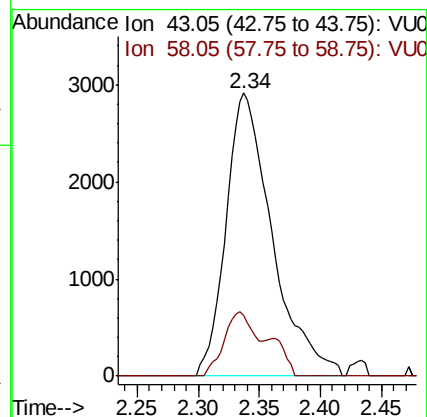
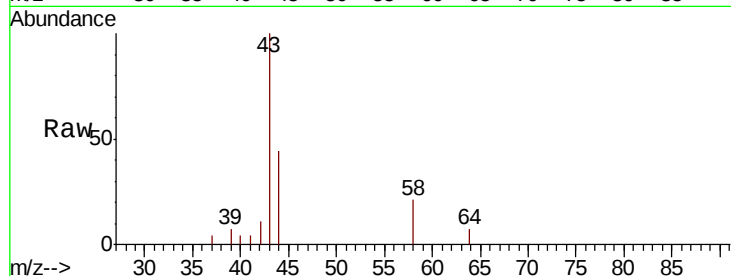
VSTD0.543

Tgt Ion: 43 Resp: 7693

Ion Ratio Lower Upper

43 100

58 15.6 0.0 50.0



#14

Carbon disulfide

Concen: 0.553 ug/L

RT: 2.47 min Scan# 403

Delta R.T. -0.01 min

Lab File: VU029327.D

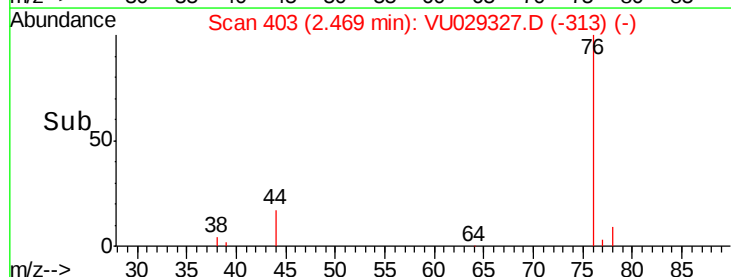
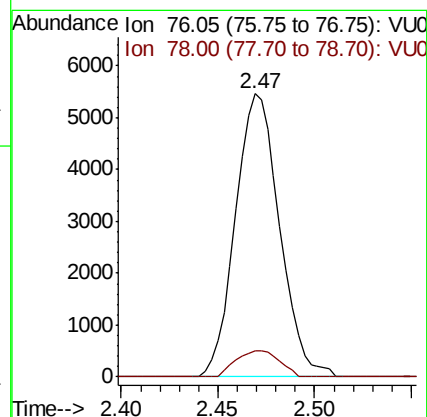
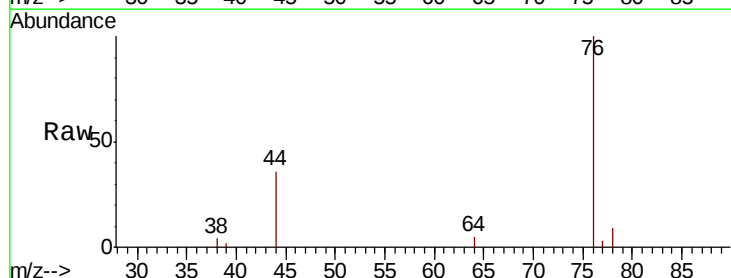
Acq: 01 Feb 2019 11:18

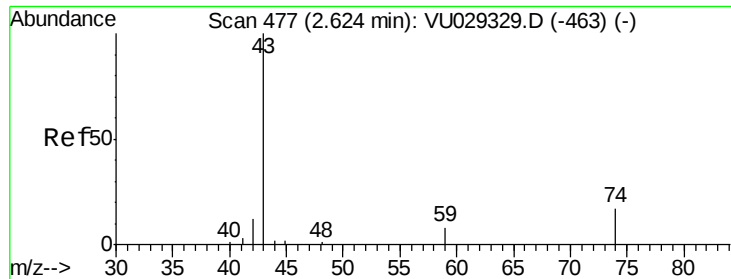
Tgt Ion: 76 Resp: 8649

Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2





#15

Methyl Acetate

Concen: 0.613 ug/L

RT: 2.62 min Scan# 449

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

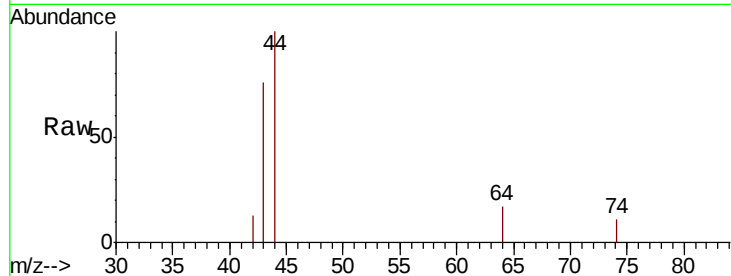
VSTD0.543

Tgt Ion: 43 Resp: 1805

Ion Ratio Lower Upper

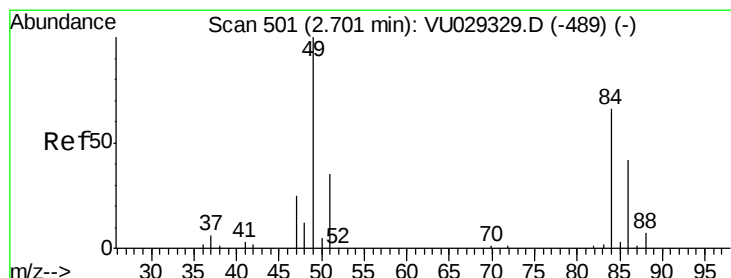
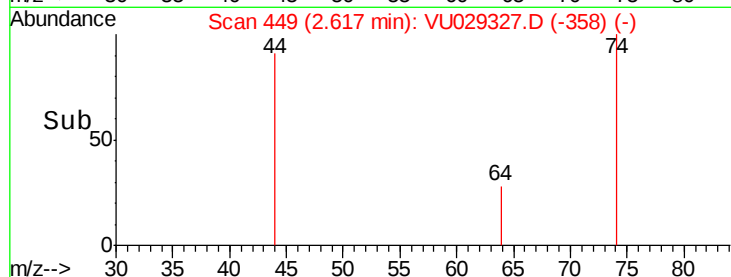
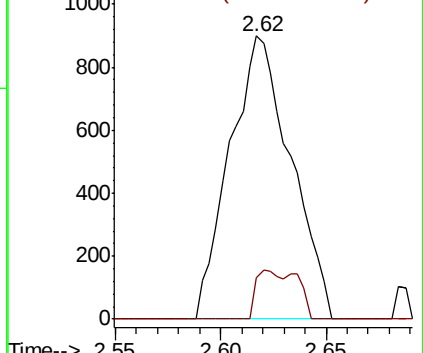
43 100

74 7.5 14.2 21.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.585 ug/L

RT: 2.69 min Scan# 473

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

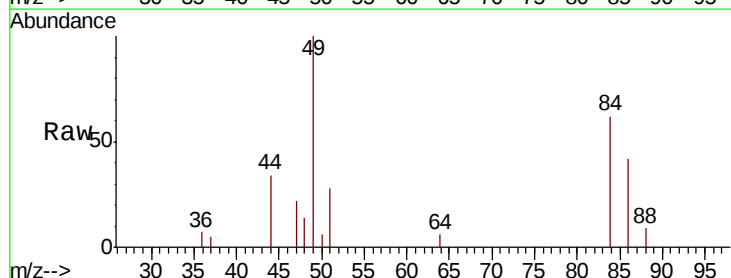
Tgt Ion: 84 Resp: 2928

Ion Ratio Lower Upper

84 100

86 67.3 44.3 82.3

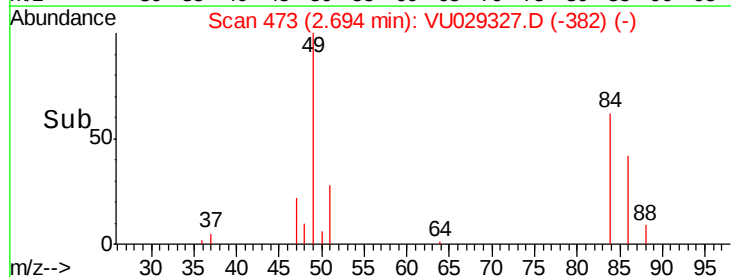
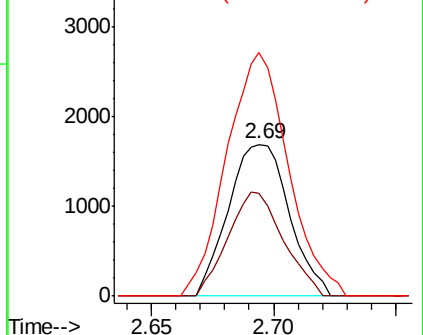
49 160.3 106.1 197.1

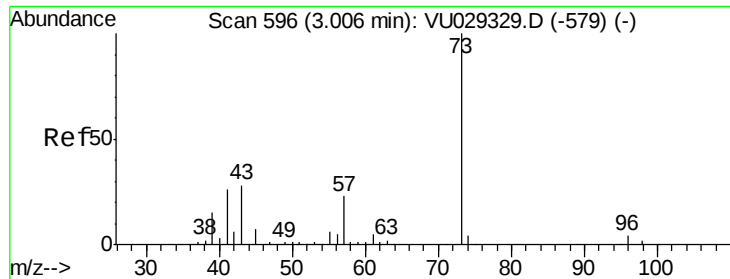


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 0.527 ug/L

RT: 3.00 min Scan# 567

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

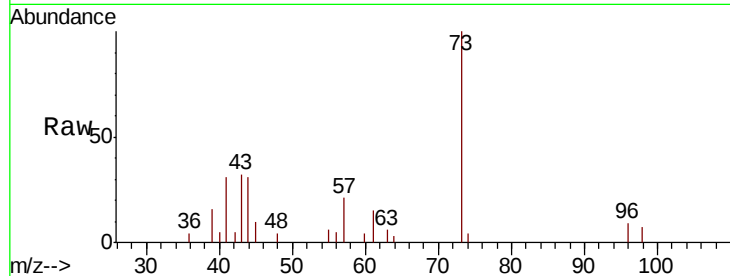
Tgt Ion: 73 Resp: 6973

Ion Ratio Lower Upper

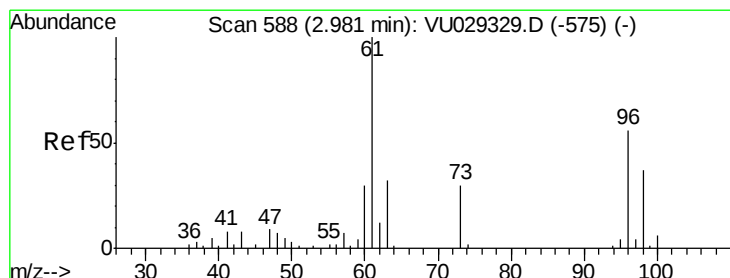
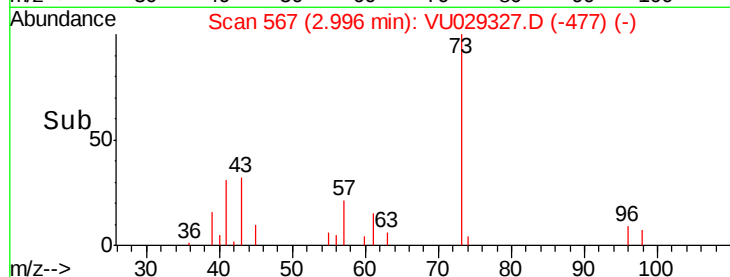
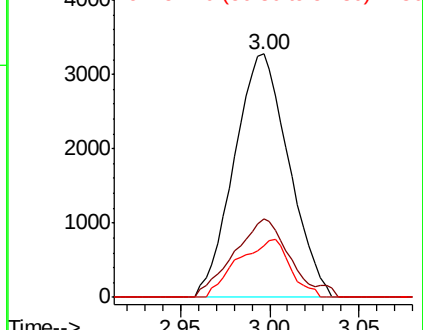
73 100

43 33.0 21.9 32.9#

57 22.7 18.2 27.2



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



#18

trans-1,2-Dichloroethene

Concen: 0.571 ug/L

RT: 2.97 min Scan# 560

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

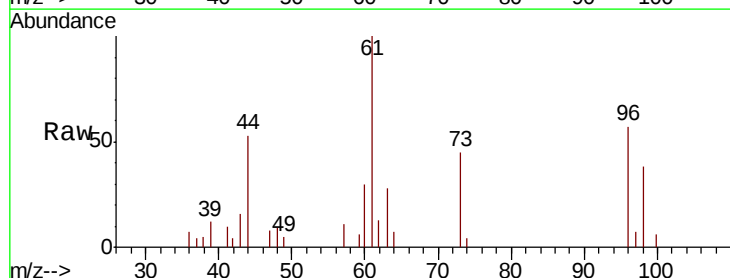
Tgt Ion: 96 Resp: 2651

Ion Ratio Lower Upper

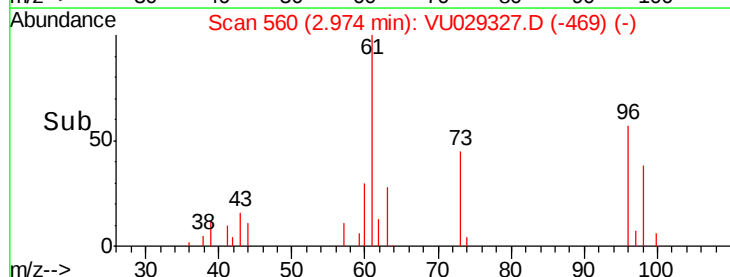
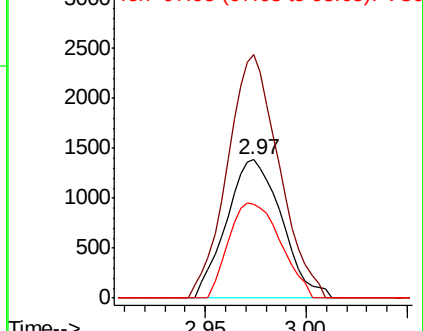
96 100

