

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028272.D
 Acq On : 20 Nov 2018 12:49
 Operator : MD/SY
 Sample : J5995-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 06:36:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 06:33:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	2516	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	2726	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	2344	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58008	306.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 6127.40%#	
7) Chloroethane-d5	1.68	69	53984	330.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 6605.40%#	
11) 1,1-Dichloroethene-d2	2.28	63	85542	227.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 4541.40%#	
20) 2-Butanone-d5	4.20	46	237269	3744.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 7489.84%#	
24) Chloroform-d	4.65	84	116420	329.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 6591.20%#	
26) 1,2-Dichloroethane-d4	5.31	65	67260	344.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 6890.00%#	
32) Benzene-d6	5.34	84	226268	288.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 5768.40%#	
36) 1,2-Dichloropropane-d6	6.33	67	86666	304.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 6084.20%#	
41) Toluene-d8	7.57	98	186826	266.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 5320.60%#	
43) trans-1,3-Dichloropropene-	7.85	79	26431	290.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 5808.80%#	
46) 2-Hexanone-d5	8.31	63	170524	3123.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 6247.92%#	
57) 1,1,2,2-Tetrachloroethane-	10.43	84	66193	321.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 6434.00%#	
64) 1,2-Dichlorobenzene-d4	11.86	152	67158	154.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 3080.80%#	

Target Compounds

					Ovalue
3) Chloromethane	1.33	50	297	1.104	ug/L # 42
5) Vinyl chloride	1.40	62	75455	295.479	ug/L 99
6) Bromomethane	1.81	94	104	0.902	ug/L # 4
8) Chloroethane	1.68	64	732	4.850	ug/L # 59
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	778	4.753	ug/L # 27
12) 1,1-Dichloroethene	2.29	96	1943	12.544	ug/L # 1
13) Acetone	2.33	43	1452	33.322	ug/L 90
14) Carbon disulfide	2.48	76	389	0.800	ug/L # 26
15) Methyl Acetate	2.61	43	434	3.758	ug/L # 59
16) Methylene chloride	2.71	84	1820	9.326	ug/L 85
17) Methyl tert-butyl Ether	3.01	73	2503525	5380.515	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	66209	401.275	ug/L 97
19) 1,1-Dichloroethane	3.45	63	21280	55.619	ug/L 96
21) 2-Butanone	4.29	43	599	8.633	ug/L # 55
22) cis-1,2-Dichloroethene	4.23	96	657042	3368.967	ug/L 92
25) Chloroform	4.67	83	1565	3.780	ug/L # 65
27) 1,2-Dichloroethane	5.40	62	282	1.192	ug/L # 78

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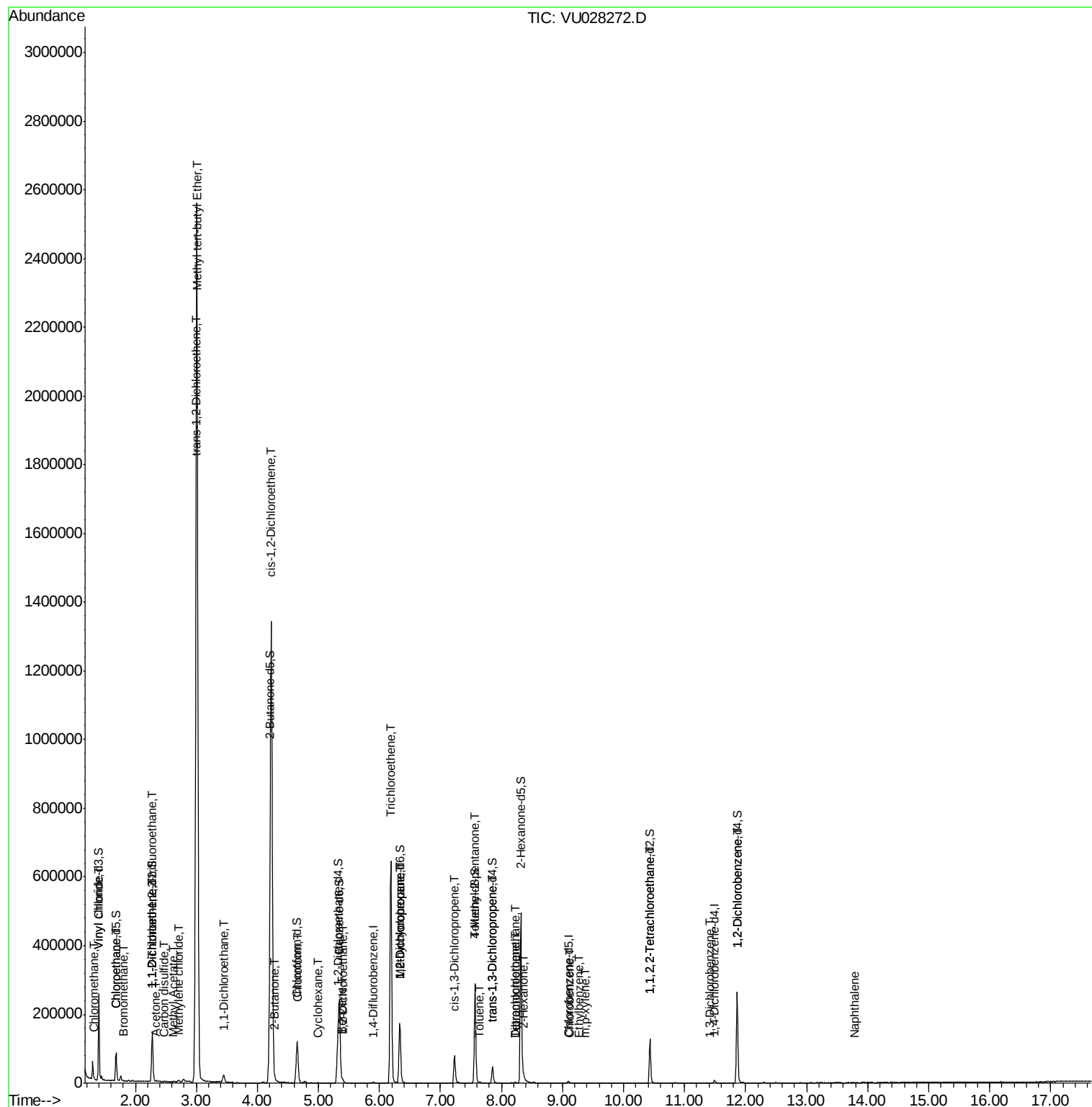
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.99	56	41	0.102	ug/L #	1
33) Benzene	5.40	78	8630	9.595	ug/L	100
34) Trichloroethene	6.19	95	229181	1040.791	ug/L	98
35) Methylcyclohexane	6.33	83	17430	50.239	ug/L #	13
37) 1,2-Dichloropropane	6.33	63	8590	33.469	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	2109	6.484	ug/L	92
40) 4-Methyl-2-pentanone	7.56	43	1113	6.066	ug/L #	1
42) Toluene	7.64	91	550	0.603	ug/L #	62
44) trans-1,3-Dichloropropene	7.85	75	1037	4.238	ug/L	87
47) Tetrachloroethene	8.23	164	443	2.898	ug/L #	68
48) 2-Hexanone	8.37	43	4403	33.657	ug/L #	74
49) Dibromochloromethane	8.22	129	495	3.154	ug/L #	10
51) Chlorobenzene	9.12	112	170	0.324	ug/L #	26
52) Ethylbenzene	9.27	91	71	0.072	ug/L #	47
53) m,p-xylene	9.38	106	166	0.488	ug/L #	1
58) 1,1,2,2-Tetrachloroethane	10.43	83	114	0.572	ug/L #	1
62) 1,3-Dichlorobenzene	11.41	146	116	0.163	ug/L #	24
65) 1,2-Dichlorobenzene	11.87	146	102	0.146	ug/L #	1
69) Naphthalene	13.79	128	70	0.086	ug/L #	69

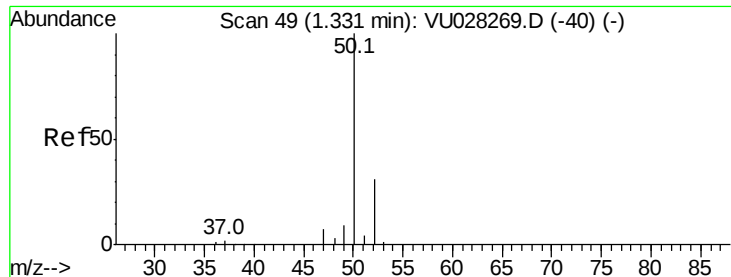
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.104 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

Instrument :

MSVOA_U

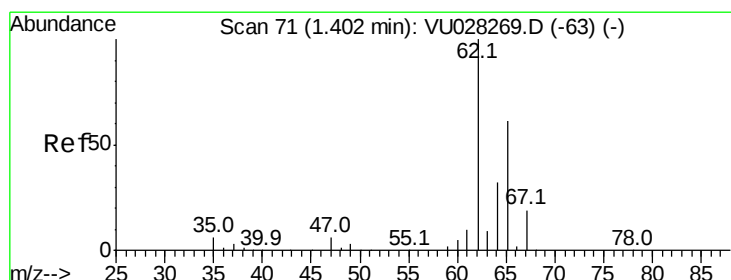
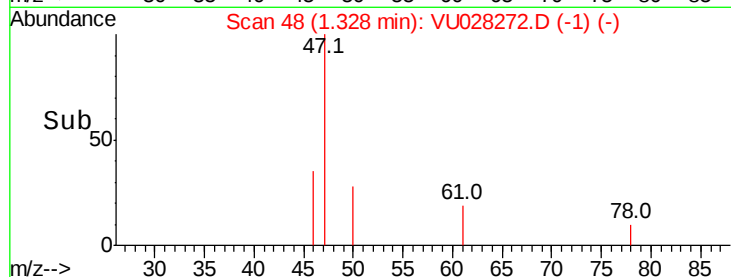
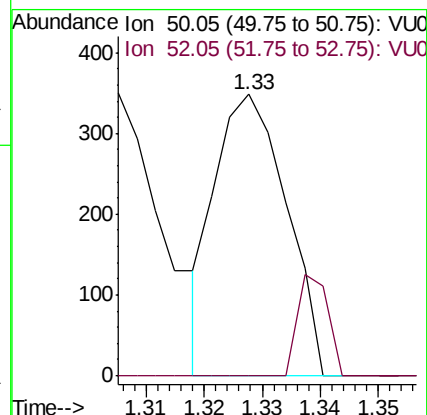
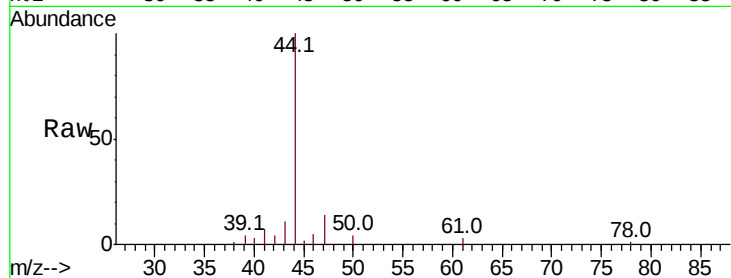
ClientSampleId :

Tot Ion: 50 Resp: 297

Ion Ratio Lower Upper

50 100

52 0.0 22.8 42.4#



#5

Vinyl chloride

Concen: 295.479 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028272.D

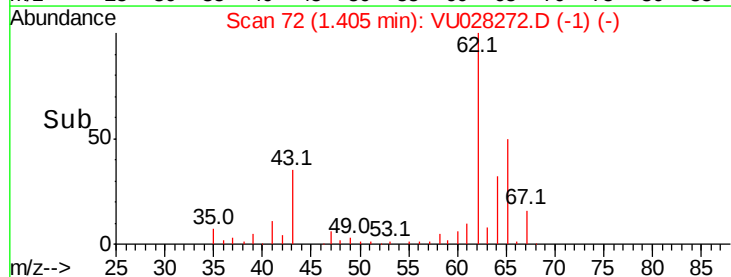
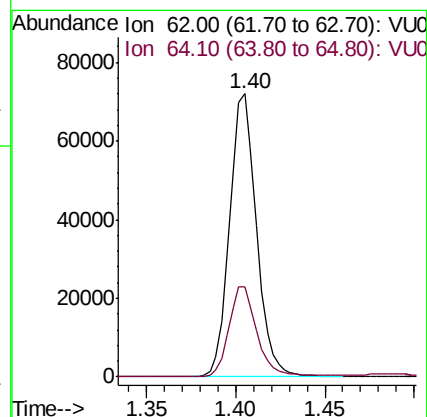
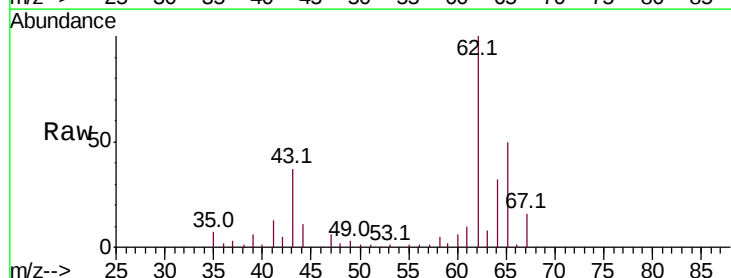
Acq: 20 Nov 2018 12:49