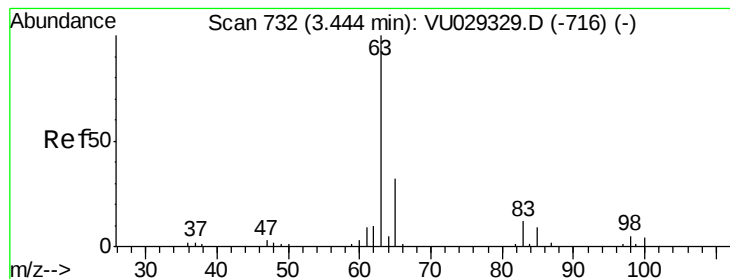
61 176.0 124.3 230.9

98 67.7 45.9 85.3



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





#19

1,1-Dichloroethane

Concen: 0.564 ug/L

RT: 3.43 min Scan# 703

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

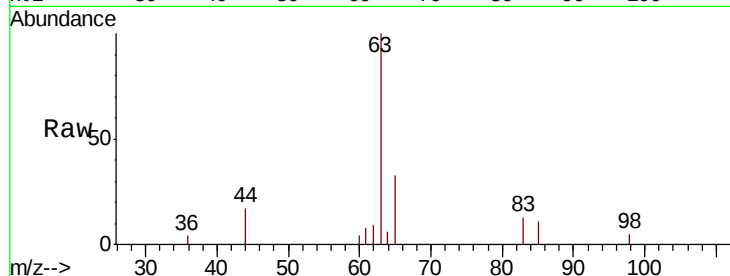
Tgt Ion: 63 Resp: 5646

Ion Ratio Lower Upper

63 100

65 33.4 22.5 41.7

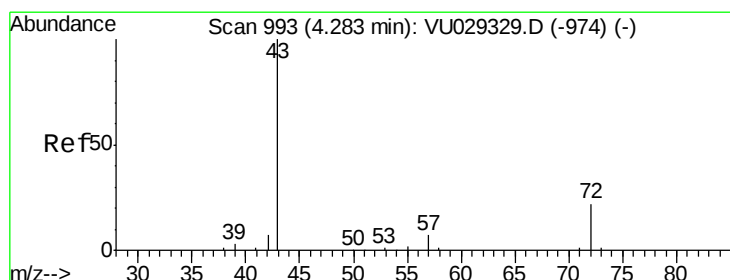
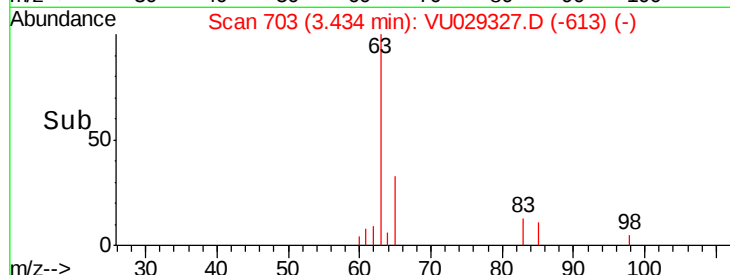
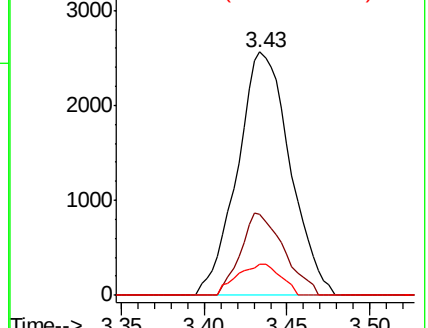
83 12.8 8.7 16.1



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 5.142 ug/L

RT: 4.29 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU029327.D

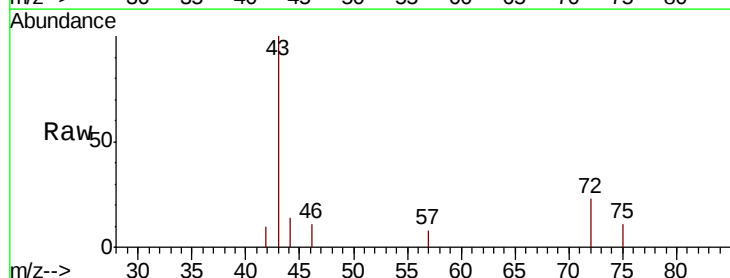
Acq: 01 Feb 2019 11:18

Tgt Ion: 43 Resp: 7036

Ion Ratio Lower Upper

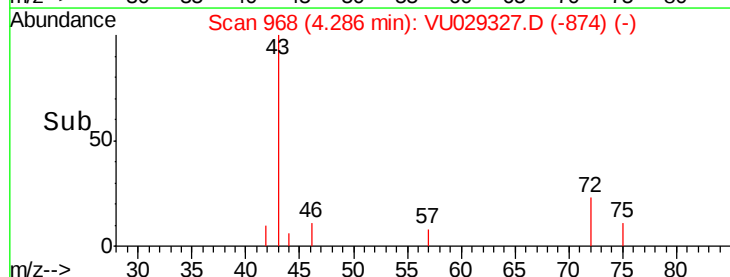
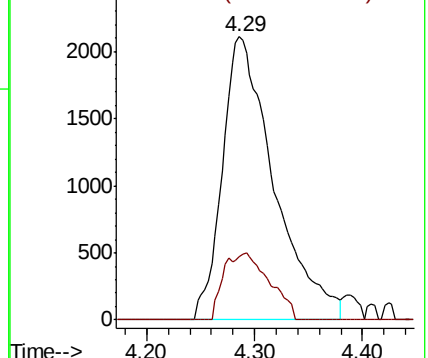
43 100

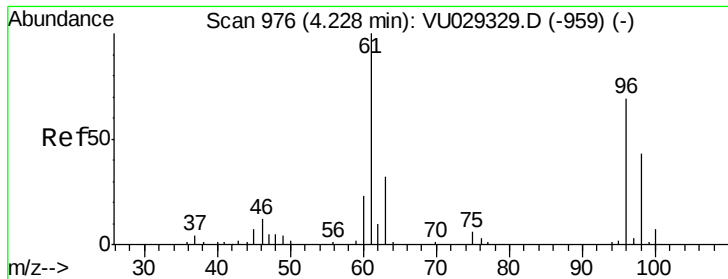
72 20.8 11.8 35.3



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



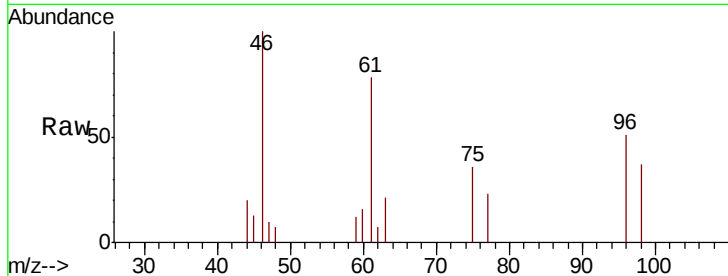


#22

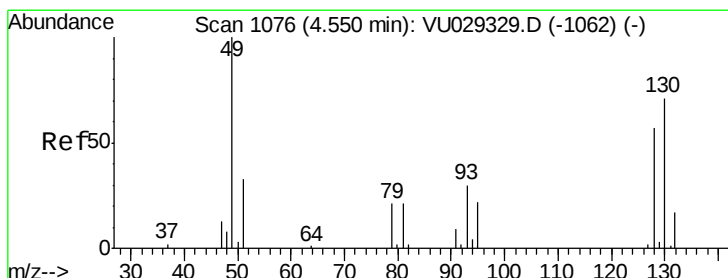
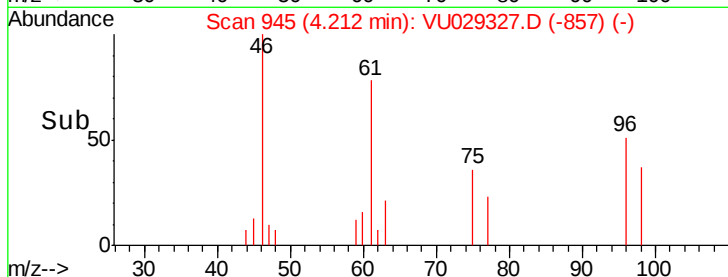
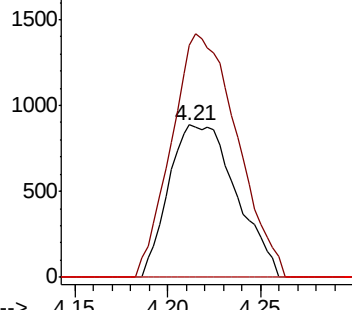
cis-1,2-Dichloroethene
 Concen: 0.497 ug/L
 RT: 4.21 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

Tgt Ion: 96 Resp: 2232
 Ion Ratio Lower Upper
 96 100
 61 152.3 101.4 188.2
 68 0.0 0.0 0.0



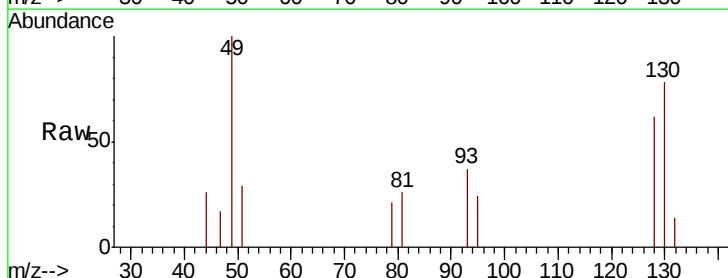
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



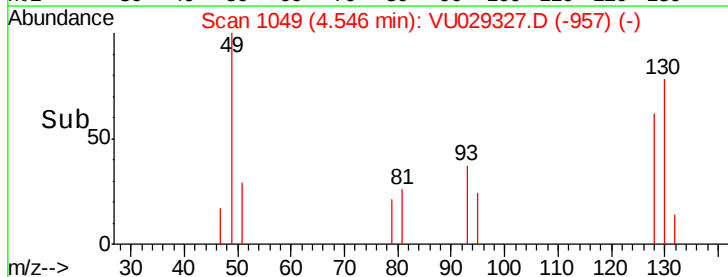
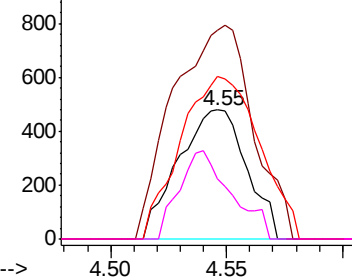
#23

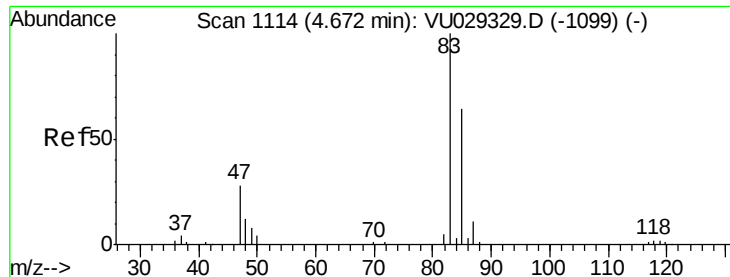
Bromochloromethane
 Concen: 0.487 ug/L
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Tgt Ion: 128 Resp: 979
 Ion Ratio Lower Upper
 128 100
 49 162.2 125.2 232.6
 130 126.1 87.8 163.0
 51 46.6 46.4 69.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 0.514 ug/L

RT: 4.67 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

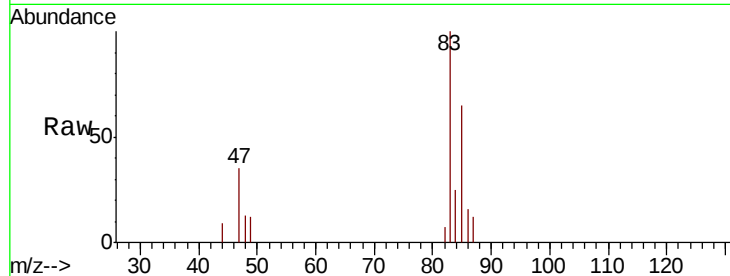
VSTD0.543

Tgt Ion: 83 Resp: 4867

Ion Ratio Lower Upper

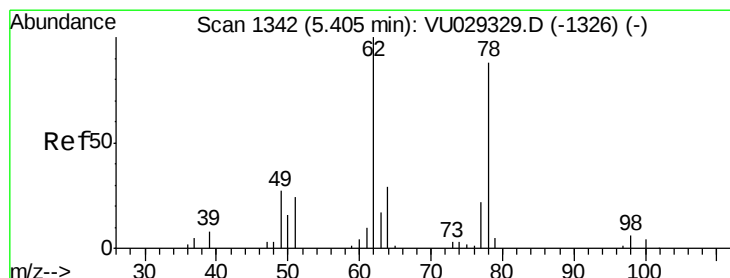
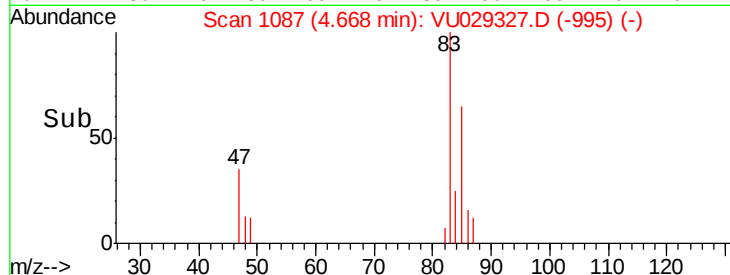
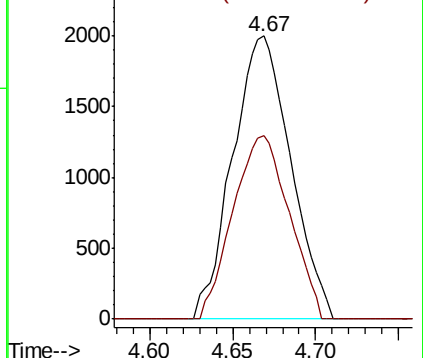
83 100

85 64.9 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 0.508 ug/L

RT: 5.40 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VU029327.D

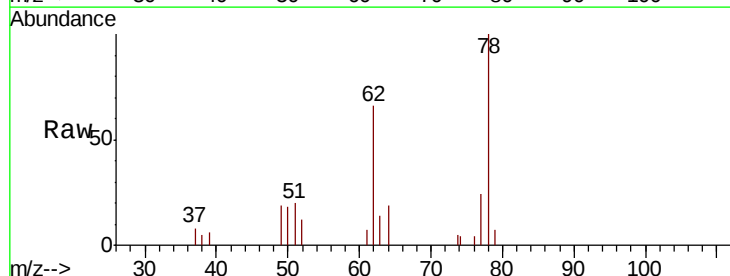
Acq: 01 Feb 2019 11:18

Tgt Ion: 62 Resp: 3659

Ion Ratio Lower Upper

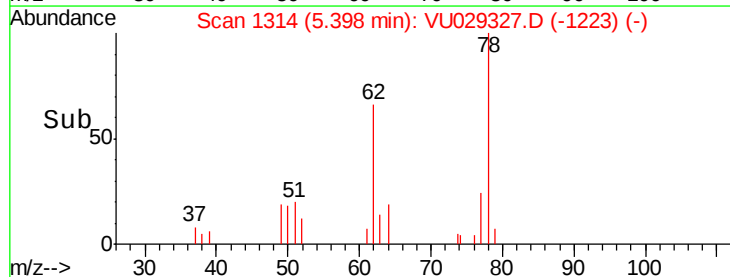
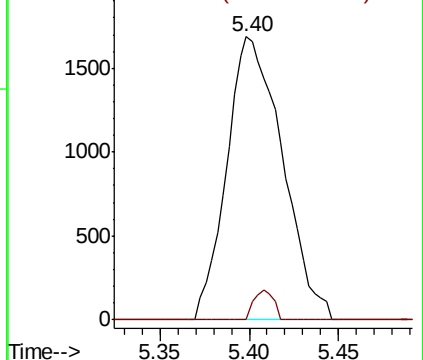
62 100

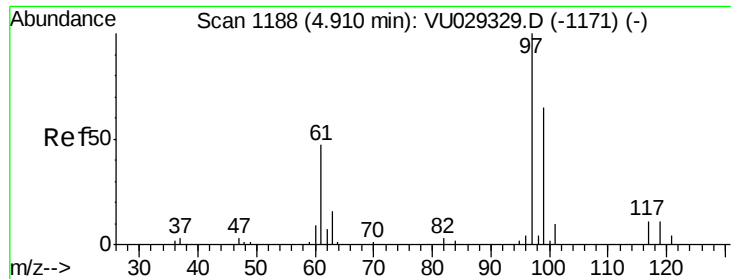
98 0.0 4.9 7.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

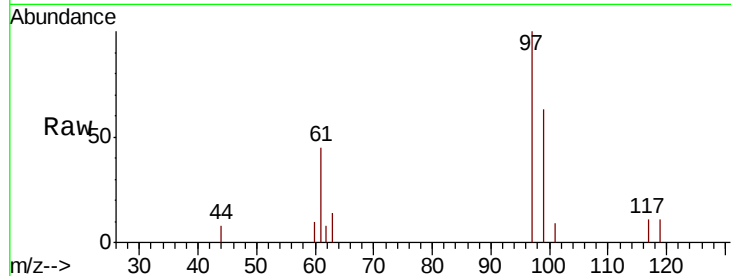




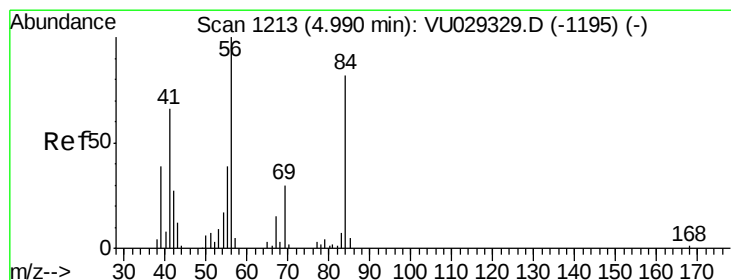
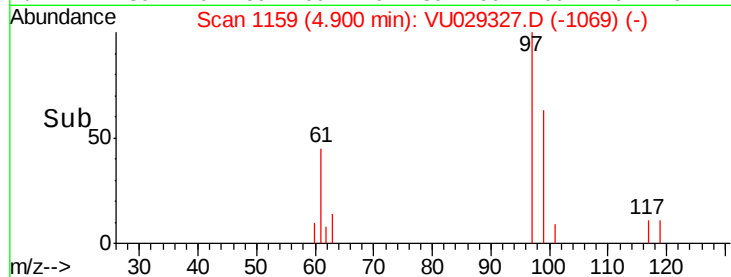
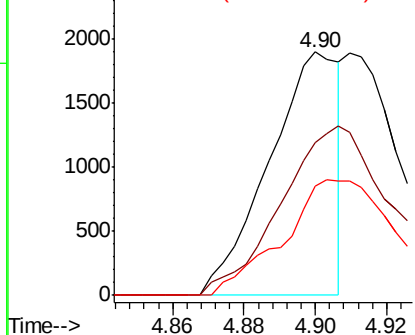
#29
 1,1,1-Trichloroethane
 Concen: 0.300 ug/L
 RT: 4.90 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

Tgt Ion: 97 Resp: 2578
 Ion Ratio Lower Upper
 97 100
 99 109.8 51.6 77.4#
 61 77.0 37.8 56.8#

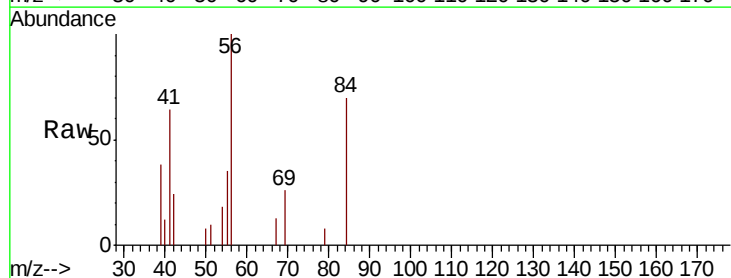


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

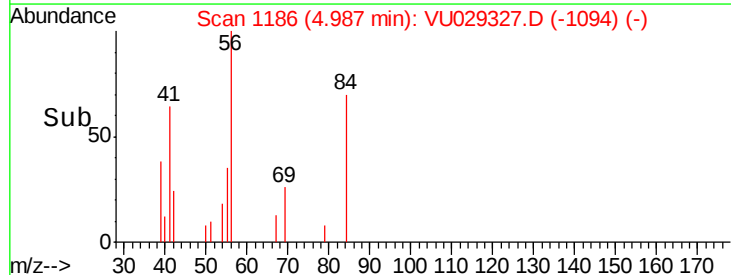
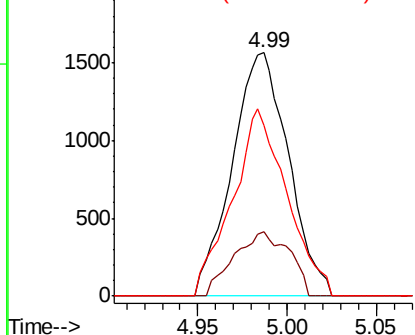


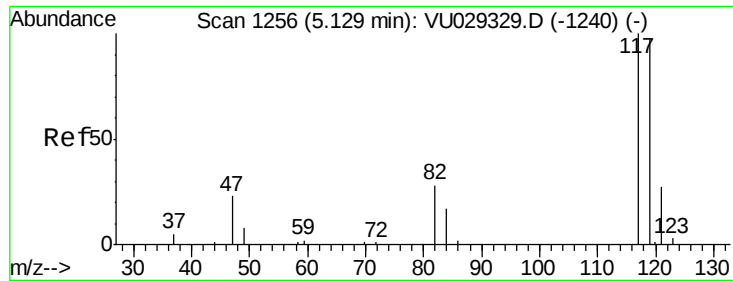
#30
 Cyclohexane
 Concen: 0.508 ug/L
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Tgt Ion: 56 Resp: 3442
 Ion Ratio Lower Upper
 56 100
 69 25.9 24.1 36.1
 84 74.5 66.4 99.6



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





#31

Carbon tetrachloride

Concen: 0.529 ug/L

RT: 5.12 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

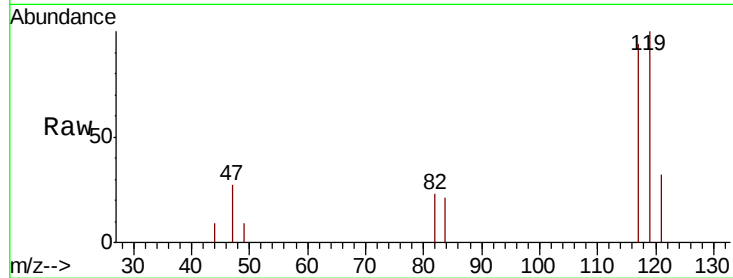
VSTD0.543

Tgt Ion:117 Resp: 3993

Ion Ratio Lower Upper

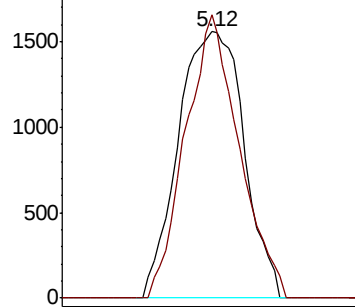
117 100

119 87.1 77.8 116.8

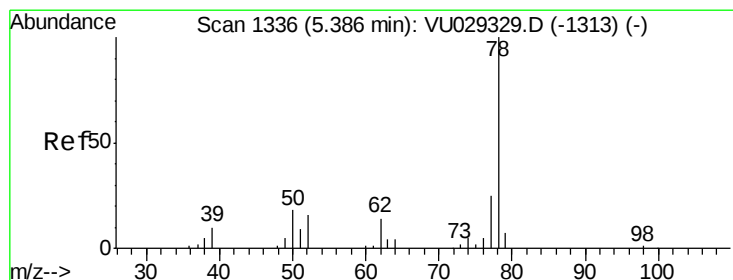
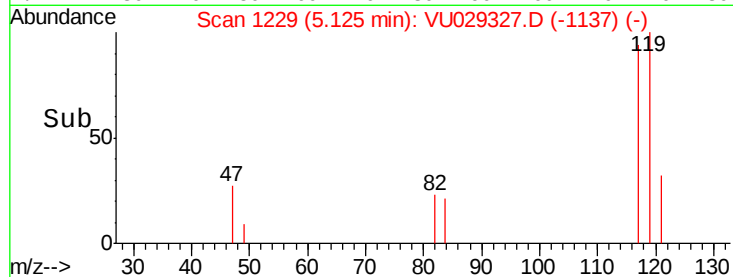


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time--> 5.05 5.10 5.15



#33

Benzene

Concen: 0.510 ug/L

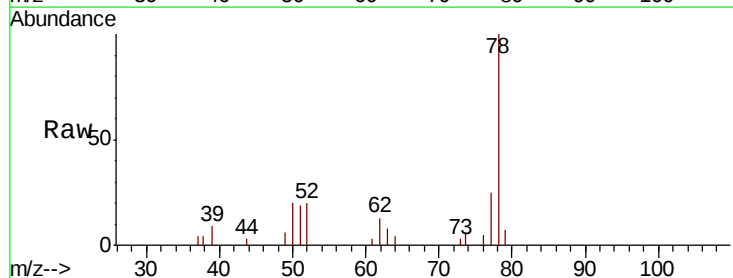
RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

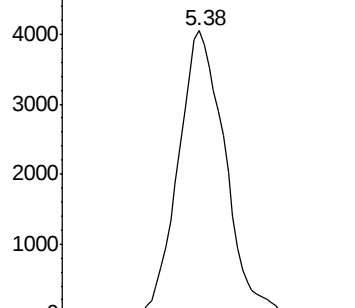
Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

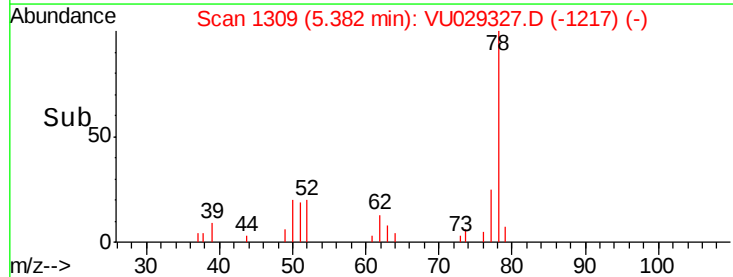
Tgt Ion: 78 Resp: 8691

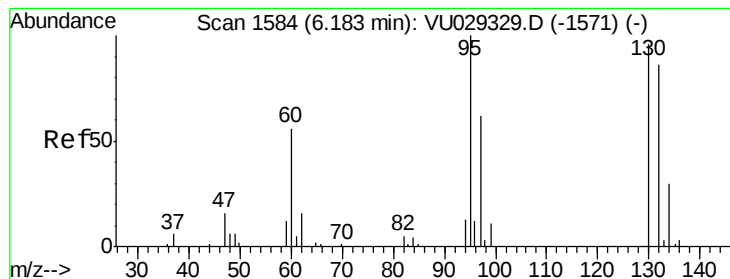


Abundance Ion 78.10 (77.80 to 78.80): VU0



Time--> 5.30 5.35 5.40 5.45





#34

Trichloroethene

Concen: 0.517 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

Tgt Ion: 95 Resp: 2388

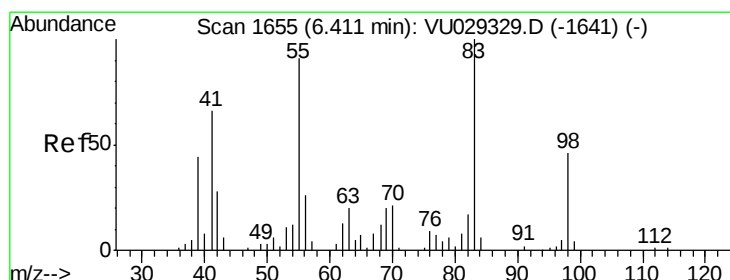
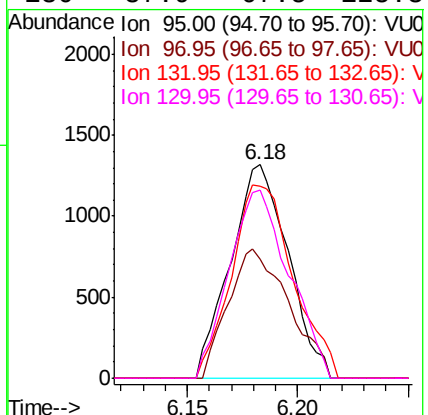
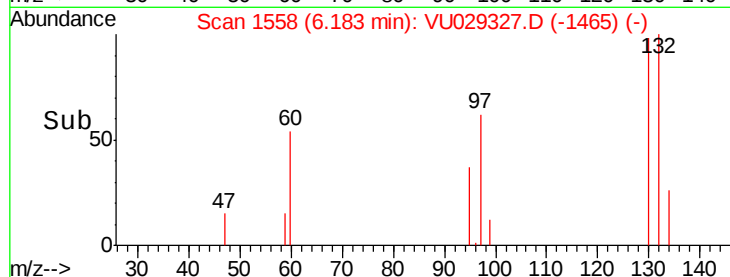
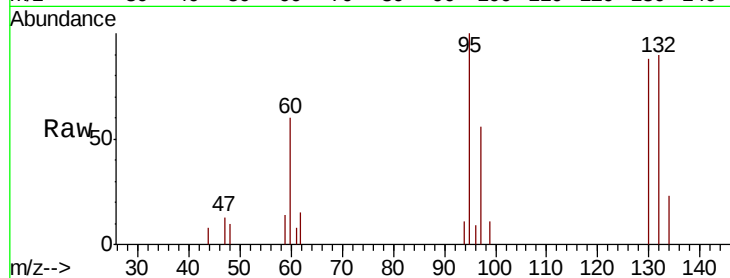
Ion Ratio Lower Upper

95 100

97 55.8 43.3 80.3

132 90.1 60.4 112.2

130 87.9 67.5 125.3



#35

Methylcyclohexane

Concen: 0.485 ug/L

RT: 6.41 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

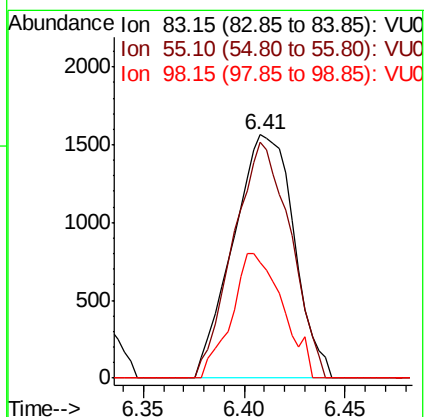
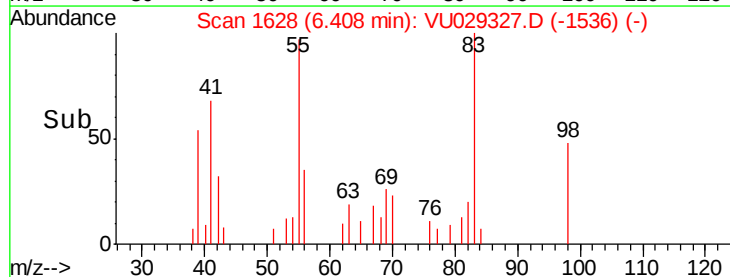
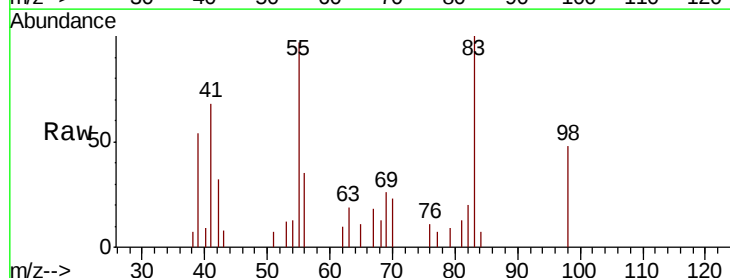
Tgt Ion: 83 Resp: 3287