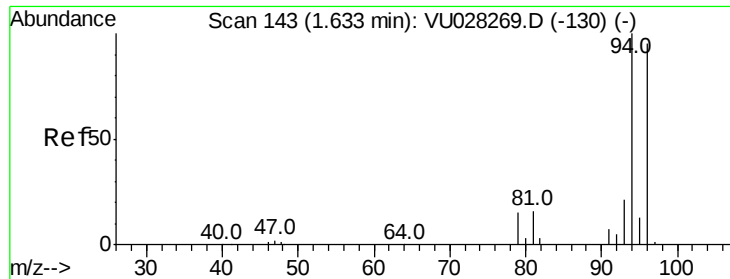
Tgt Ion: 62 Resp: 75455

Ion Ratio Lower Upper

62 100

64 31.8 21.7 40.3





#6

Bromomethane

Concen: 0.902 ug/L

RT: 1.81 min Scan# 199

Delta R.T. 0.18 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

Instrument :

MSVOA_U

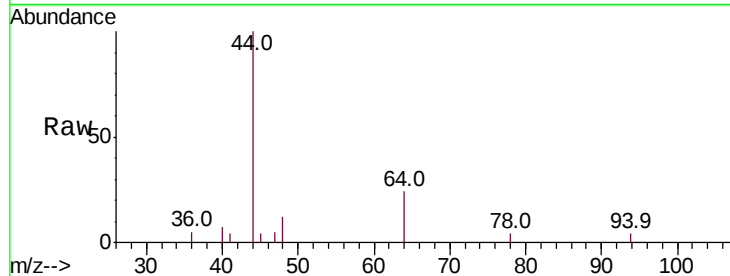
ClientSampleId :

Tot Ion: 94 Resp: 104

Ion Ratio Lower Upper

94 100

96 0.0 63.6 118.0#



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

150

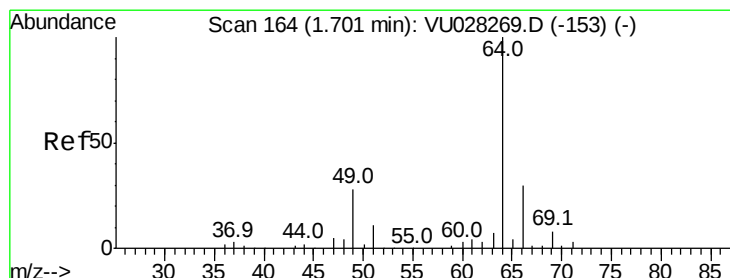
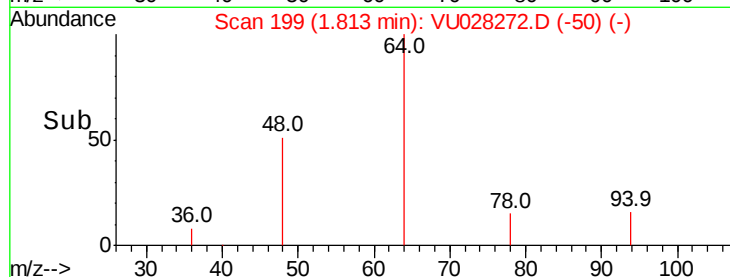
100

50

0

1.79 1.80 1.81 1.82 1.83

Time-->



#8

Chloroethane

Concen: 4.850 ug/L

RT: 1.68 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU028272.D

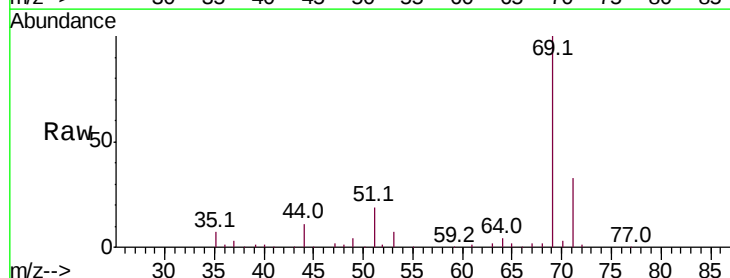
Acq: 20 Nov 2018 12:49

Tgt Ion: 64 Resp: 732

Ion Ratio Lower Upper

64 100

66 7.3 20.7 38.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

2000

1500

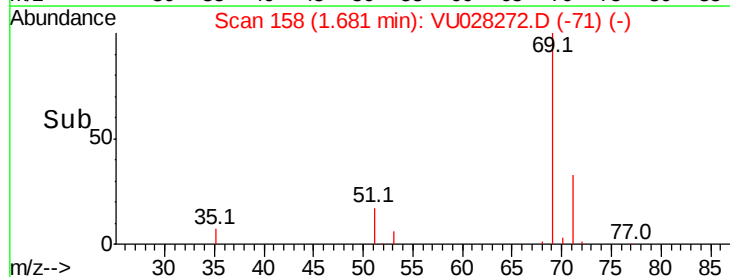
1000

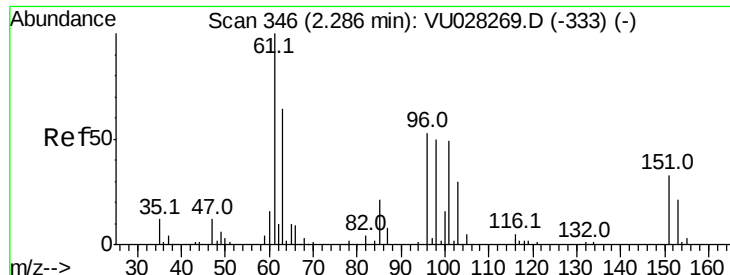
500

0

1.66 1.68 1.70

Time-->





#10

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

Concen: 4.753 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

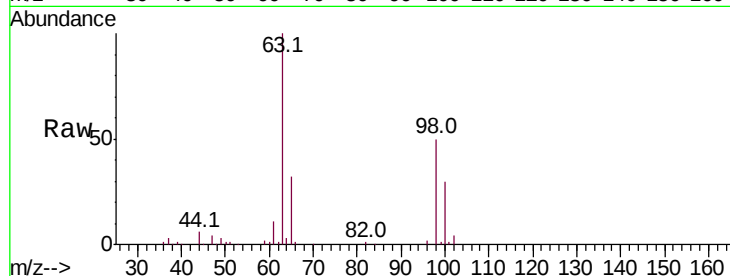
Tot Ion:101 Resp: 778

Ion Ratio Lower Upper

101 100

85 9.0 37.4 56.2#

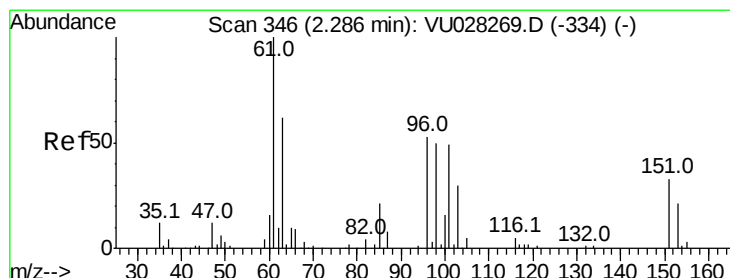
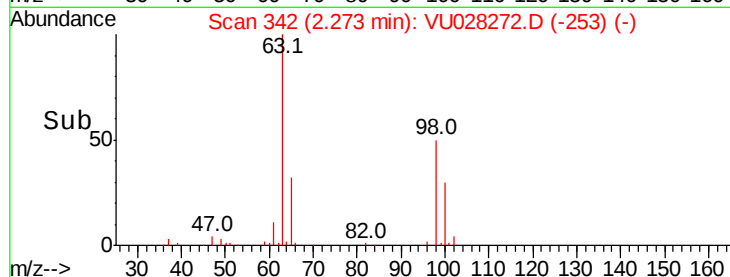
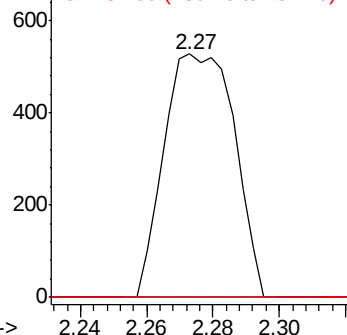
151 0.0 55.0 82.4#



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: 12.544 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

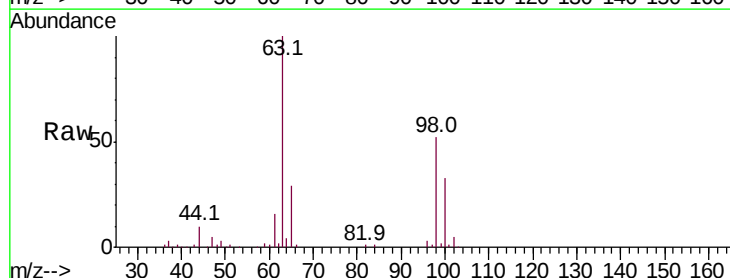
Tgt Ion: 96 Resp: 1943

Ion Ratio Lower Upper

96 100

61 482.1 145.5 270.1#

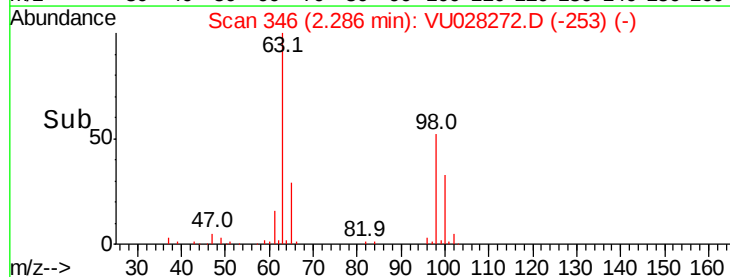
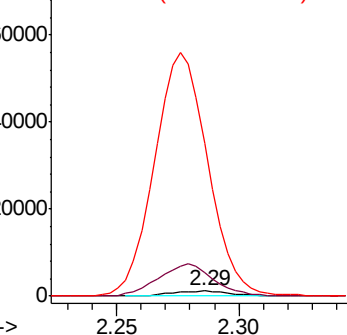
63 3103.7 98.6 183.2#

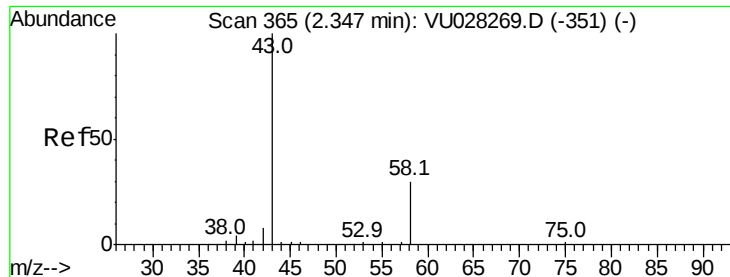


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 33.322 ug/L

RT: 2.33 min Scan# 361

Delta R.T. -0.01 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

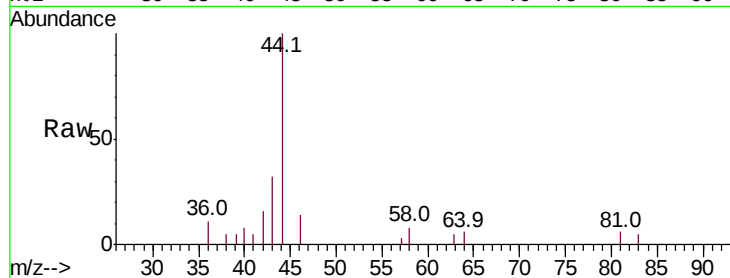
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1452

Ion Ratio Lower Upper

43 100

58 34.8 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.33

1000

800

600

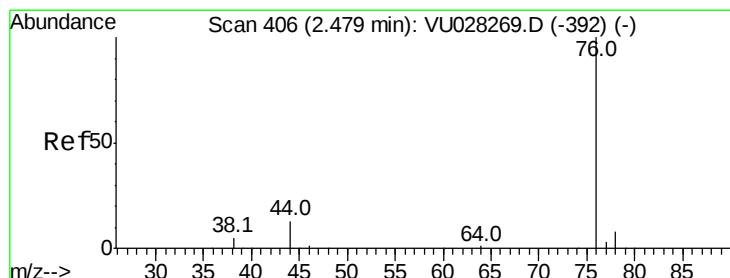
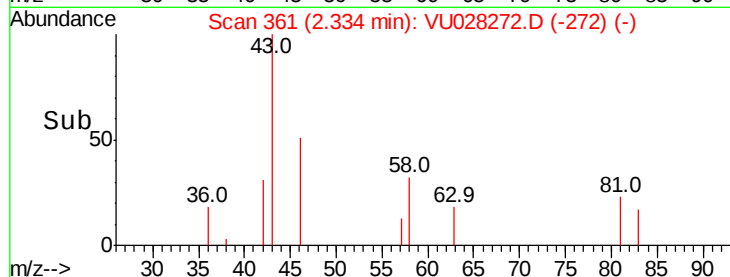
400