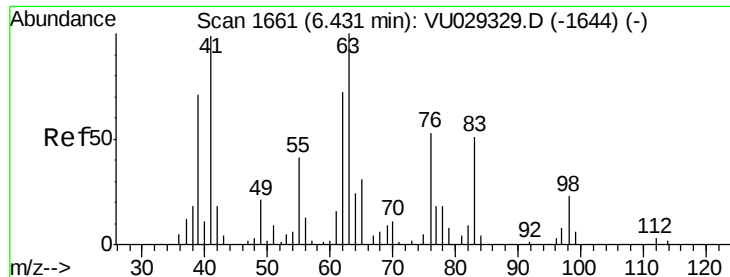
Ion Ratio Lower Upper

83 100

55 91.2 72.2 108.4

98 43.0 36.6 54.8





#37

1,2-Dichloropropane

Concen: 0.511 ug/L

RT: 6.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

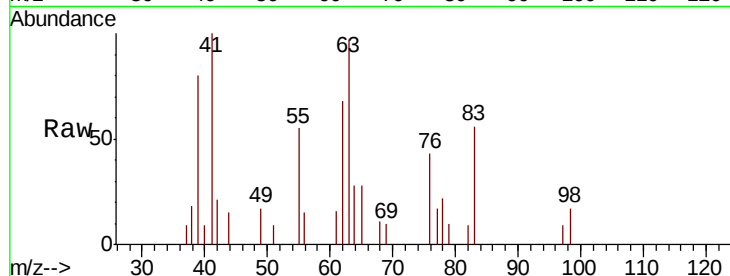
VSTD0.543

Tgt Ion: 63 Resp: 2354

Ion Ratio Lower Upper

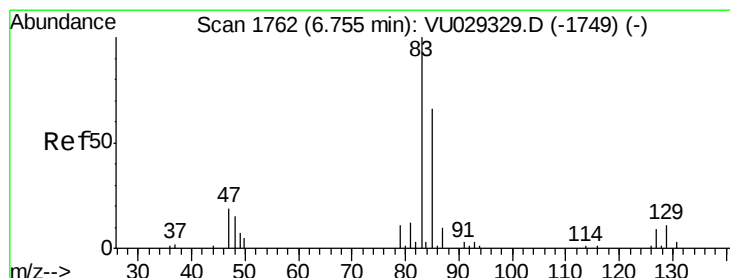
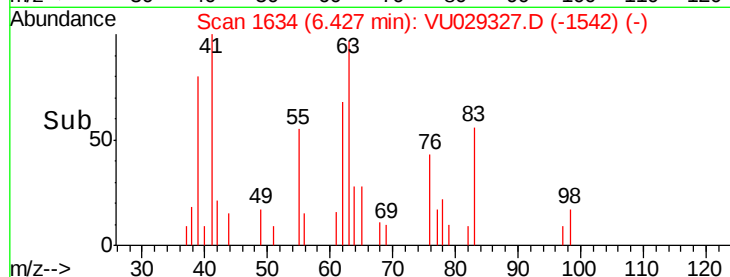
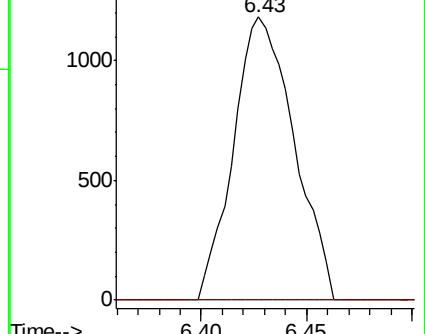
63 100

112 0.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 0.508 ug/L

RT: 6.75 min Scan# 1734

Delta R.T. -0.01 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

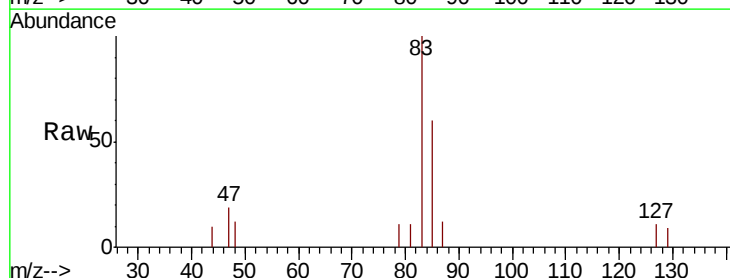
Tgt Ion: 83 Resp: 3387

Ion Ratio Lower Upper

83 100

85 59.7 46.2 85.8

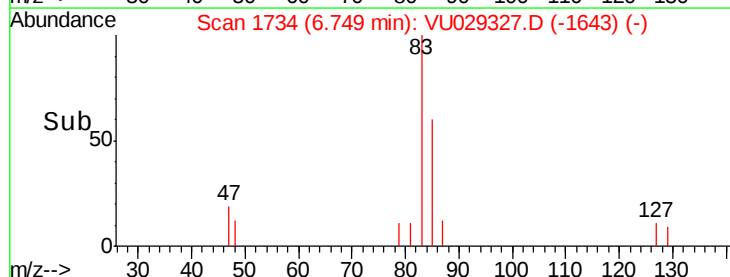
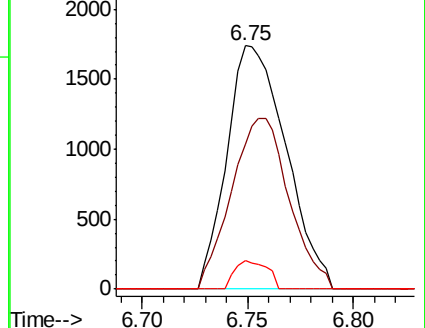
127 11.5 7.3 10.9#

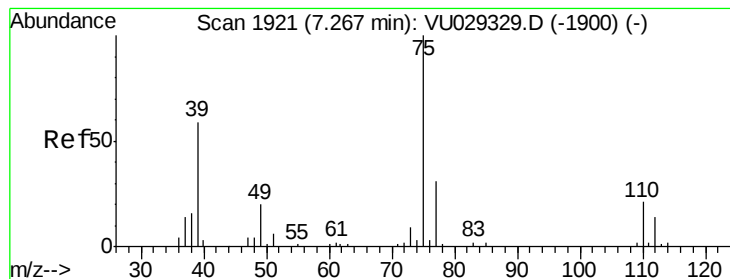


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



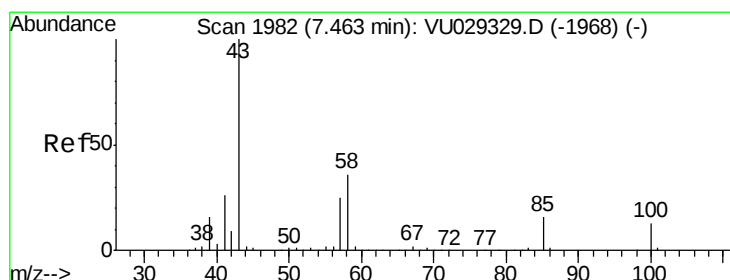
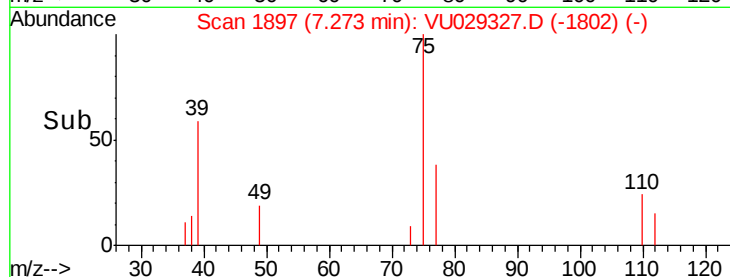
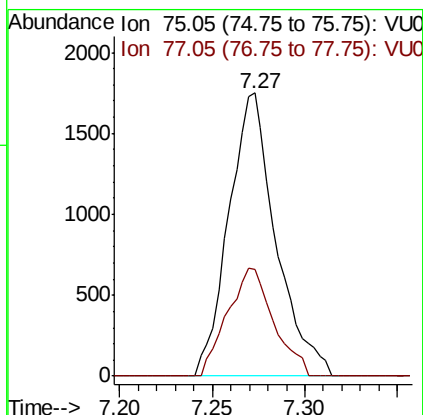
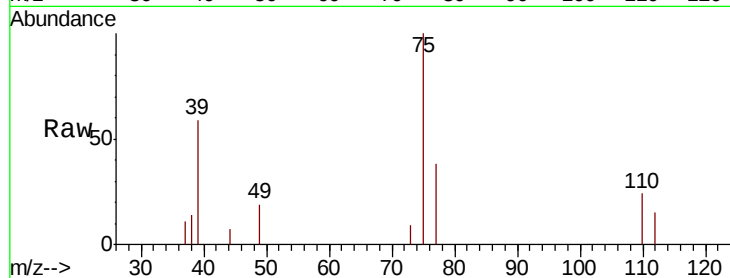


#39

cis-1,3-Dichloropropene
 Concen: 0.459 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.01 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

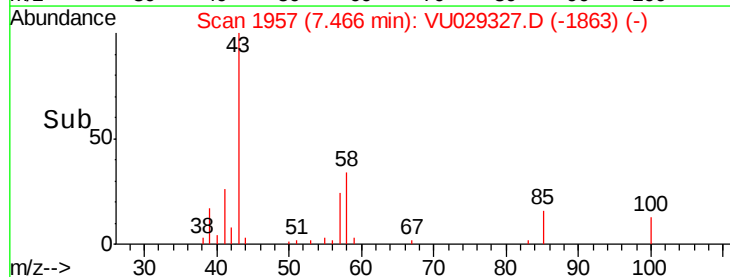
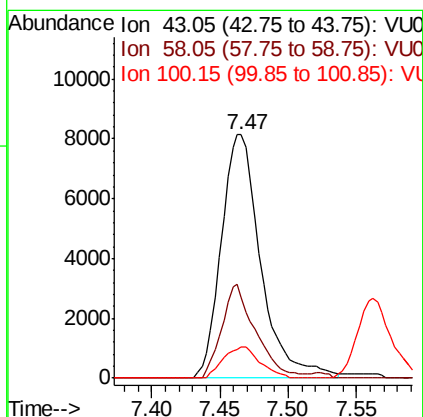
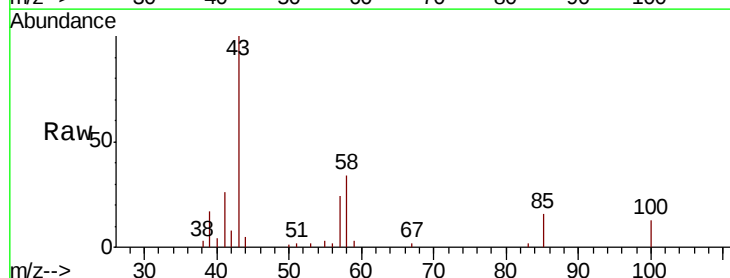
Tgt Ion: 75 Resp: 3082
 Ion Ratio Lower Upper
 75 100
 77 37.8 22.0 40.8

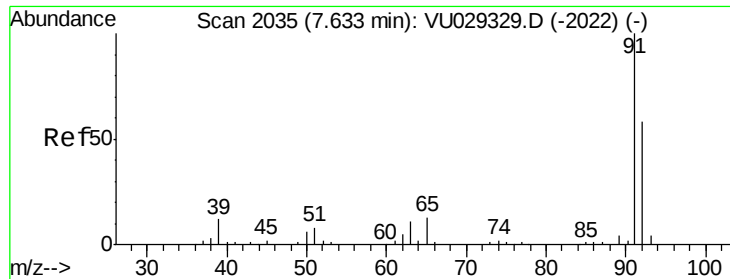


#40

4-Methyl-2-pentanone
 Concen: 5.122 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Tgt Ion: 43 Resp: 16321
 Ion Ratio Lower Upper
 43 100
 58 33.1 27.8 41.8
 100 11.9 10.1 15.1





#42

Toluene

Concen: 0.474 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

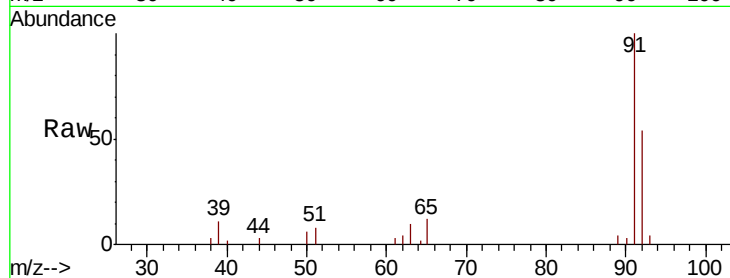
VSTD0.543

Tgt Ion: 91 Resp: 8530

Ion Ratio Lower Upper

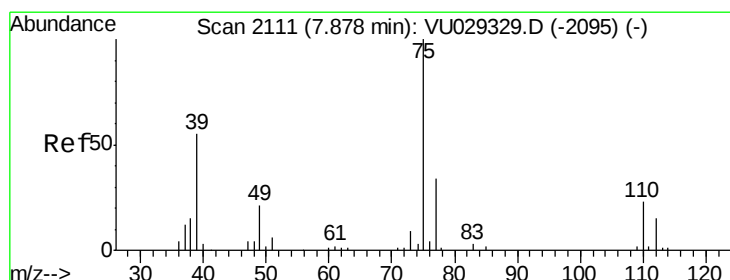
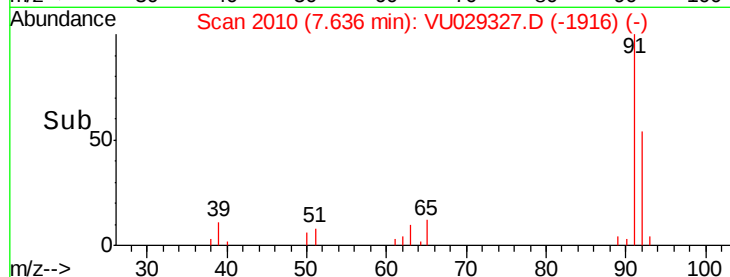
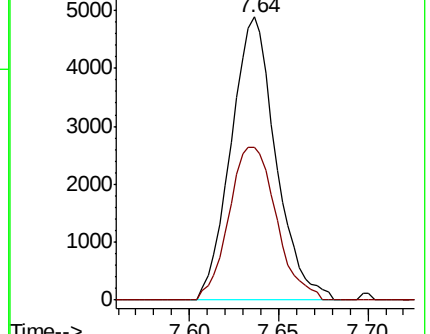
91 100

92 53.9 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.468 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.01 min