200

0

Time-->

2.30 2.32 2.34 2.36 2.38



#14

Carbon disulfide

Concen: 0.800 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU028272.D

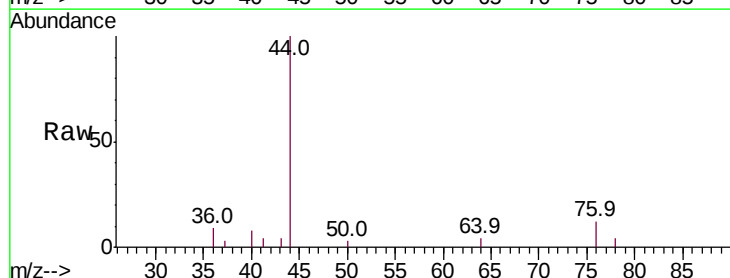
Acq: 20 Nov 2018 12:49

Tgt Ion: 76 Resp: 389

Ion Ratio Lower Upper

76 100

78 36.5 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

400

300

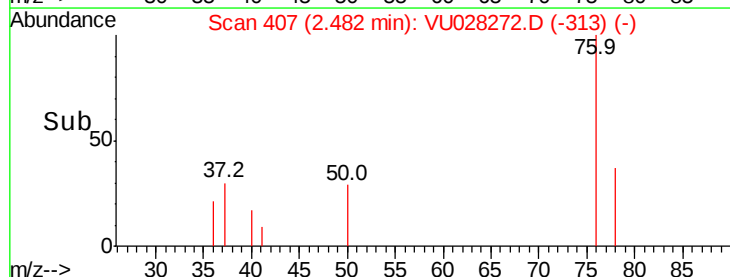
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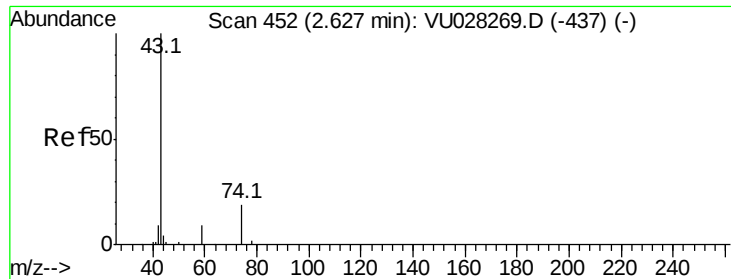
100

0

Time-->

2.46 2.48 2.50

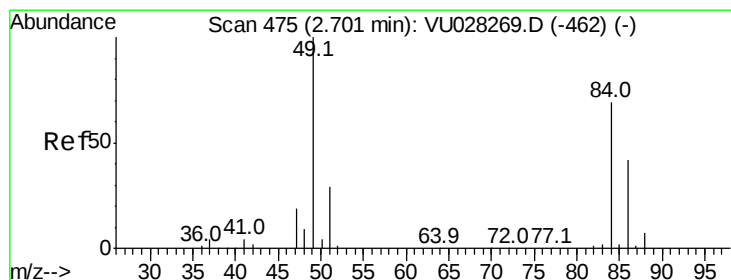
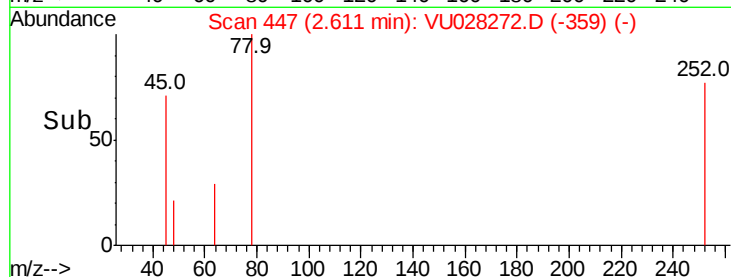
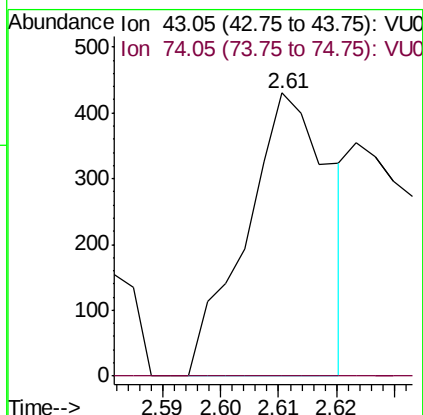
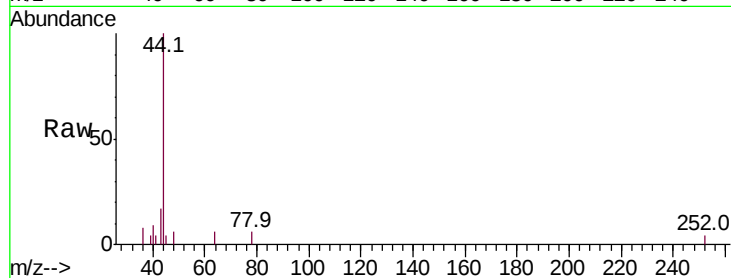




#15
Methyl Acetate
Concen: 3.758 ug/L
RT: 2.61 min Scan# 447
Delta R.T. -0.02 min
Lab File: VU028272.D
Acq: 20 Nov 2018 12:49

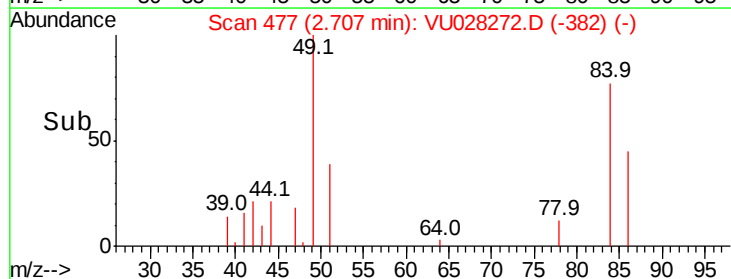
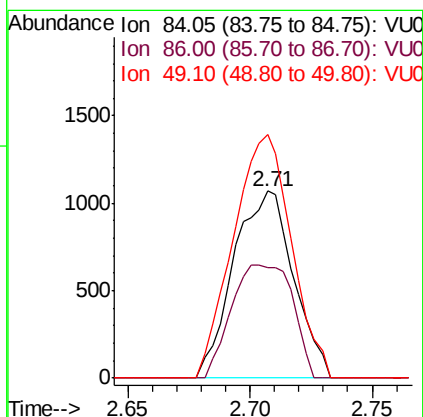
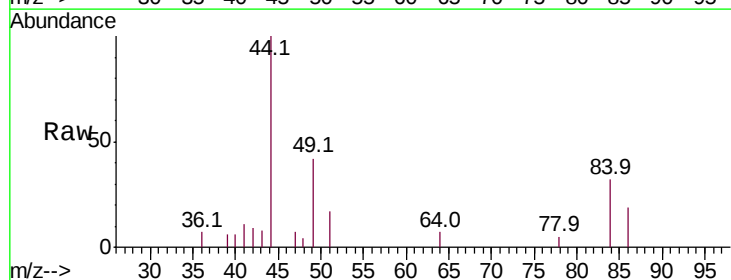
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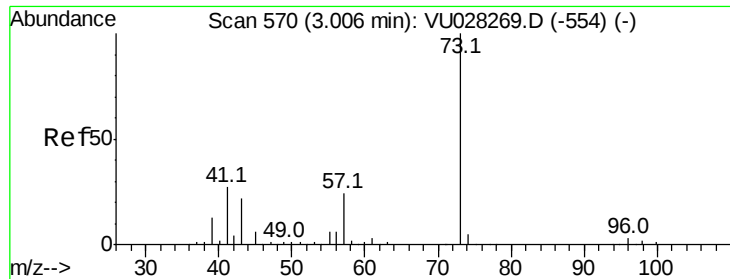
Tot Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
74 0.0 14.7 22.1#



#16
Methylene chloride
Concen: 9.326 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU028272.D
Acq: 20 Nov 2018 12:49

Tgt Ion: 84 Resp: 1820
Ion Ratio Lower Upper
84 100
86 58.9 45.3 84.1
49 130.1 107.9 200.5





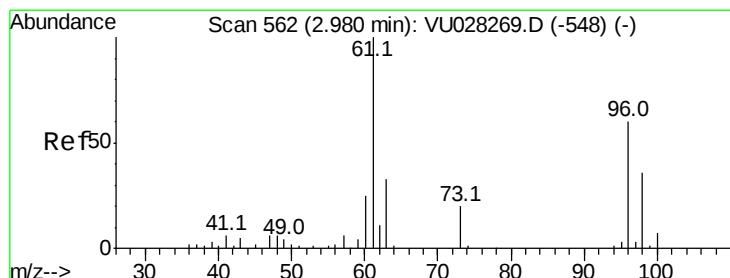
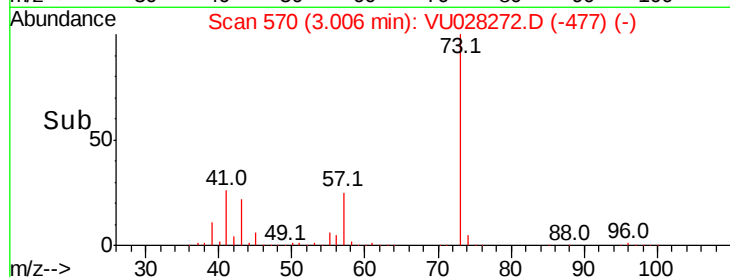
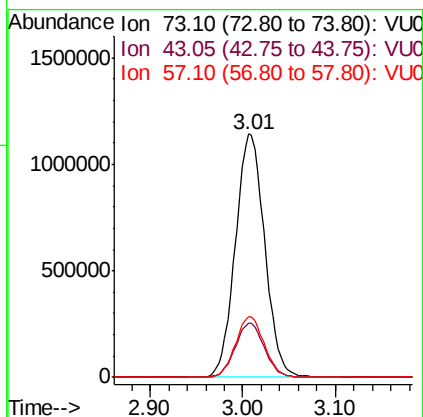
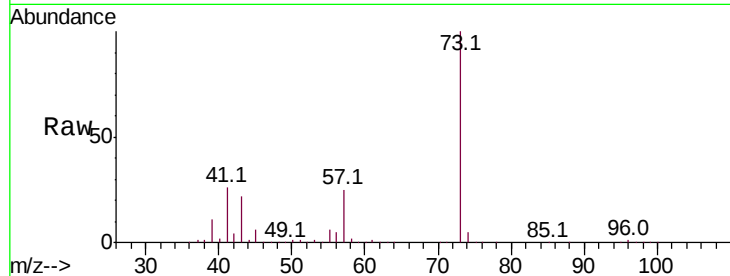
#17

Methvl tert-butvl Ether
 Concen: 5380.515 ug/L
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU028272.D
 Acq: 20 Nov 2018 12:49

Instrument :
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Tot Ion: 73 Resp: 2503525

Ion	Ratio	Lower	Upper
73	100		
43	22.3	18.8	28.2
57	24.6	19.2	28.8

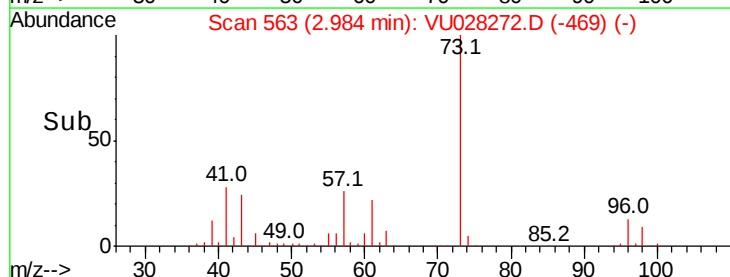
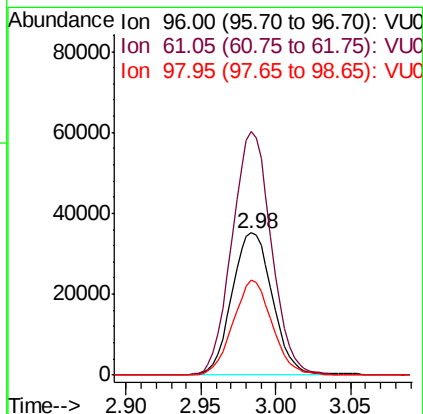
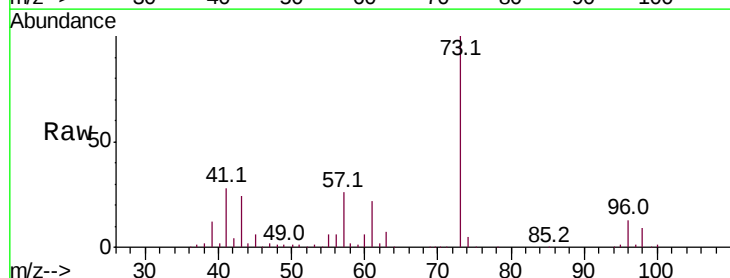