Lab File: VU029327.D

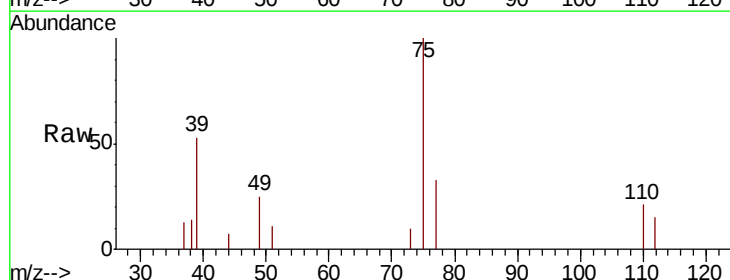
Acq: 01 Feb 2019 11:18

Tgt Ion: 75 Resp: 2846

Ion Ratio Lower Upper

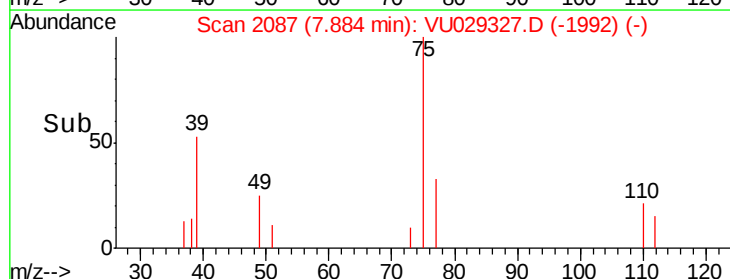
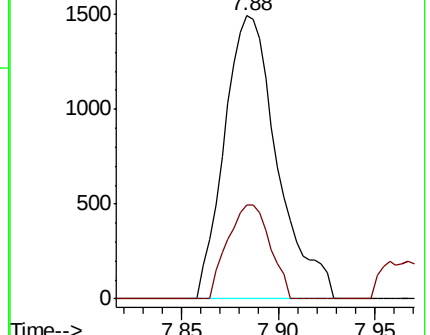
75 100

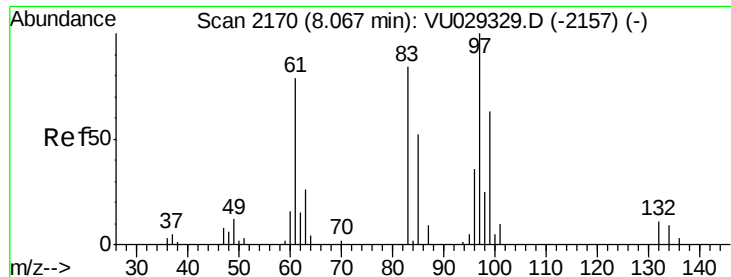
77 33.2 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

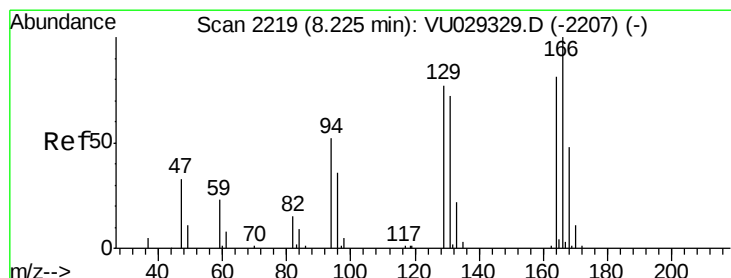
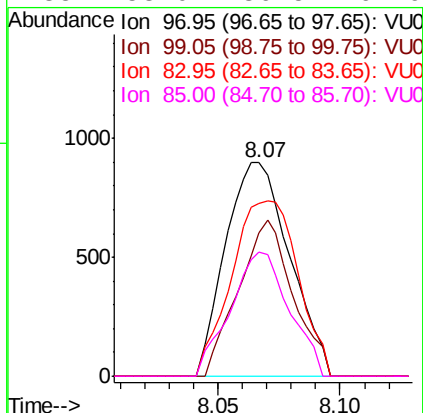
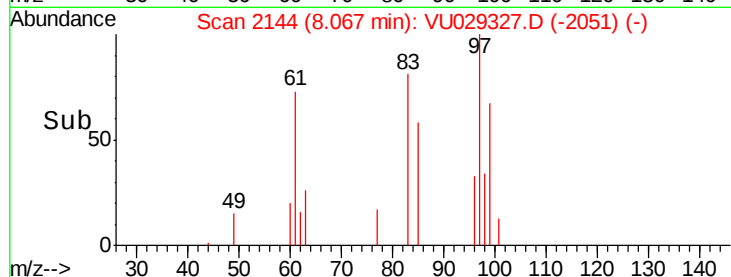
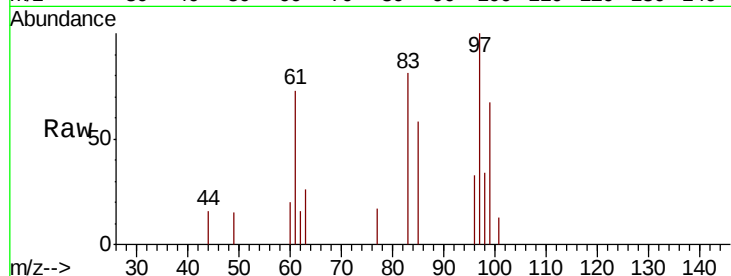




#45
 1,1,2-Trichloroethane
 Concen: 0.513 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

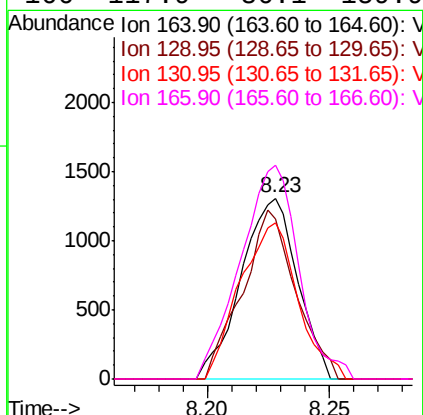
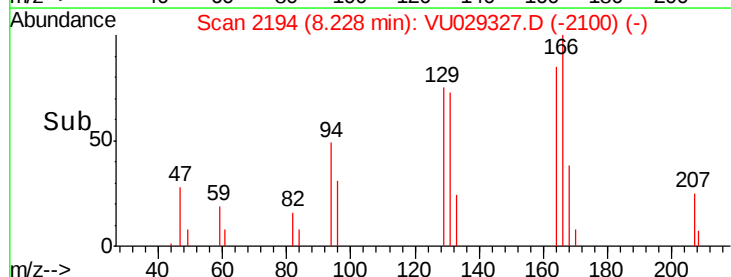
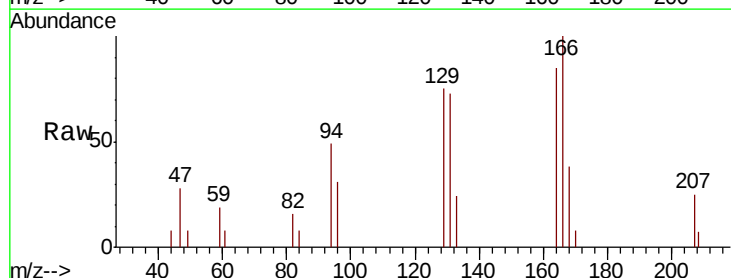
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

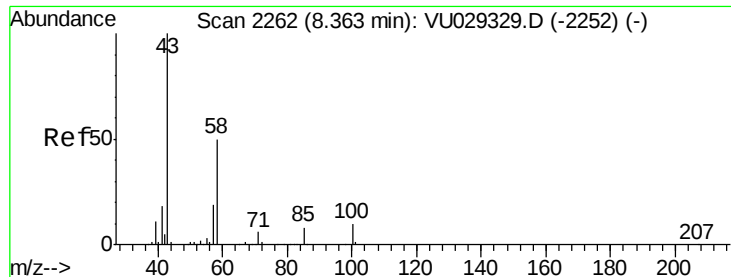
Tgt Ion:	97	Resp:	1640
Ion	Ratio	Lower	Upper
97	100		
99	67.4	44.2	82.2
83	80.8	59.1	109.7
85	58.0	36.5	67.9



#47
 Tetrachloroethene
 Concen: 0.547 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Tgt Ion:	164	Resp:	2093
Ion	Ratio	Lower	Upper
164	100		
129	88.6	66.1	122.7
131	86.4	62.4	115.8
166	117.9	86.1	159.9

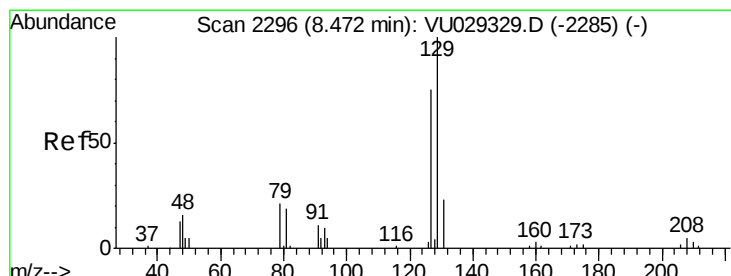
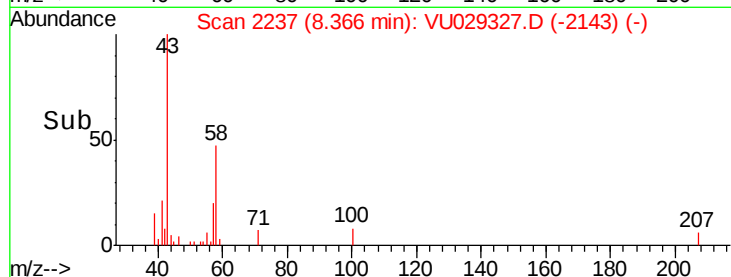
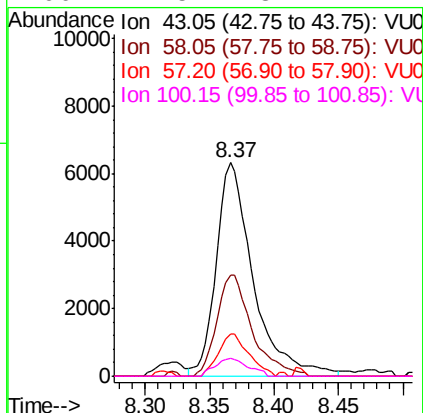
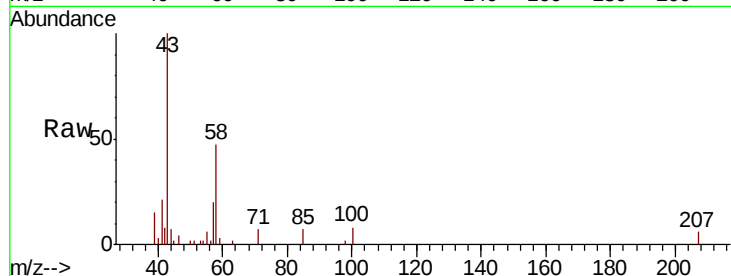




#48
2-Hexanone
Concen: 5.282 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU029327.D
Acq: 01 Feb 2019 11:18

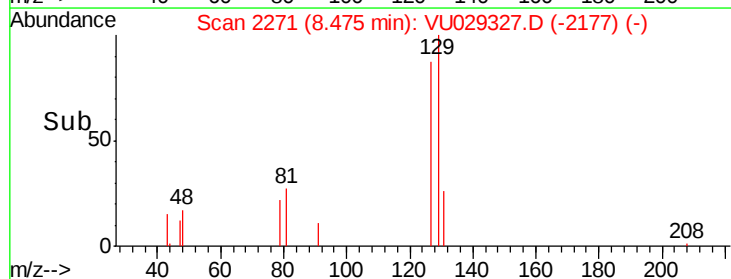
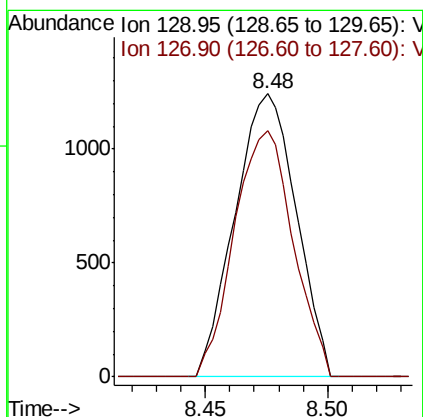
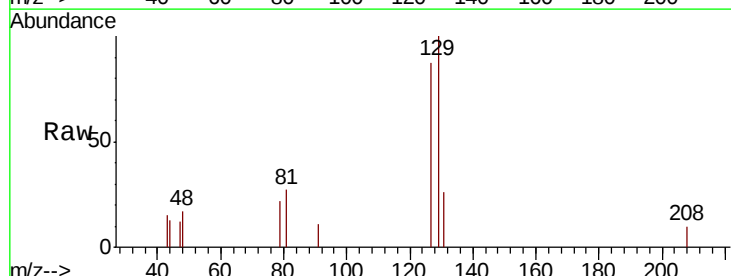
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

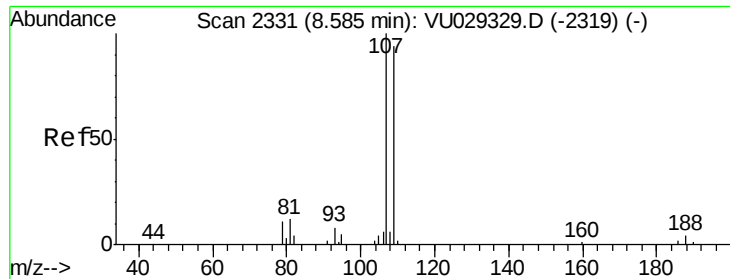
Tgt Ion: 43 Resp: 12611
Ion Ratio Lower Upper
43 100
58 45.3 39.4 59.0
57 16.2 15.1 22.7
100 7.5 8.2 12.4#



#49
Dibromochloromethane
Concen: 0.505 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029327.D
Acq: 01 Feb 2019 11:18

Tgt Ion: 129 Resp: 2162
Ion Ratio Lower Upper
129 100
127 87.0 52.8 98.0

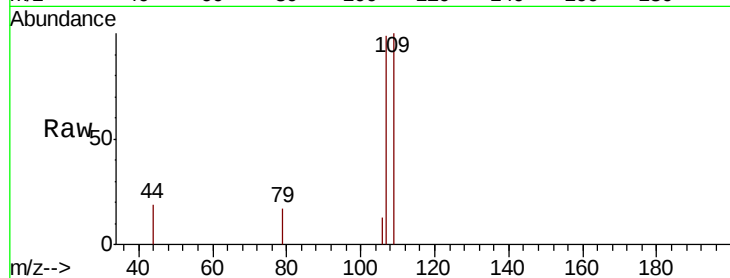




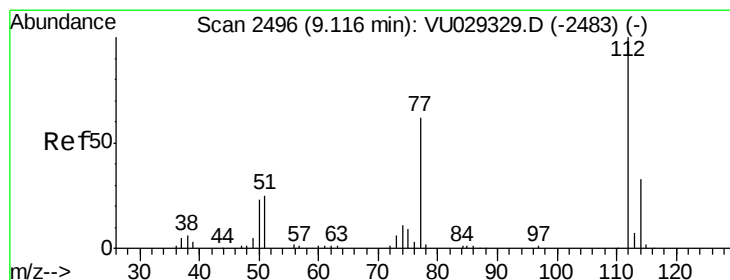
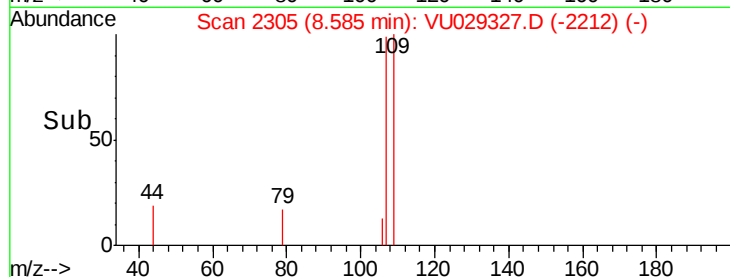
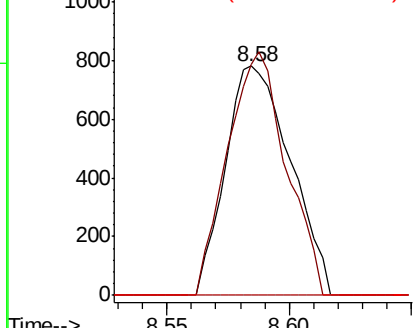
#50
 1,2-Dibromoethane
 Concen: 0.477 ug/L
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

Tgt Ion:107 Resp: 1444
 Ion Ratio Lower Upper
 107 100
 109 100.6 65.6 121.8
 188 0.0 2.8 4.2#

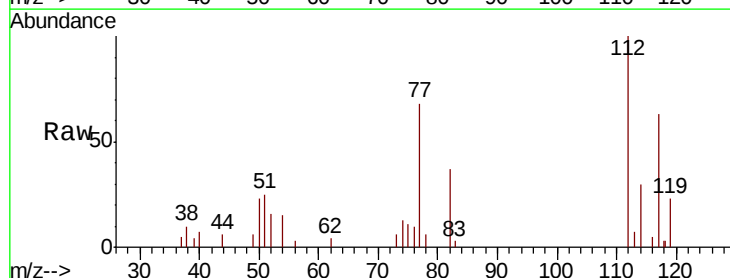


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

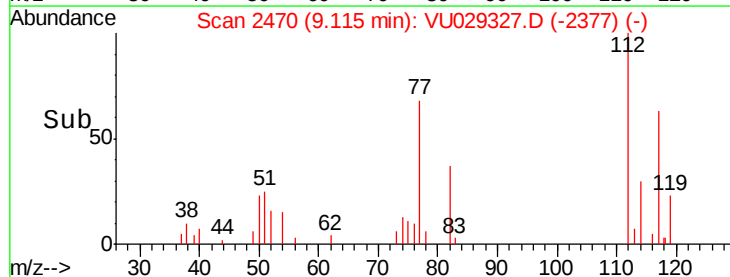
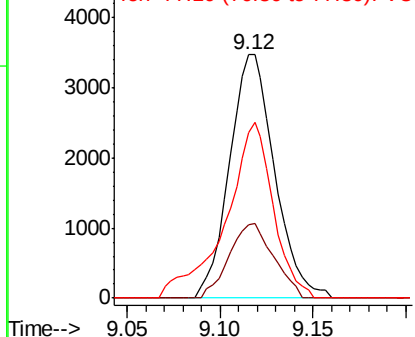


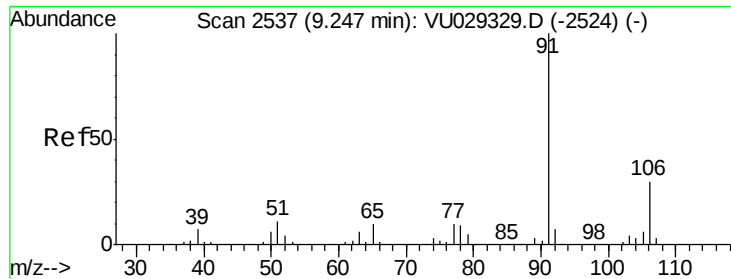
#51
 Chlorobenzene
 Concen: 0.502 ug/L
 RT: 9.12 min Scan# 2470
 Delta R.T. -0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Tgt Ion:112 Resp: 5862
 Ion Ratio Lower Upper
 112 100
 114 30.3 22.8 42.4
 77 68.2 49.9 74.9



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





#52

Ethylbenzene

Concen: 0.463 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

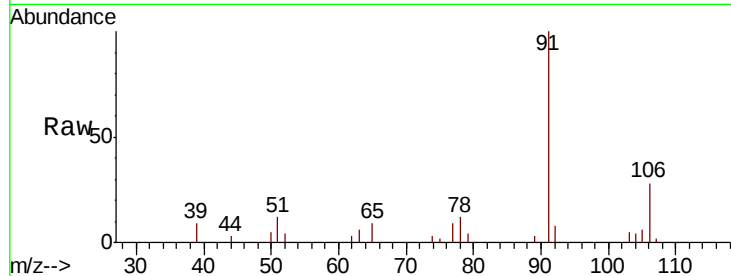
VSTD0.543

Tgt Ion: 91 Resp: 9247

Ion Ratio Lower Upper

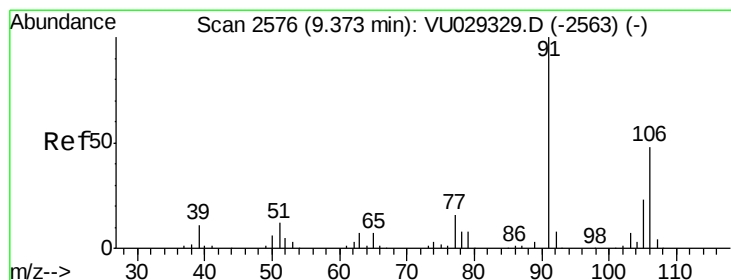
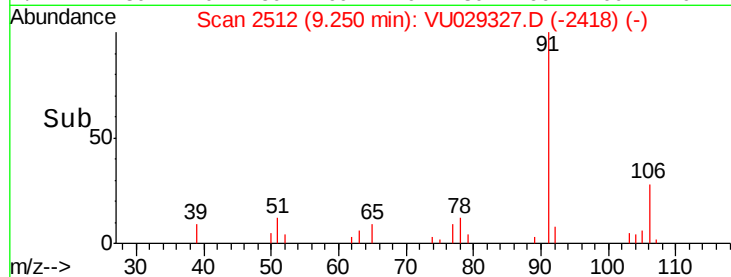
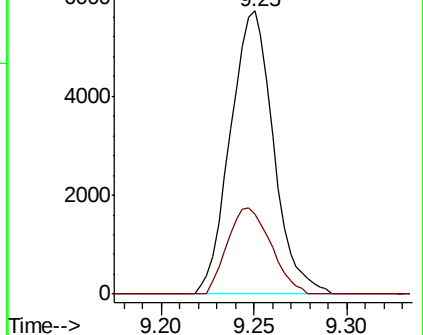
91 100

106 28.2 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU029327.D (-2512) (-)

Ion 106.15 (105.85 to 106.85): VU029327.D (-2512) (-)



#53

m,p-xylene

Concen: 0.470 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU029327.D

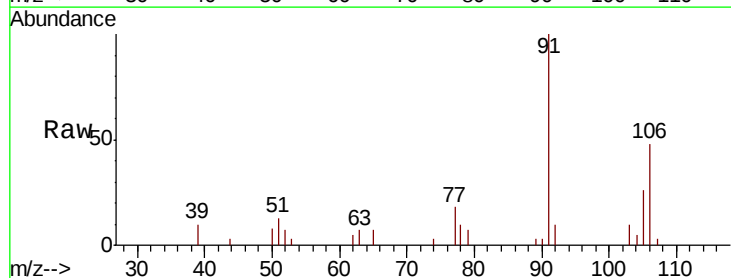
Acq: 01 Feb 2019 11:18

Tgt Ion: 106 Resp: 3529

Ion Ratio Lower Upper

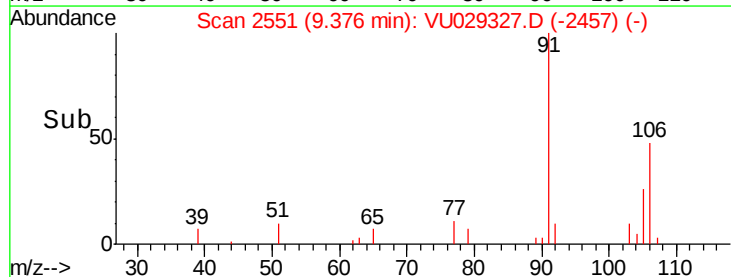
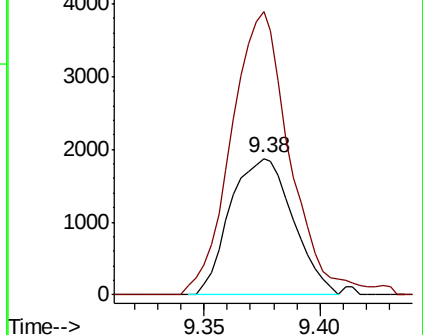
106 100

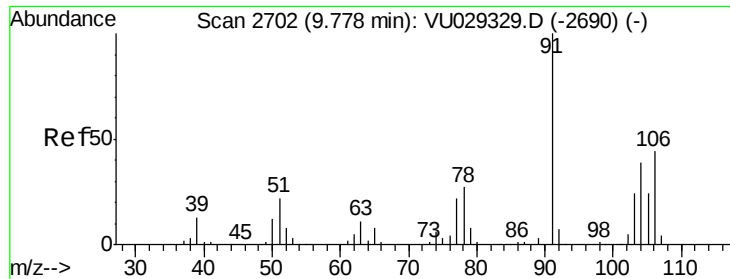
91 207.9 145.9 270.9



Abundance Ion 106.15 (105.85 to 106.85): VU029327.D (-2551) (-)

Ion 91.15 (90.85 to 91.85): VU029327.D (-2551) (-)

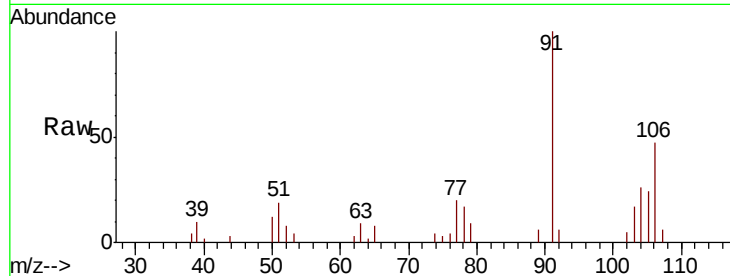




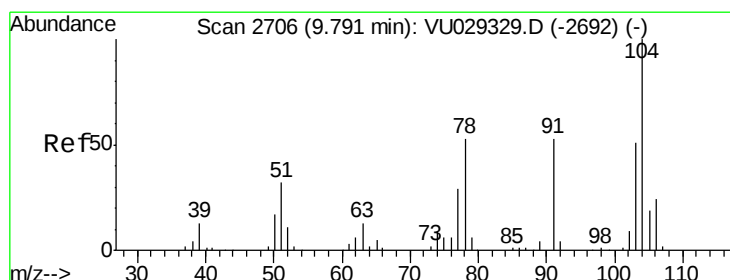
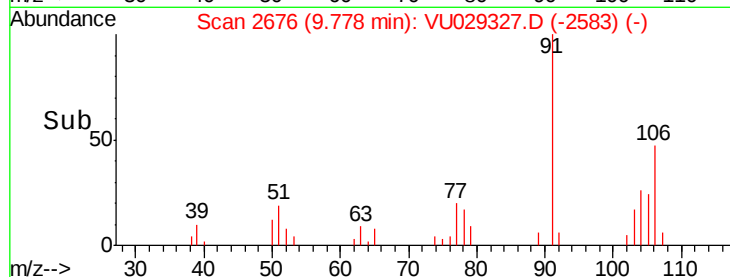
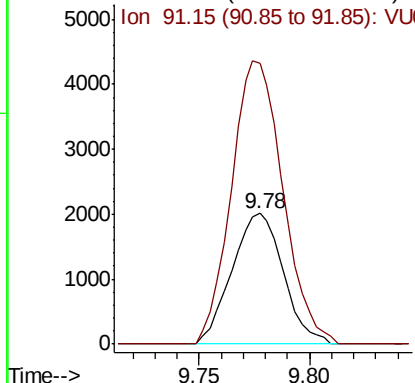
#54
o-xylene
Concen: 0.453 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029327.D
Acq: 01 Feb 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

Tgt Ion:106 Resp: 3260
Ion Ratio Lower Upper
106 100
91 214.8 160.9 298.9

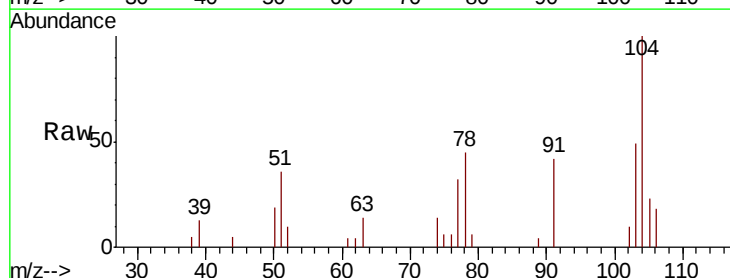


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

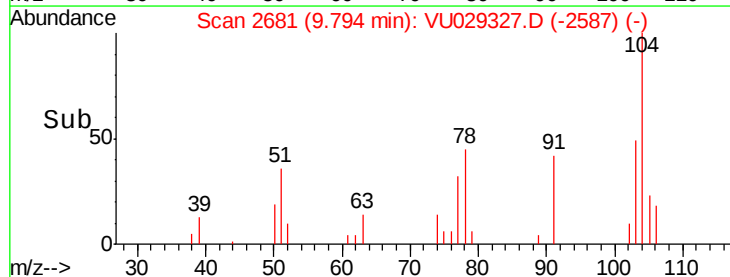
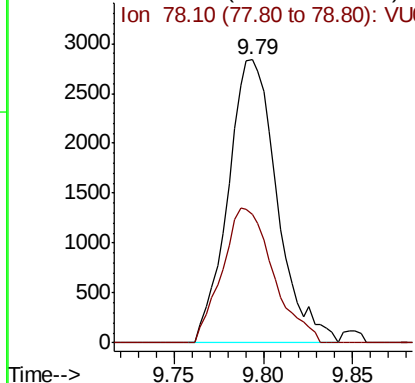


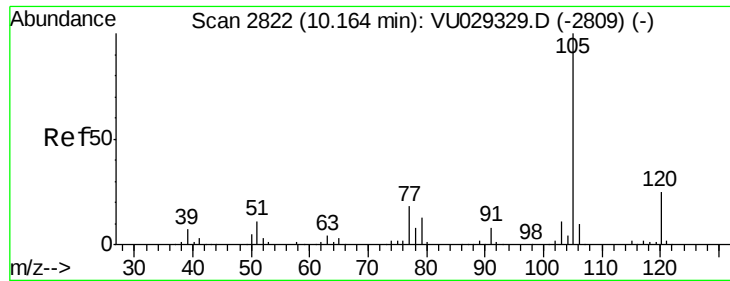
#55
Styrene
Concen: 0.439 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU029327.D
Acq: 01 Feb 2019 11:18

Tgt Ion:104 Resp: 5433
Ion Ratio Lower Upper
104 100
78 45.3 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.444 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