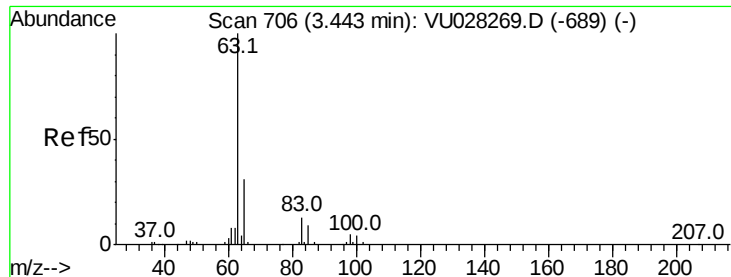
#18

trans-1,2-Dichloroethene
 Concen: 401.275 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VU028272.D
 Acq: 20 Nov 2018 12:49

Tgt Ion: 96 Resp: 66209

Ion	Ratio	Lower	Upper
96	100		
61	171.1	122.2	227.0
98	66.8	44.9	83.5





#19

1,1-Dichloroethane

Concen: 55.619 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.01 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

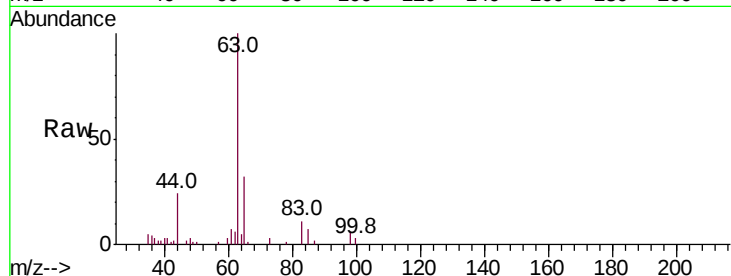
Tot Ion: 63 Resp: 21280

Ion Ratio Lower Upper

63 100

65 32.3 21.2 39.4

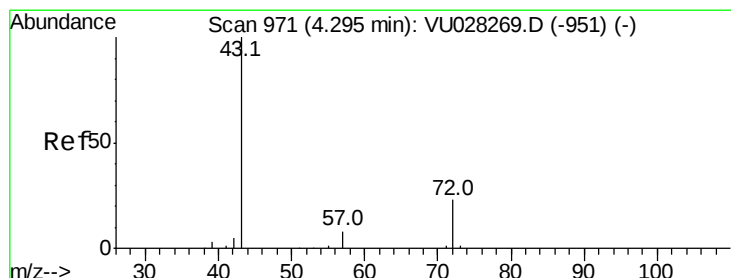
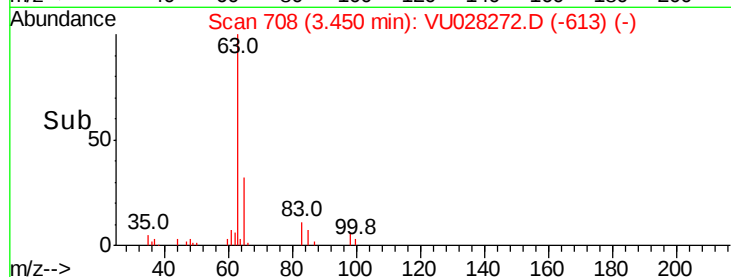
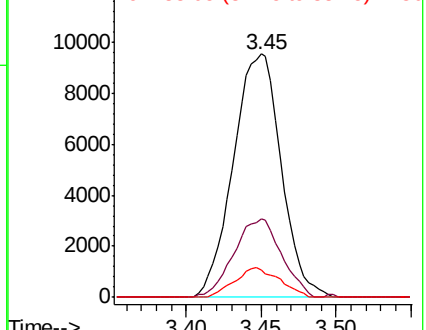
83 11.2 8.8 16.4



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: 8.633 ug/L

RT: 4.29 min Scan# 969

Delta R.T. -0.01 min

Lab File: VU028272.D

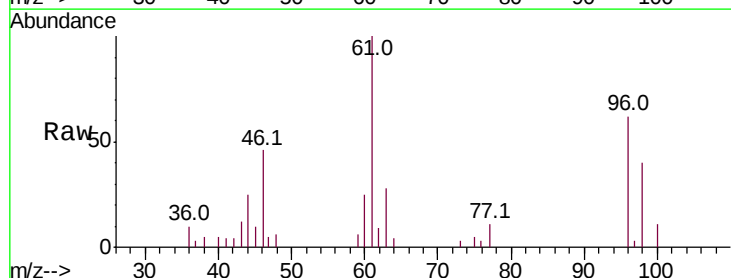
Acq: 20 Nov 2018 12:49

Tgt Ion: 43 Resp: 599

Ion Ratio Lower Upper

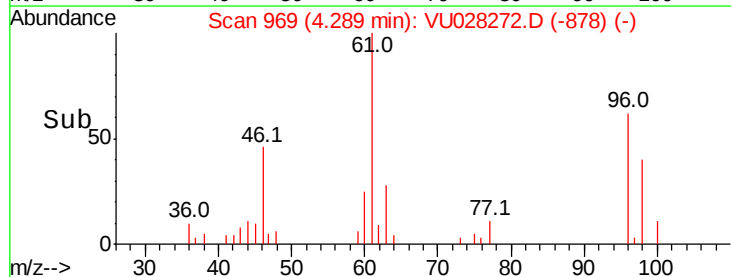
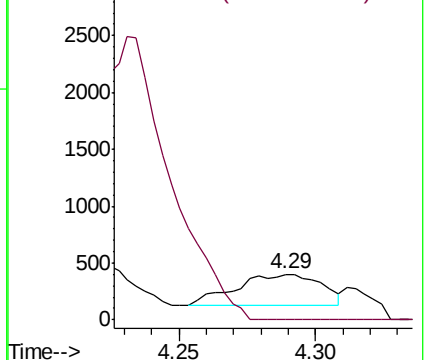
43 100

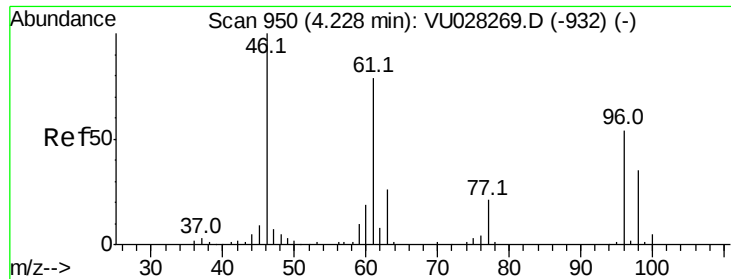
72 0.0 10.7 32.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



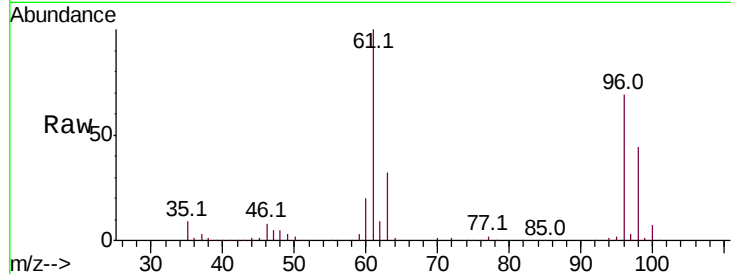


#22

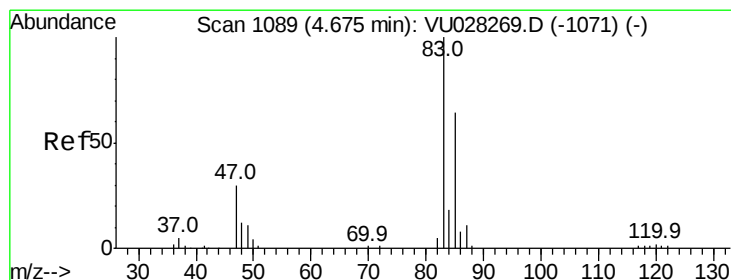
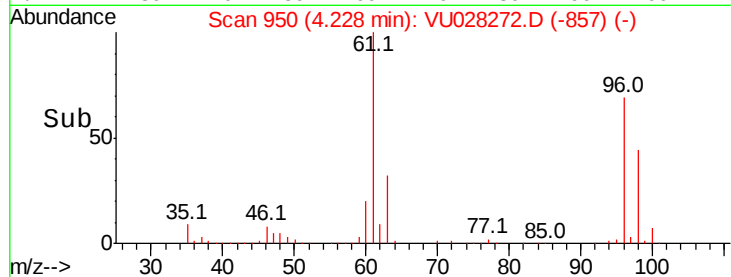
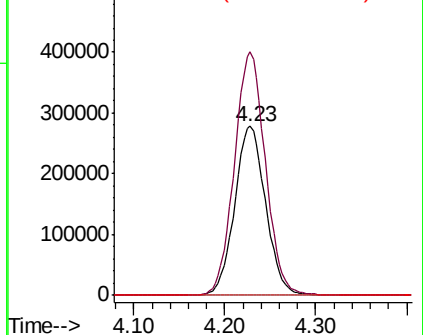
cis-1,2-Dichloroethene
Concen: 3368.967 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028272.D
Acq: 20 Nov 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 657042
Ion Ratio Lower Upper
96 100
61 143.9 108.0 200.6
68 0.0 0.0 0.0



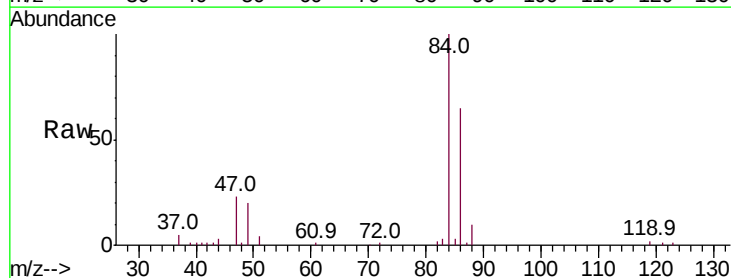
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



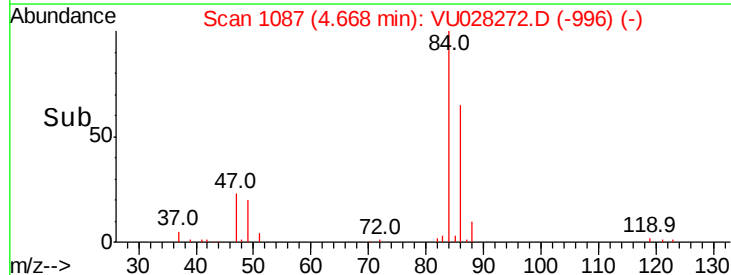
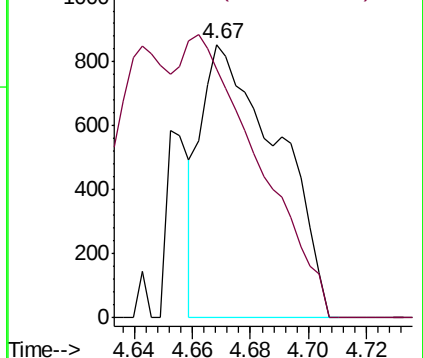
#25

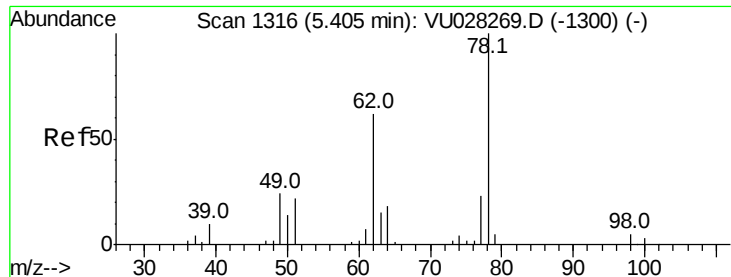
Chloroform
Concen: 3.780 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VU028272.D
Acq: 20 Nov 2018 12:49

Tgt Ion: 83 Resp: 1565
Ion Ratio Lower Upper
83 100
85 90.9 44.6 82.8#



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

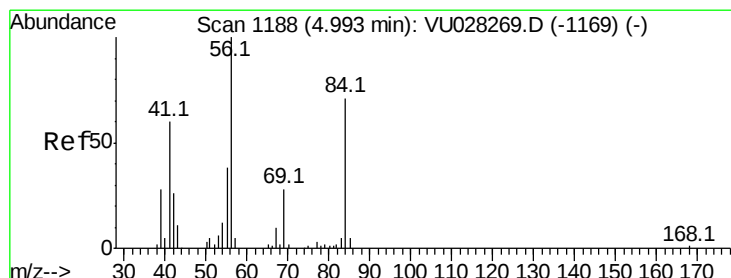
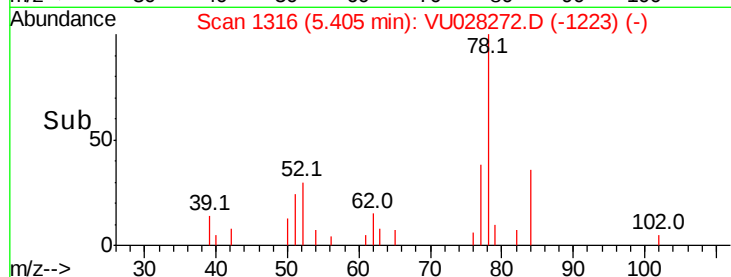
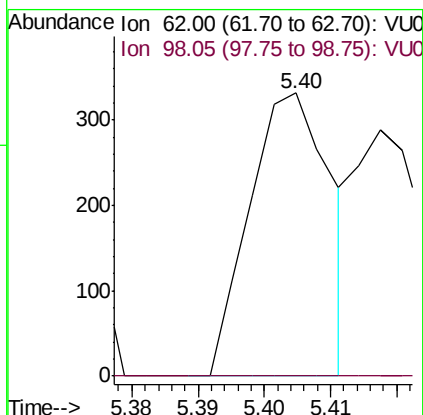
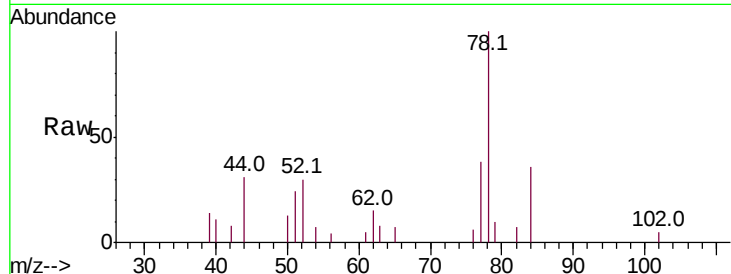




#27
 1,2-Dichloroethane
 Concen: 1.192 ug/L
 RT: 5.40 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VU028272.D
 Acq: 20 Nov 2018 12:49

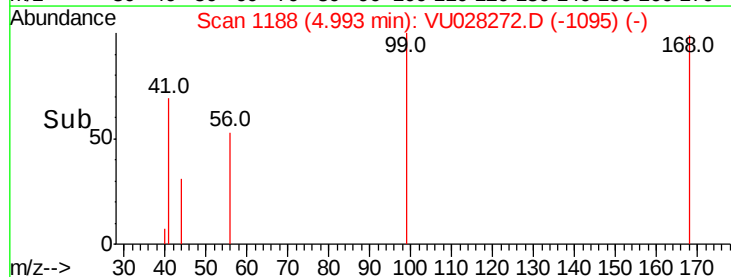
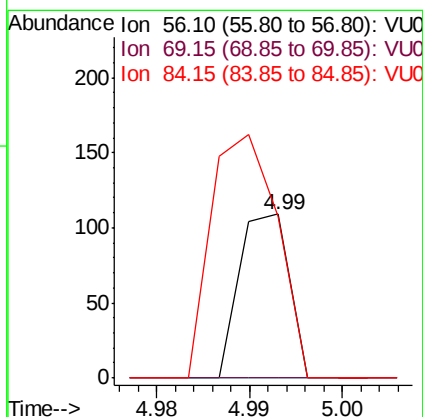
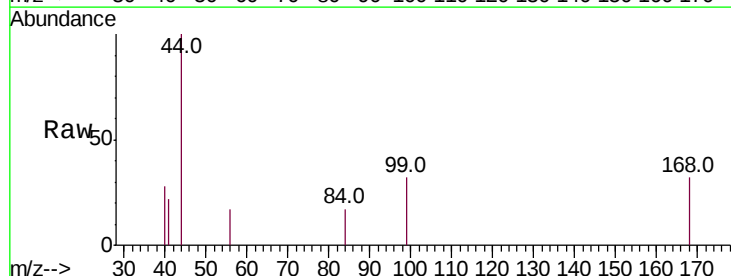
Instrument :
 MSVOA_U
 ClientSampleId :

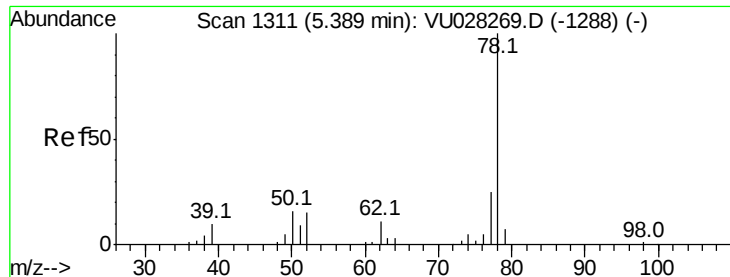
Tot Ion: 62 Resp: 282
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.4#



#30
 Cyclohexane
 Concen: 0.102 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU028272.D
 Acq: 20 Nov 2018 12:49

Tgt Ion: 56 Resp: 41
 Ion Ratio Lower Upper
 56 100
 69 0.0 22.0 33.0#
 84 197.6 56.0 84.0#

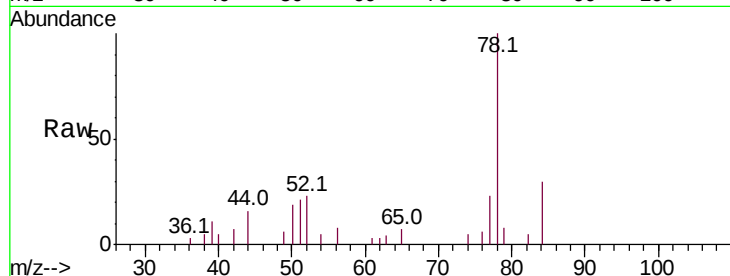




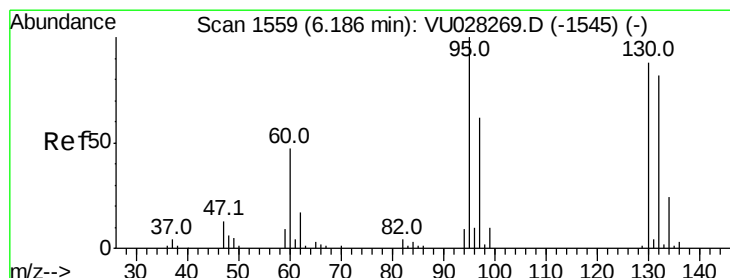
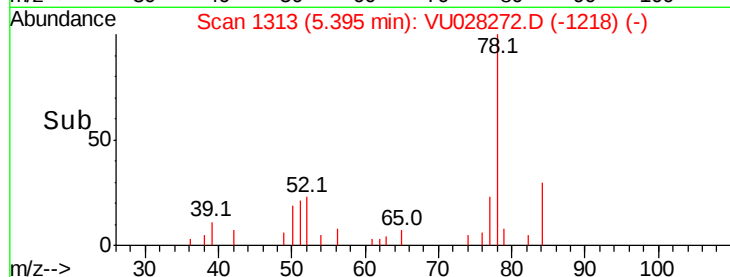
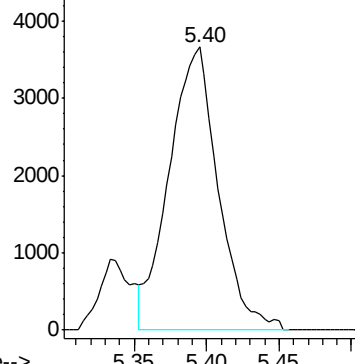
#33
Benzene
Concen: 9.595 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VU028272.D
Acq: 20 Nov 2018 12:49

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 8630



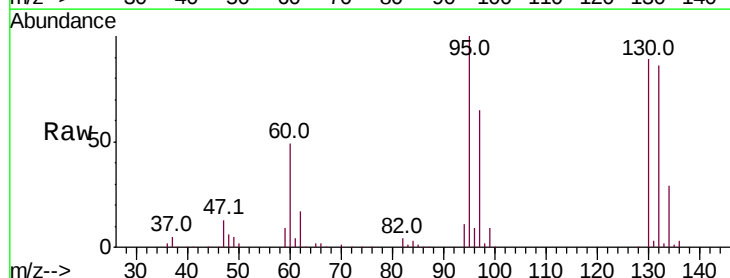
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 1040.791 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028272.D
Acq: 20 Nov 2018 12:49

Tgt Ion: 95 Resp: 229181

Ion	Ratio	Lower	Upper
95	100		
97	65.4	46.5	86.3
132	86.3	58.9	109.3
130	88.9	61.3	113.9

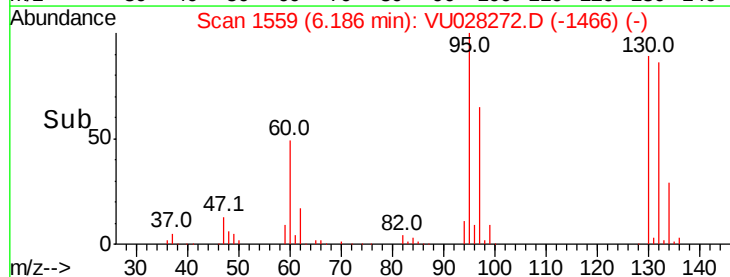
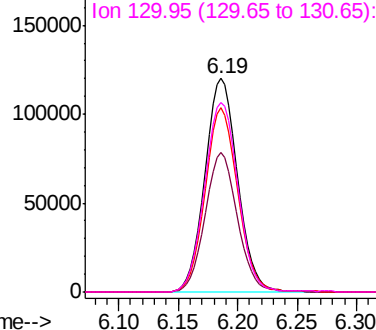


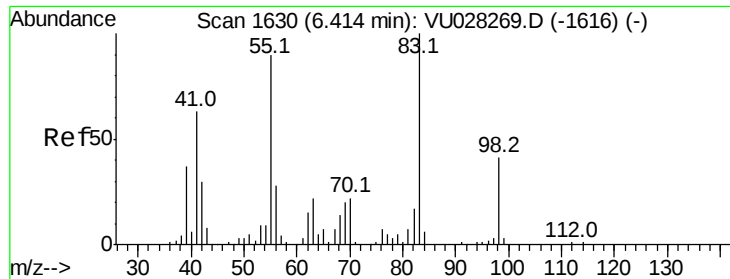
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 50.239 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :

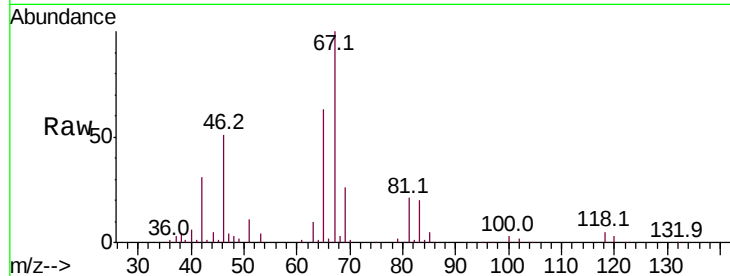
Tot Ion: 83 Resp: 17430

Ion Ratio Lower Upper

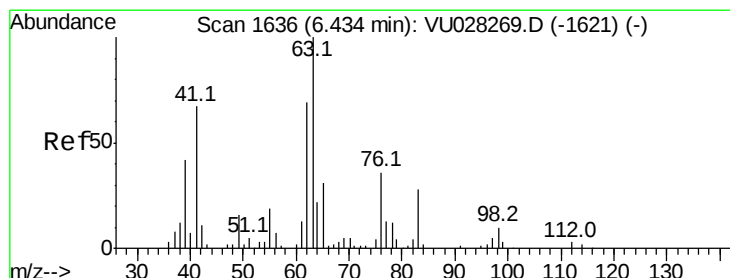
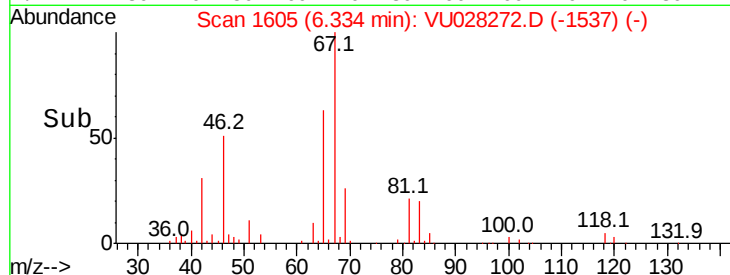
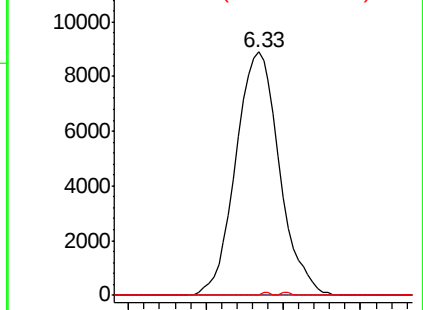
83 100