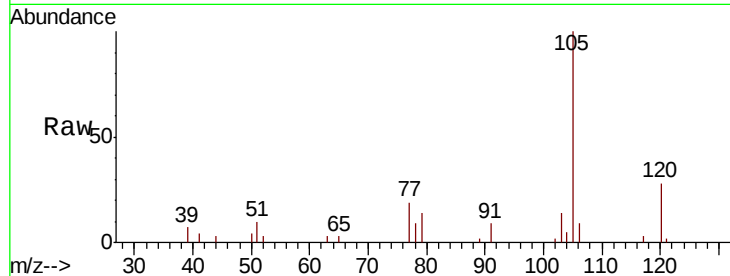
Tgt Ion: 105 Resp: 8701

Ion Ratio Lower Upper

105 100

120 25.0 20.2 30.2

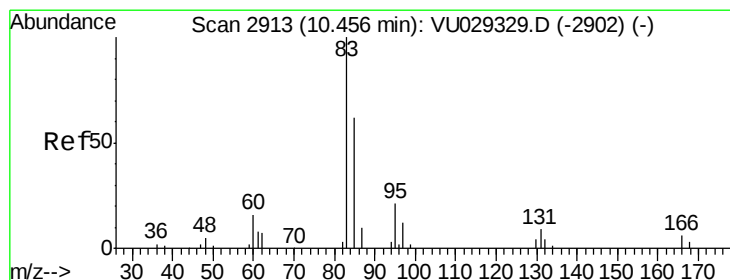
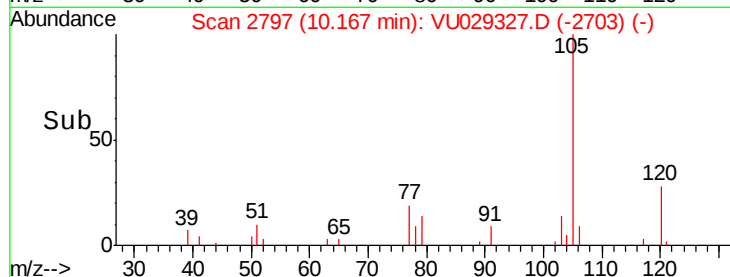
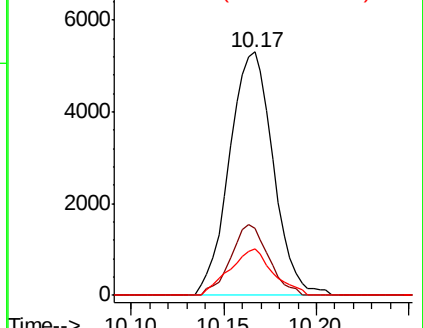
77 18.8 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.534 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

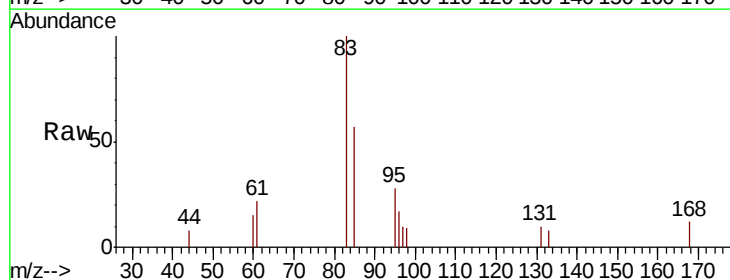
Tgt Ion: 83 Resp: 2203

Ion Ratio Lower Upper

83 100

85 56.9 44.4 82.4

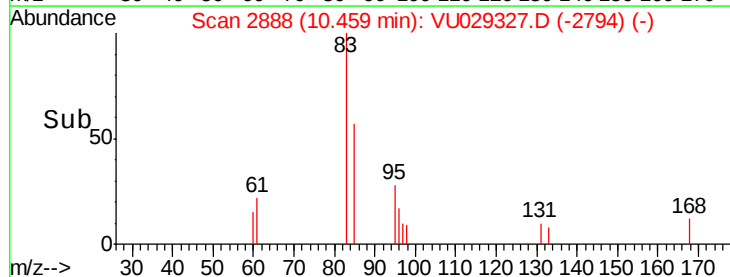
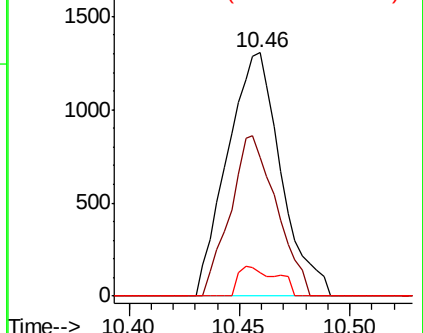
131 9.6 8.9 13.3

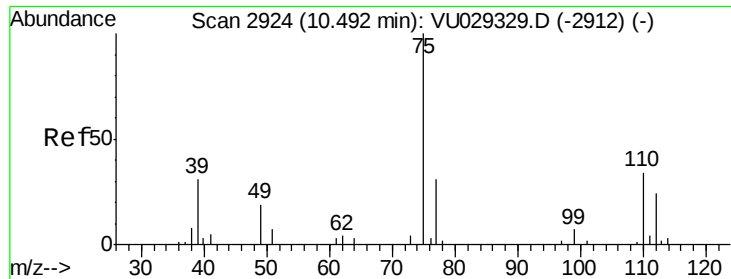


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

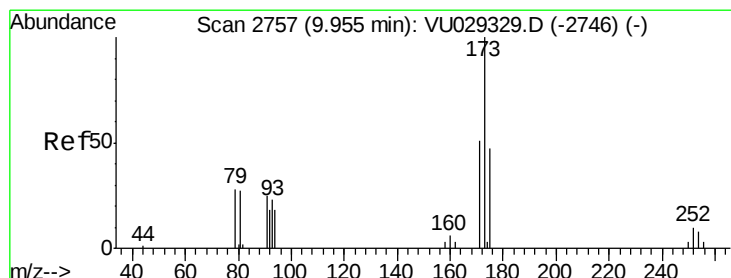
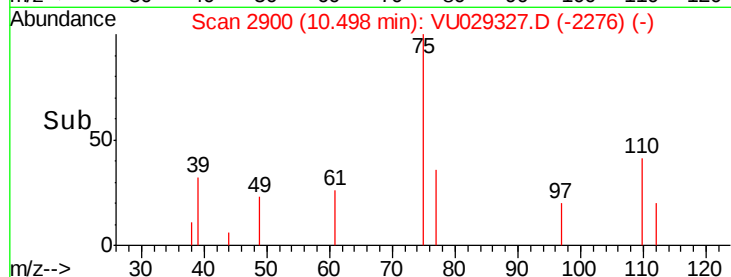
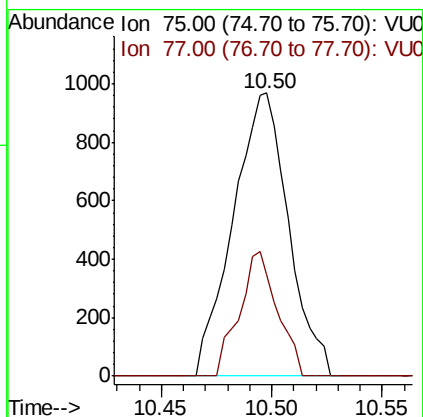
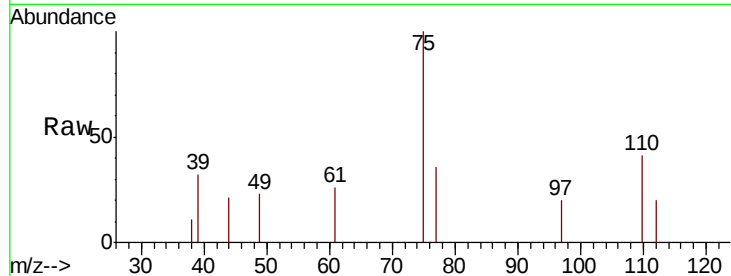




#59
 1,2,3-Trichloropropane
 Concen: 0.515 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

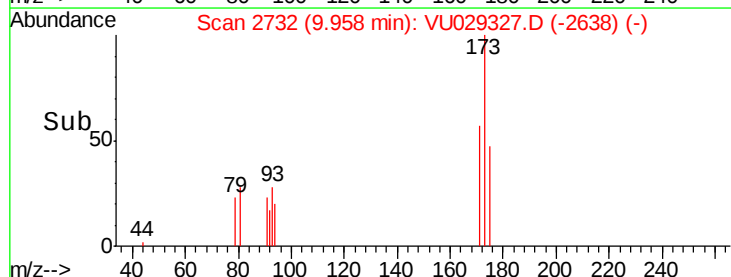
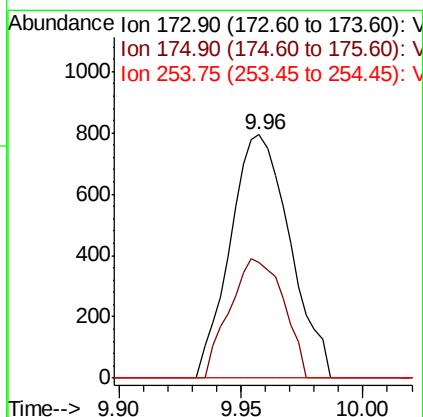
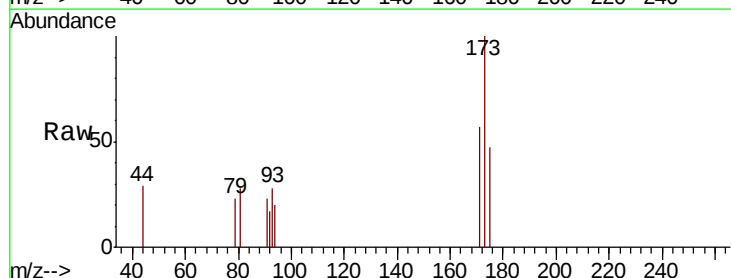
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD0.543

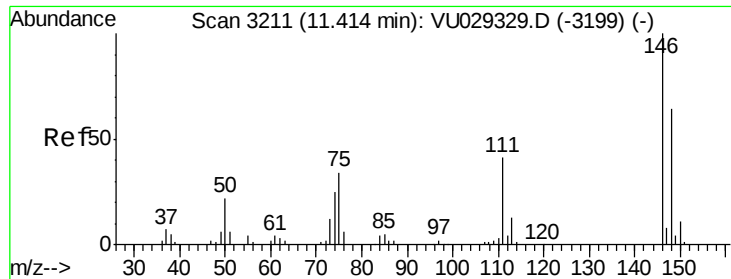
Tgt Ion: 75 Resp: 1693
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.7 37.1



#61
 Bromoform
 Concen: 0.561 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Tgt Ion: 173 Resp: 1346
 Ion Ratio Lower Upper
 173 100
 175 44.4 37.3 55.9
 254 0.0 6.9 10.3#





#62

1,3-Dichlorobenzene

Concen: 0.522 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

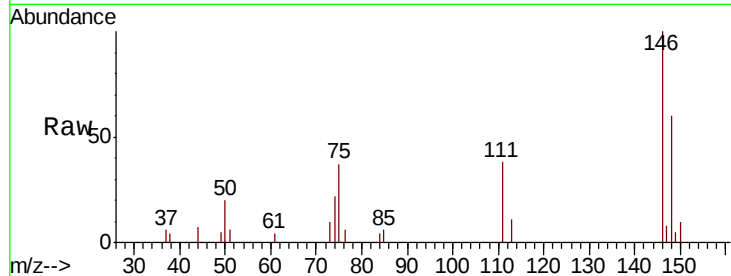
Tgt Ion:146 Resp: 4662

Ion Ratio Lower Upper

146 100

111 38.4 28.8 53.6

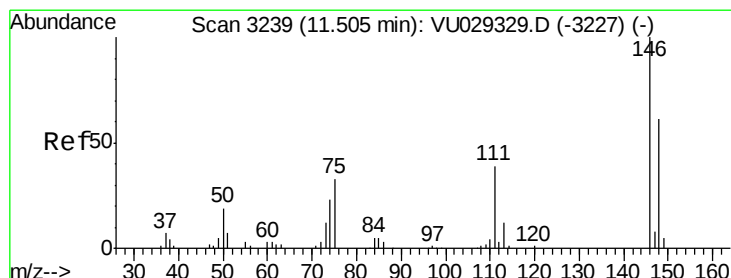
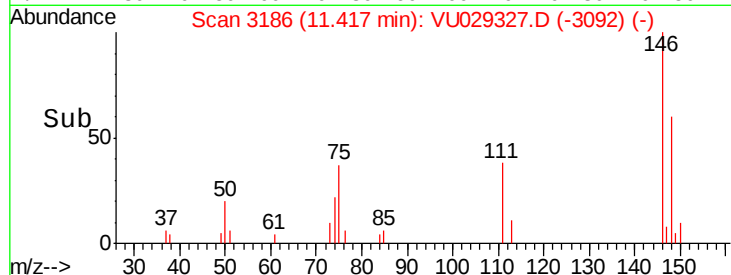
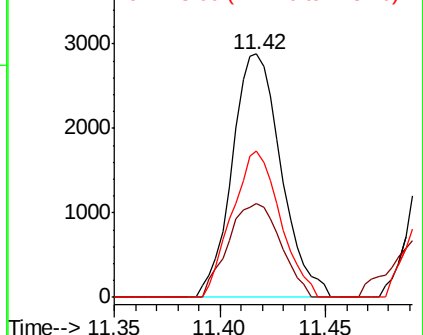
148 60.3 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.523 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

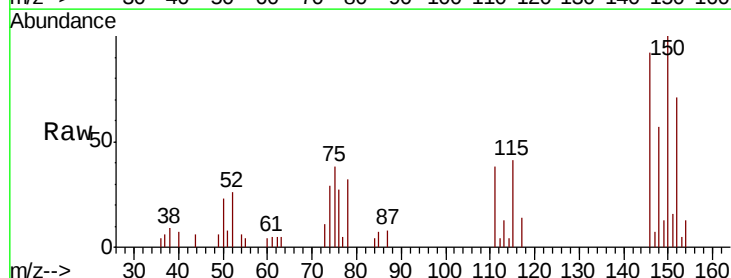
Tgt Ion:146 Resp: 4877

Ion Ratio Lower Upper

146 100

111 40.8 27.2 50.6

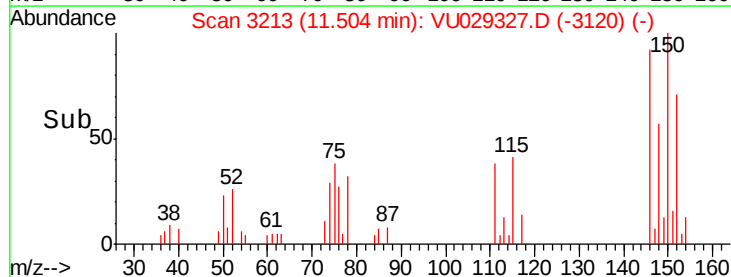
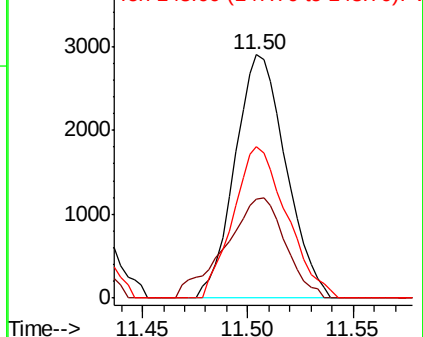
148 62.4 43.0 79.8