55 0.0 73.2 109.8#

98 0.0 33.4 50.2#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 33.469 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU028272.D

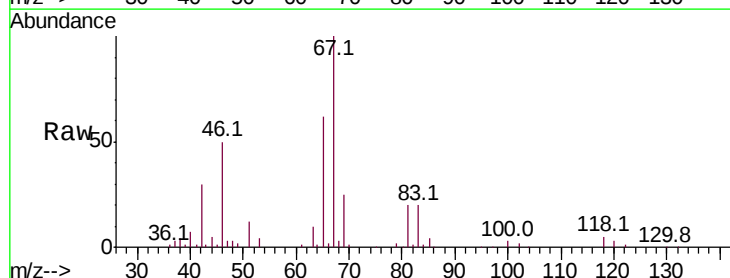
Acq: 20 Nov 2018 12:49

Tgt Ion: 63 Resp: 8590

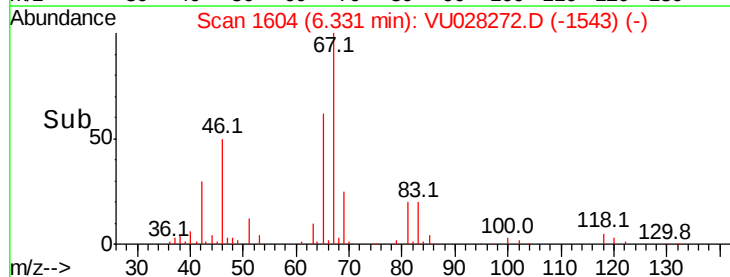
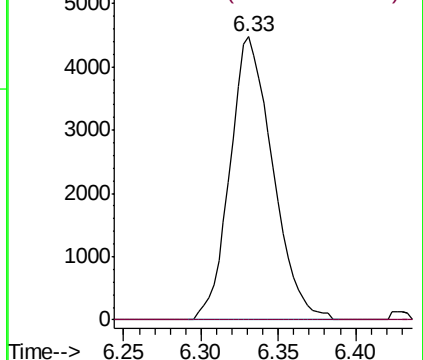
Ion Ratio Lower Upper

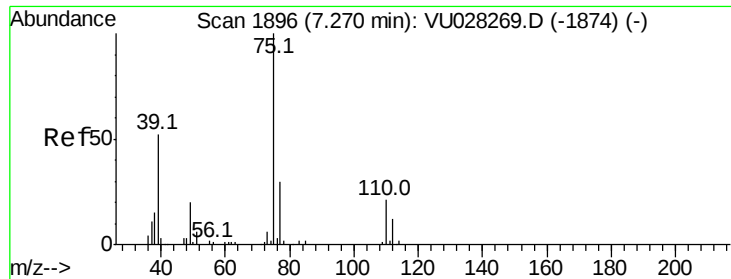
63 100

112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

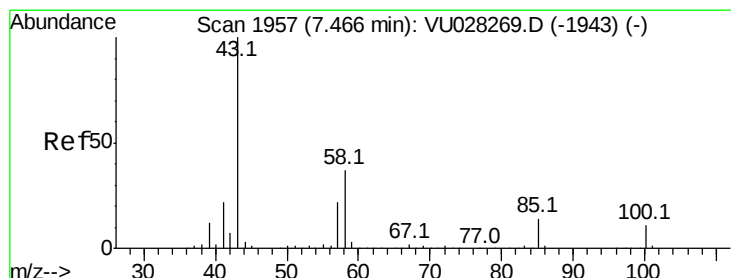
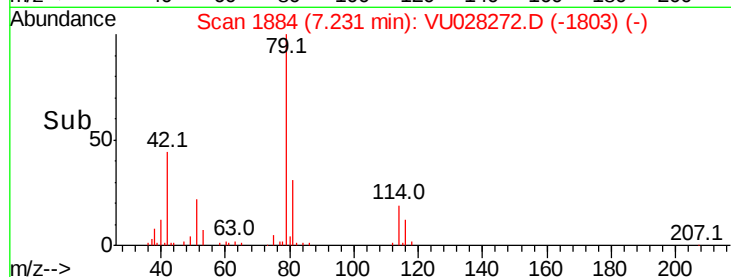
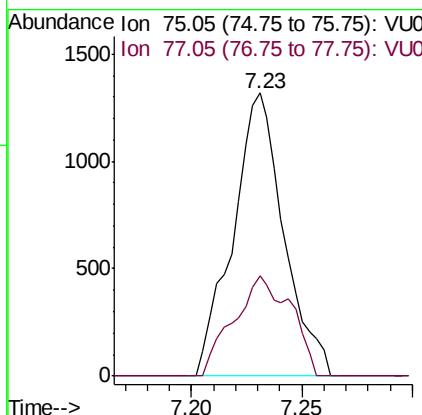
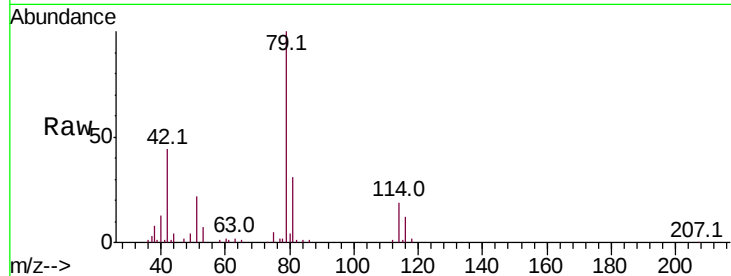




#39
 cis-1,3-Dichloropropene
 Concen: 6.484 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028272.D
 Acq: 20 Nov 2018 12:49

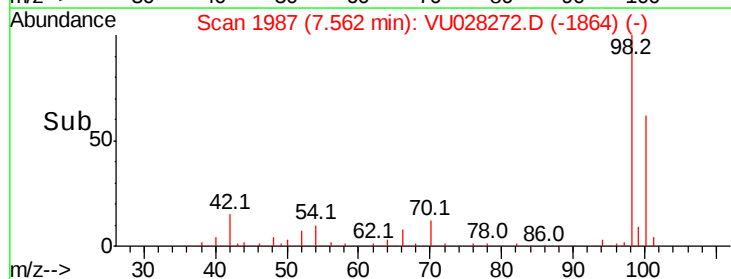
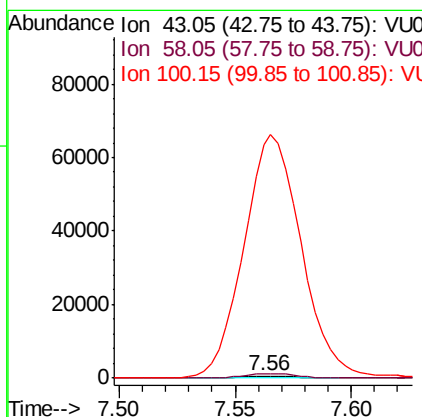
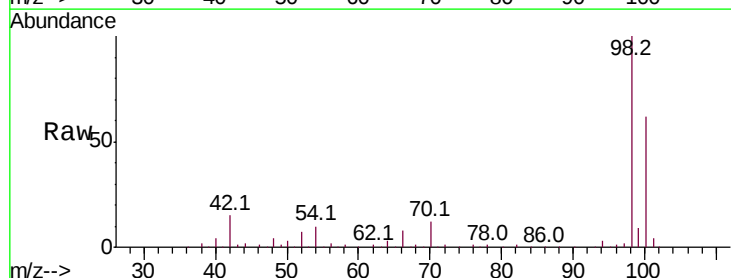
Instrument :
 MSVOA_U
 ClientSampled :

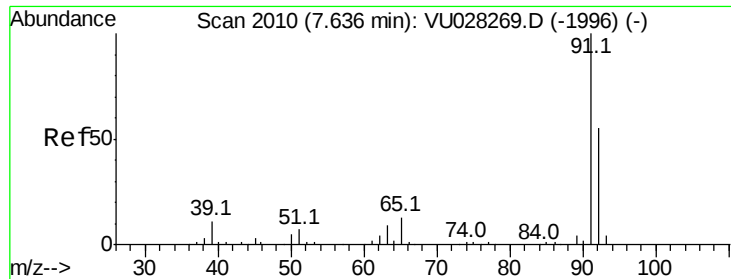
Tot Ion: 75 Resp: 2109
 Ion Ratio Lower Upper
 75 100
 77 35.4 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 6.066 ug/L
 RT: 7.56 min Scan# 1987
 Delta R.T. 0.10 min
 Lab File: VU028272.D
 Acq: 20 Nov 2018 12:49

Tgt Ion: 43 Resp: 1113
 Ion Ratio Lower Upper
 43 100
 58 173.0 28.8 43.2#
 100 10317.8 8.0 12.0#





#42

Toluene

Concen: 0.603 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.01 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

Instrument :

MSVOA_U

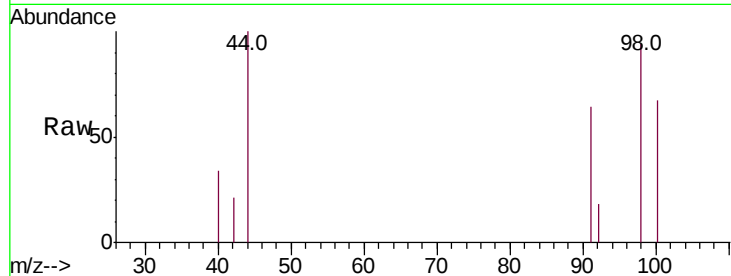
ClientSampleId :

Tot Ion: 91 Resp: 550

Ion Ratio Lower Upper

91 100

92 27.8 39.0 72.4#



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

400

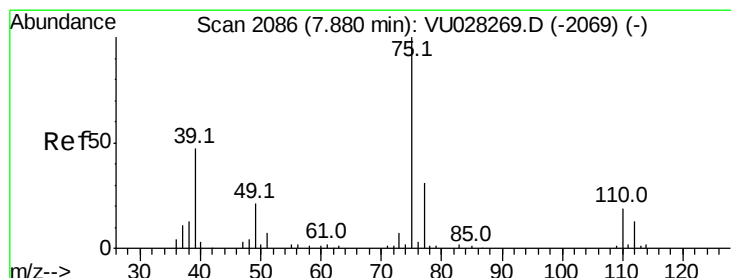
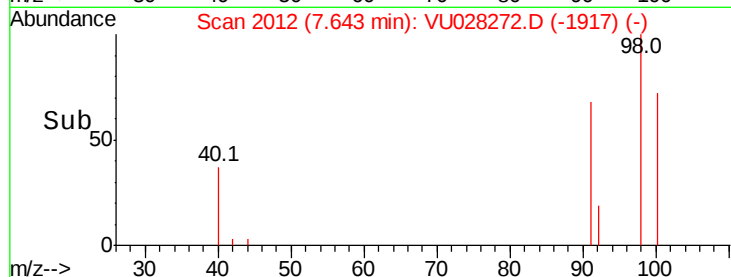
300

200

100

0

Time--> 7.60 7.62 7.64 7.66 7.68



#44

trans-1,3-Dichloropropene

Concen: 4.238 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU028272.D

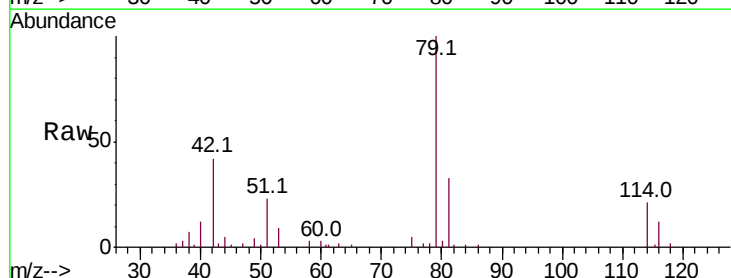
Acq: 20 Nov 2018 12:49

Tgt Ion: 75 Resp: 1037

Ion Ratio Lower Upper

75 100

77 38.5 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.85

800

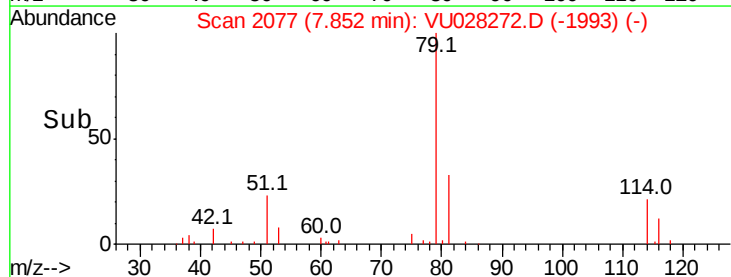
600

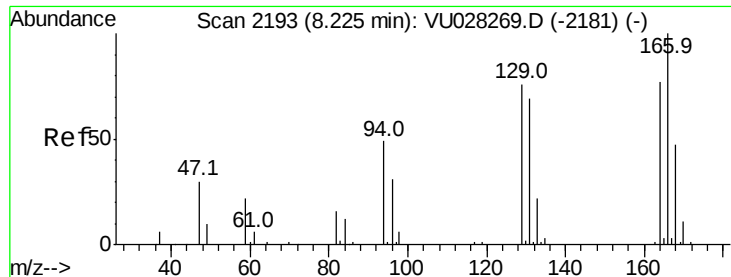
400

200

0

Time--> 7.85 7.90

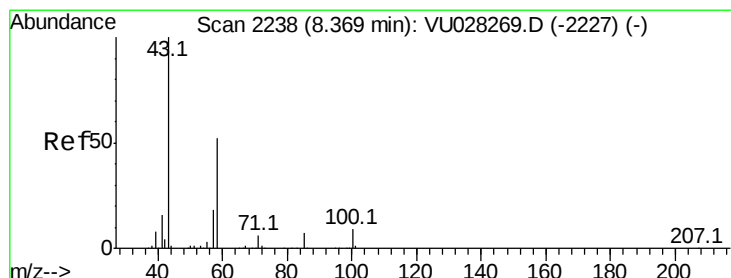
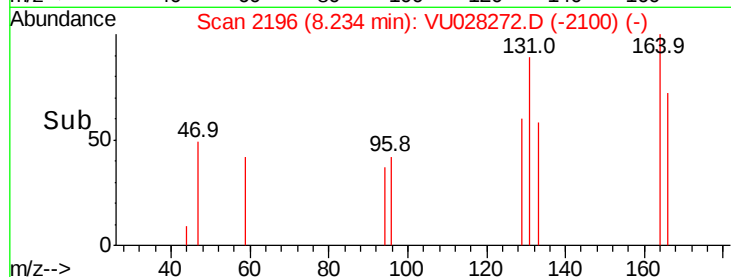
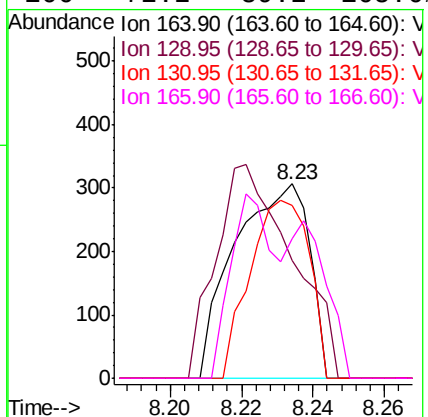
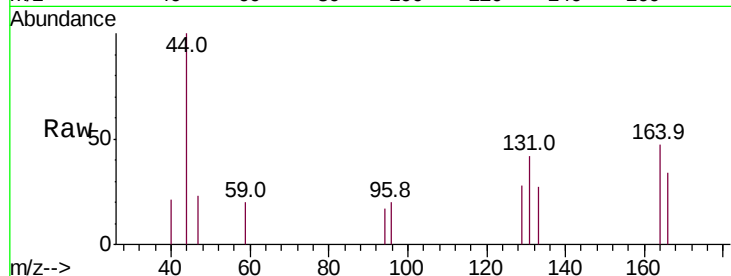




#47
Tetrachloroethene
Concen: 2.898 ug/L
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU028272.D
Acq: 20 Nov 2018 12:49

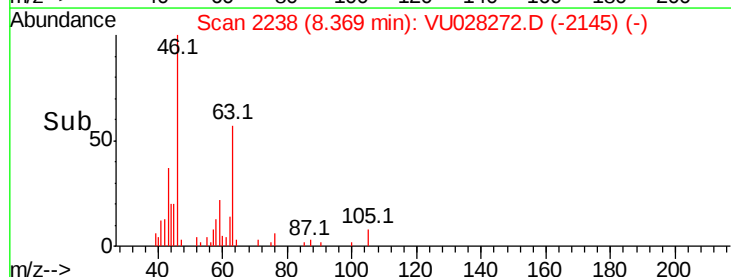
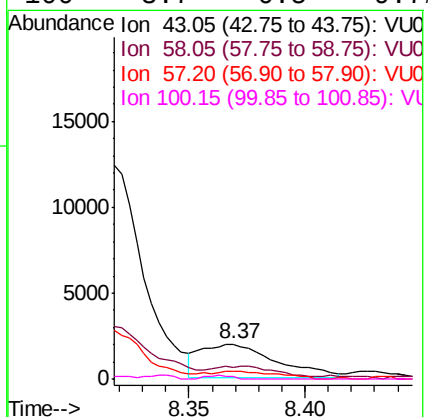
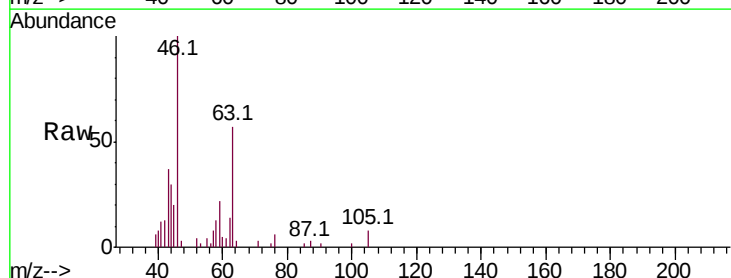
Instrument :
MSVOA_U
ClientSampled :

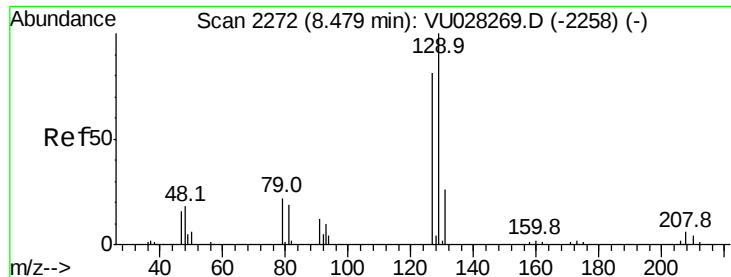
Tot Ion:164 Resp: 443
Ion Ratio Lower Upper
164 100
129 60.5 67.6 125.6#
131 89.2 66.3 123.1
166 72.2 89.2 165.6#



#48
2-Hexanone
Concen: 33.657 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VU028272.D
Acq: 20 Nov 2018 12:49

Tgt Ion: 43 Resp: 4403
Ion Ratio Lower Upper
43 100
58 25.5 41.1 61.7#
57 17.9 13.8 20.8
100 3.7 6.5 9.7#





#49

Dibromochloromethane

Concen: 3.154 ug/L

RT: 8.22 min Scan# 2192

Delta R.T. -0.26 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

Instrument :

MSVOA_U

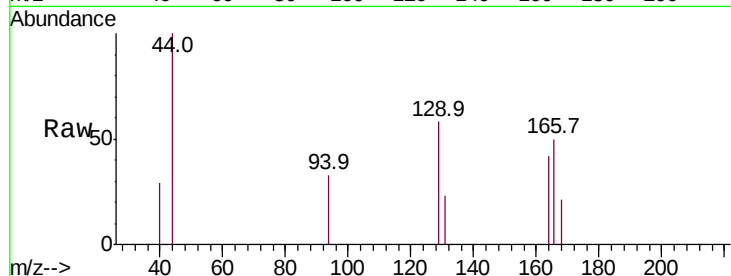
ClientSampleId :

Tot Ion:129 Resp: 495

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

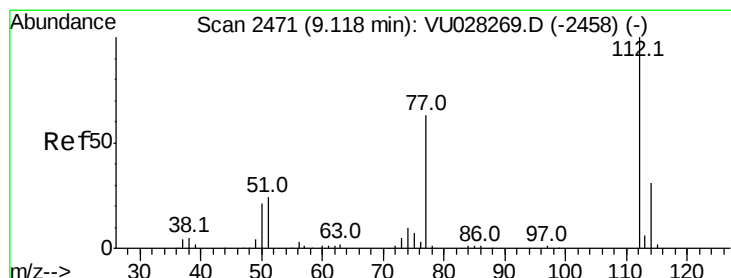
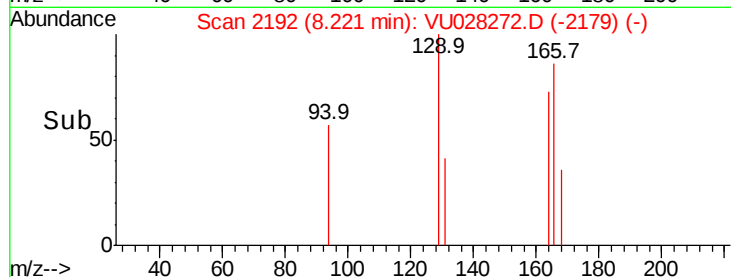
300

200

100

0

Time--> 8.18 8.20 8.22 8.24 8.26



#51

Chlorobenzene

Concen: 0.324 ug/L

RT: 9.12 min Scan# 2473

Delta R.T. 0.01 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

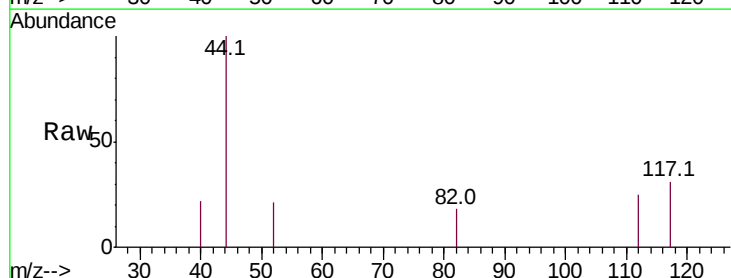
Tgt Ion:112 Resp: 170

Ion Ratio Lower Upper

112 100

114 0.0 22.3 41.5#

77 0.0 52.4 78.6#



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): VU0

200

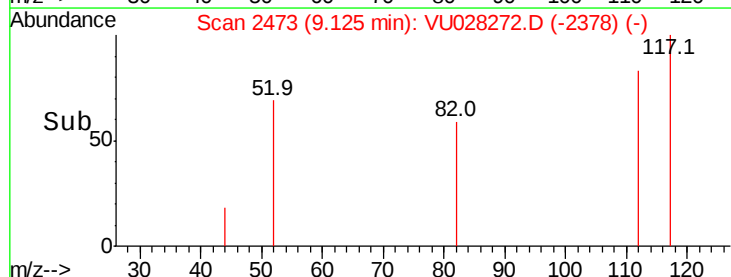
150

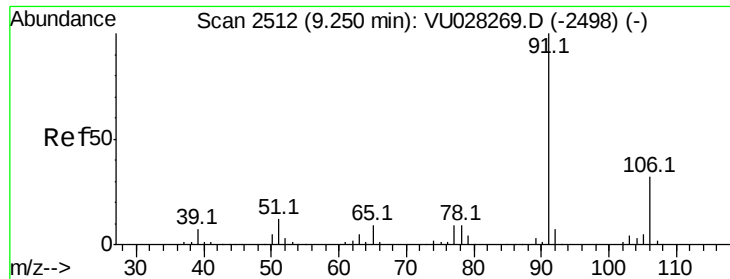
100

50

0

Time--> 9.10 9.12 9.14





#52

Ethylbenzene

Concen: 0.072 ug/L

RT: 9.27 min Scan# 2517

Delta R.T. 0.02 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

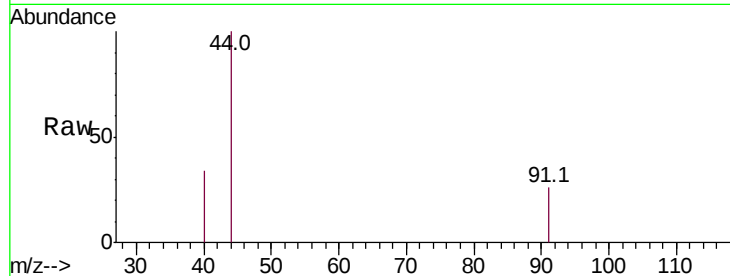
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 71

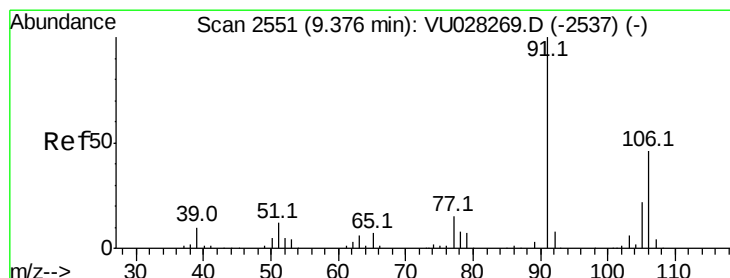
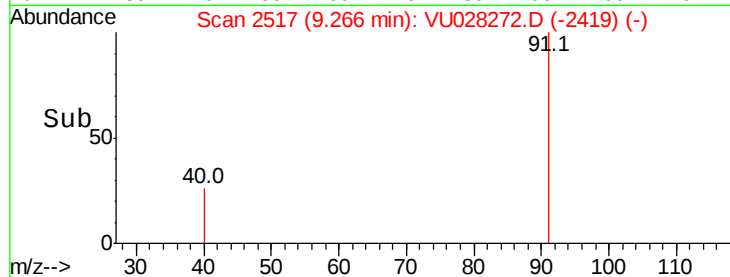
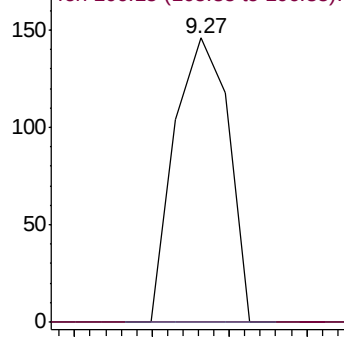
Ion Ratio Lower Upper