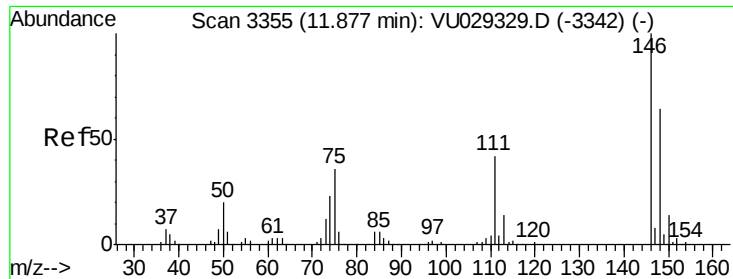


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

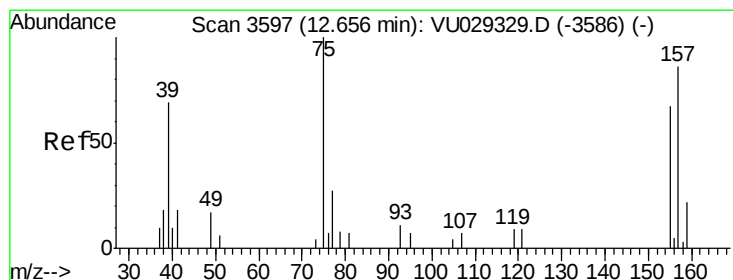
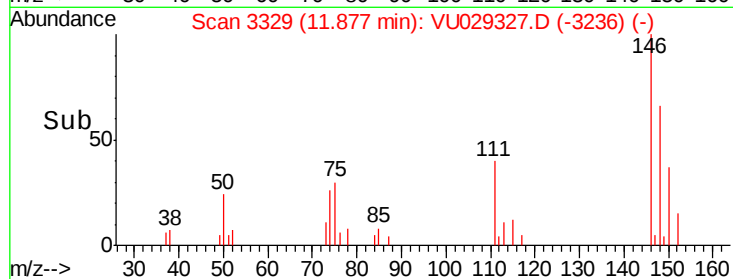
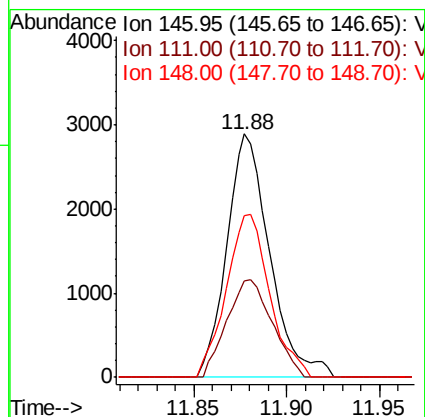
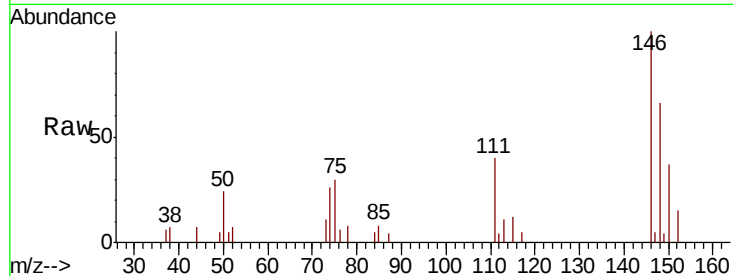




#65
 1,2-Dichlorobenzene
 Concen: 0.531 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

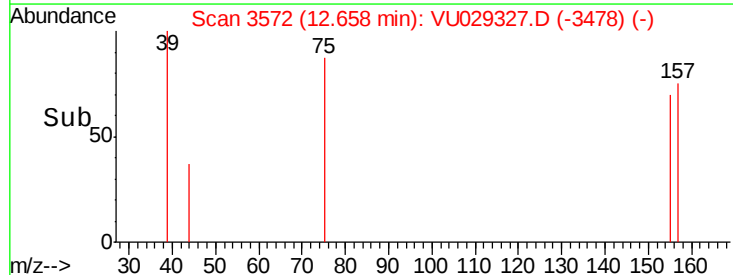
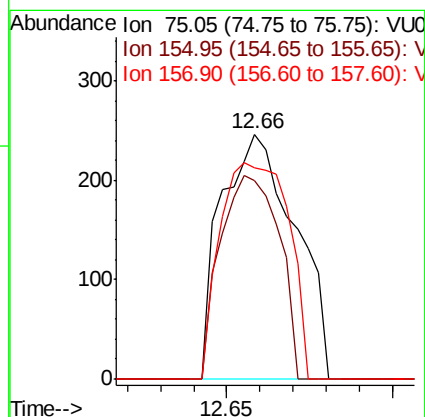
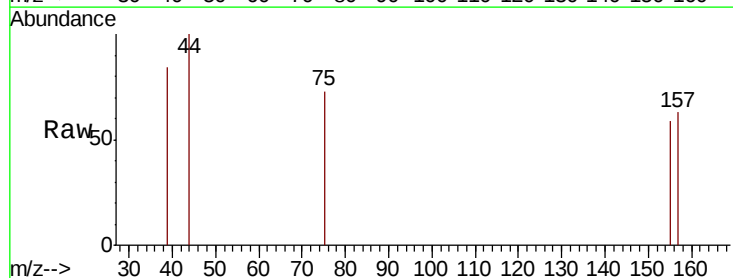
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

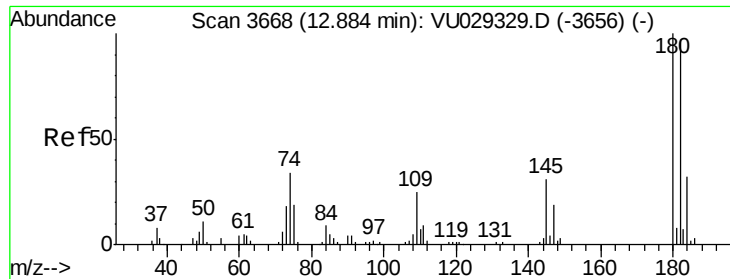
Tgt Ion: 146 Resp: 4637
 Ion Ratio Lower Upper
 146 100
 111 39.6 33.6 50.4
 148 66.4 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.501 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Tgt Ion: 75 Resp: 381
 Ion Ratio Lower Upper
 75 100
 155 81.3 53.7 80.5#
 157 86.2 68.8 103.2

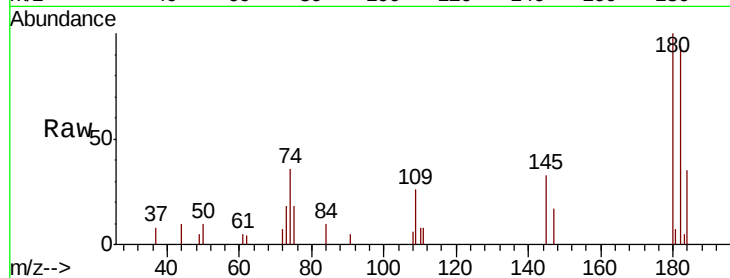




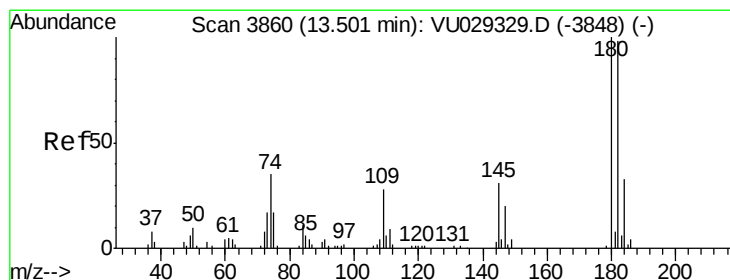
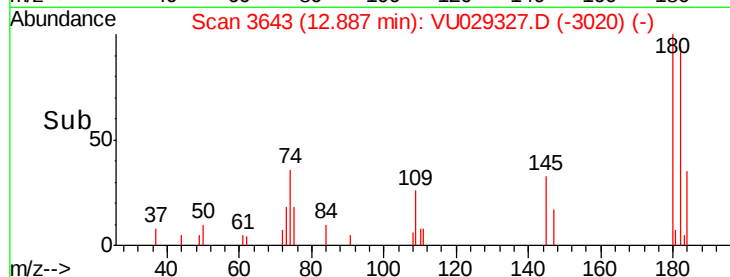
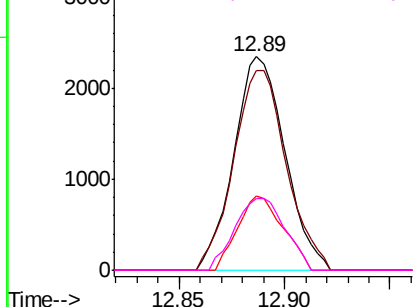
#67
 1,3,5-Trichlorobenzene
 Concen: 0.526 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

Tgt Ion:180 Resp: 3955
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.4 114.6
 184 30.7 24.6 36.8
 145 33.0 23.7 35.5

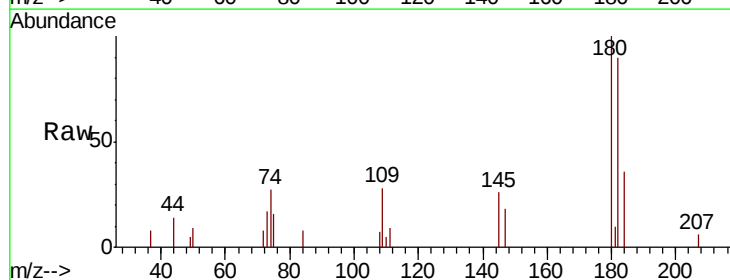


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

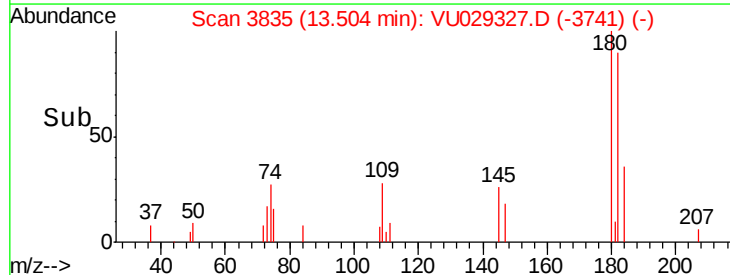
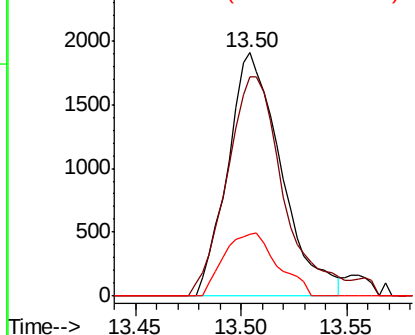


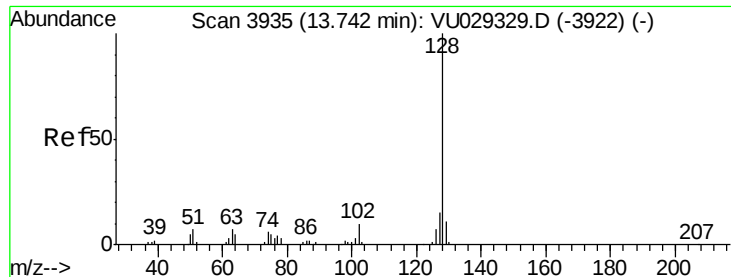
#68
 1,2,4-trichlorobenzene
 Concen: 0.520 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU029327.D
 Acq: 01 Feb 2019 11:18

Tgt Ion:180 Resp: 3340
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.6 116.4
 145 25.8 24.2 36.2



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





#69

Naphthalene

Concen: 0.526 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

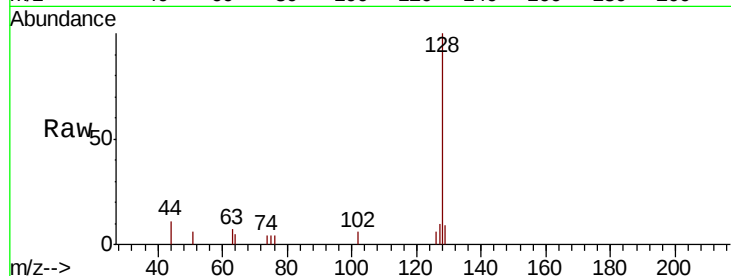
Tgt Ion:128 Resp: 5450

Ion Ratio Lower Upper

128 100

129 8.1 8.9 13.3#

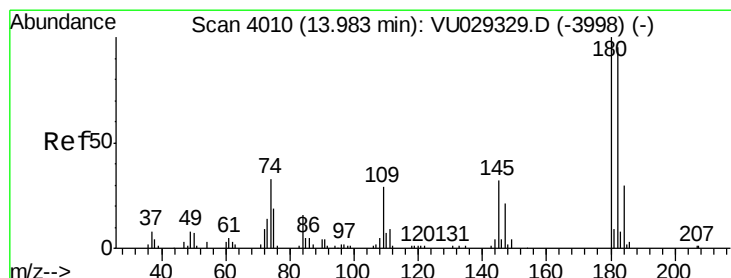
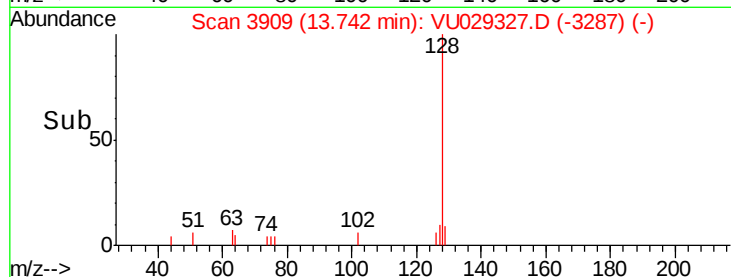
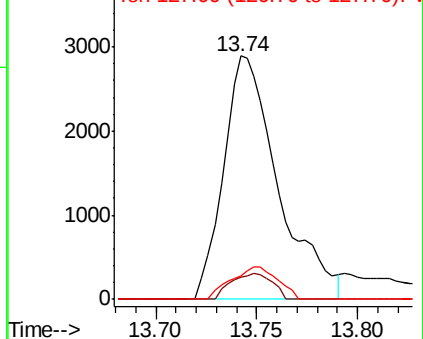
127 11.4 11.5 17.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.562 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029327.D

Acq: 01 Feb 2019 11:18

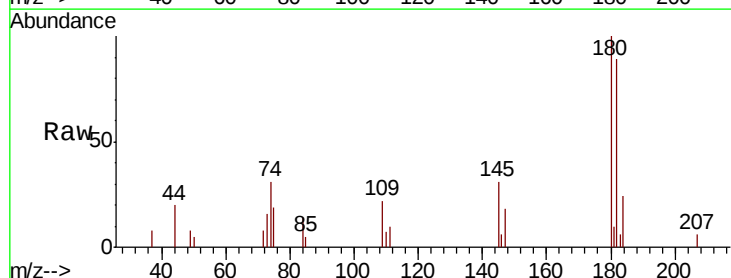
Tgt Ion:180 Resp: 3534

Ion Ratio Lower Upper

180 100

182 93.0 76.1 114.1

145 28.8 25.1 37.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