91 100

106 0.0 19.3 35.9#



Abundance Ion 91.15 (90.85 to 91.85): VU028269.D (-2498) (-)



#53

m,p-xylene

Concen: 0.488 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU028272.D

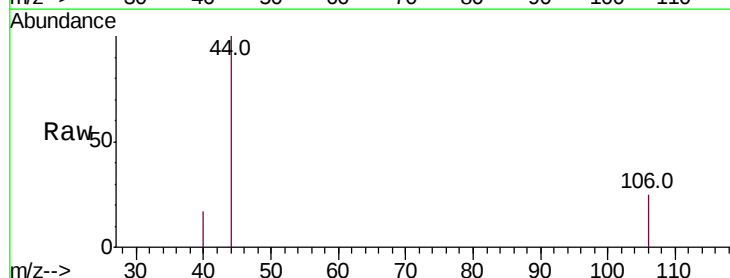
Acq: 20 Nov 2018 12:49

Tgt Ion: 106 Resp: 166

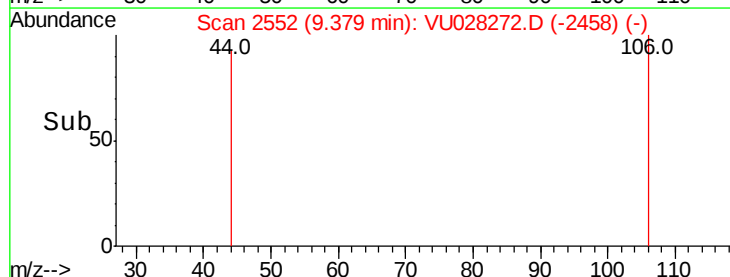
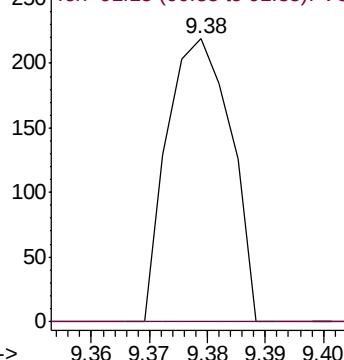
Ion Ratio Lower Upper

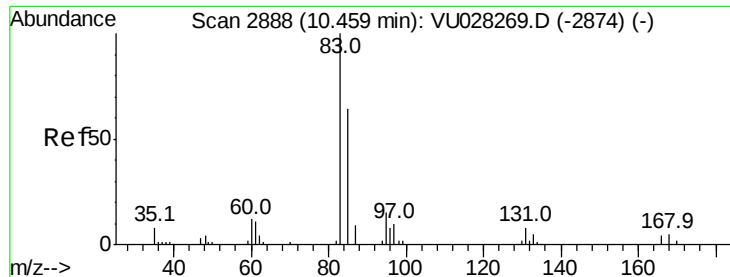
106 100

91 0.0 150.6 279.6#



Abundance Ion 106.15 (105.85 to 106.85): VU028269.D (-2537) (-)





#58

1,1,2,2-Tetrachloroethane

Concen: 0.572 ug/L

RT: 10.43 min Scan# 2880

Delta R.T. -0.03 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

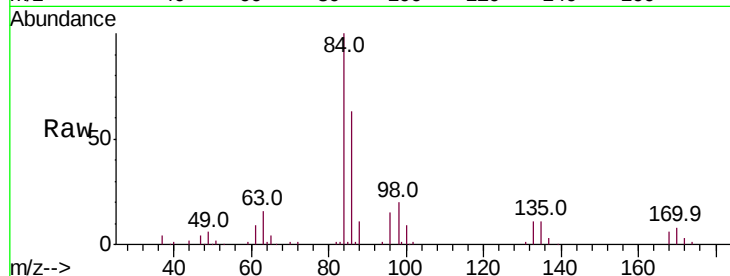
Tot Ion: 83 Resp: 114

Ion Ratio Lower Upper

83 100

85 191.3 46.1 85.5#

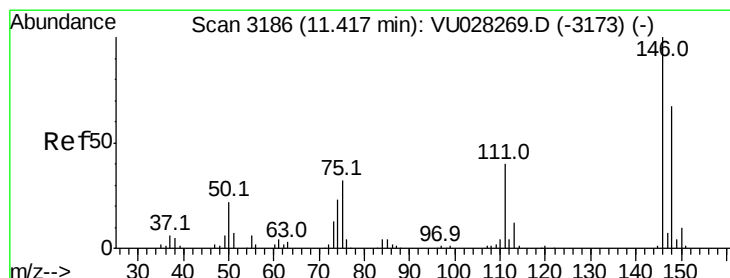
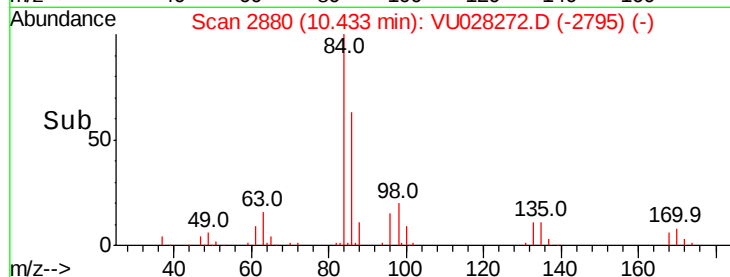
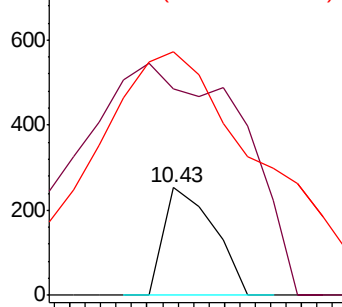
131 226.1 6.2 9.2#



Abundance Ion 82.95 (82.65 to 83.65): VU028269.D (-2874) (-)

Ion 85.00 (84.70 to 85.70): VU028269.D (-2874) (-)

Ion 130.95 (130.65 to 131.65): VU028269.D (-2874) (-)



#62

1,3-Dichlorobenzene

Concen: 0.163 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

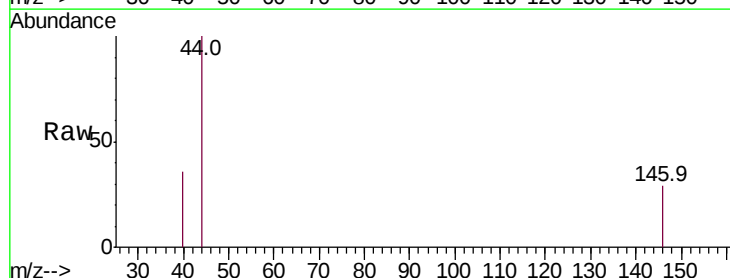
Tgt Ion: 146 Resp: 116

Ion Ratio Lower Upper

146 100

111 0.0 30.4 56.4#

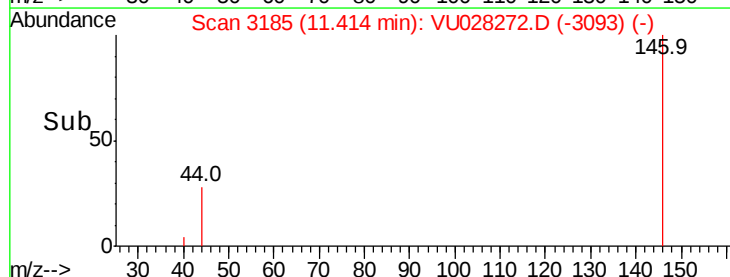
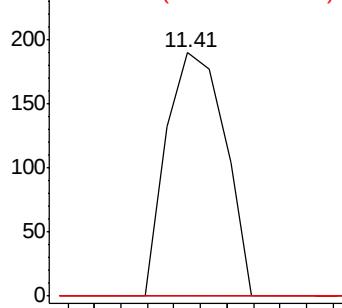
148 0.0 45.3 84.1#

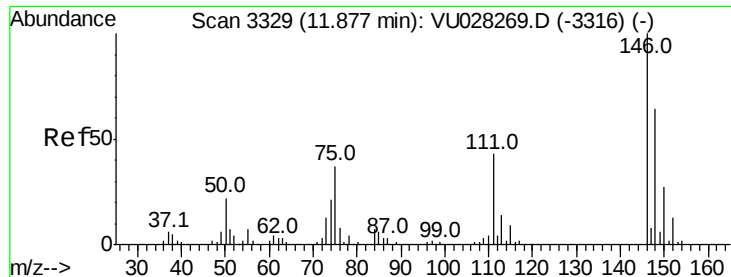


Abundance Ion 145.95 (145.65 to 146.65): VU028269.D (-3173) (-)

Ion 111.00 (110.70 to 111.70): VU028269.D (-3173) (-)

Ion 148.00 (147.70 to 148.70): VU028269.D (-3173) (-)





#65

1,2-Dichlorobenzene

Concen: 0.146 ug/L

RT: 11.87 min Scan# 3326

Delta R.T. -0.01 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

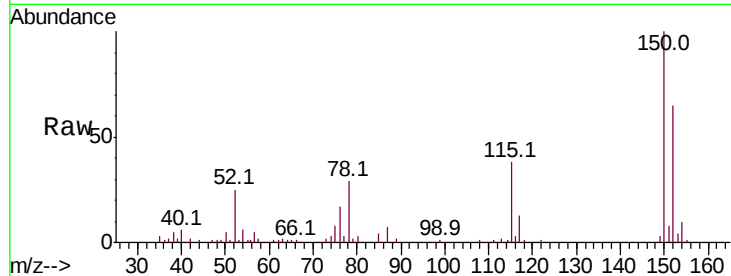
Tot Ion:146 Resp: 102

Ion Ratio Lower Upper

146 100

111 371.2 34.7 52.1#

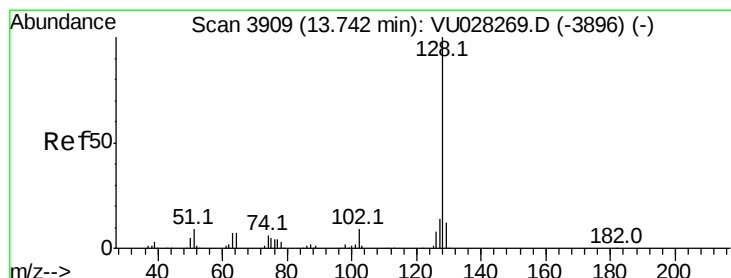
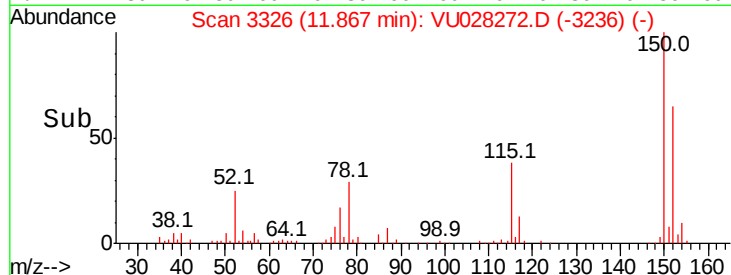
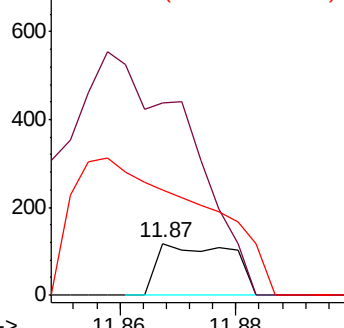
148 204.2 51.2 76.8#



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



#69

Naphthalene

Concen: 0.086 ug/L

RT: 13.79 min Scan# 3923

Delta R.T. 0.04 min

Lab File: VU028272.D

Acq: 20 Nov 2018 12:49

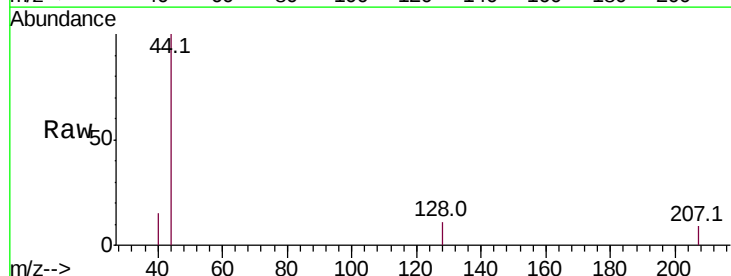
Tgt Ion:128 Resp: 70

Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

127 0.0 10.7 16.1#



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

