

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028787.D
 Acq On : 19 Dec 2018 12:31
 Operator : MD/SY
 Sample : J6474-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-EB-2018-2

Quant Time: Dec 20 03:19:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	126020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	213887	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	190795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78057	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	83035	43.18	ug/l	0.00
Spiked Amount			Recovery	=	86.36%	
35) Dibromofluoromethane	4.88	113	68691	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	7.57	98	267233	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	10.30	95	84532	42.48	ug/l	0.00
Spiked Amount			Recovery	=	84.96%	

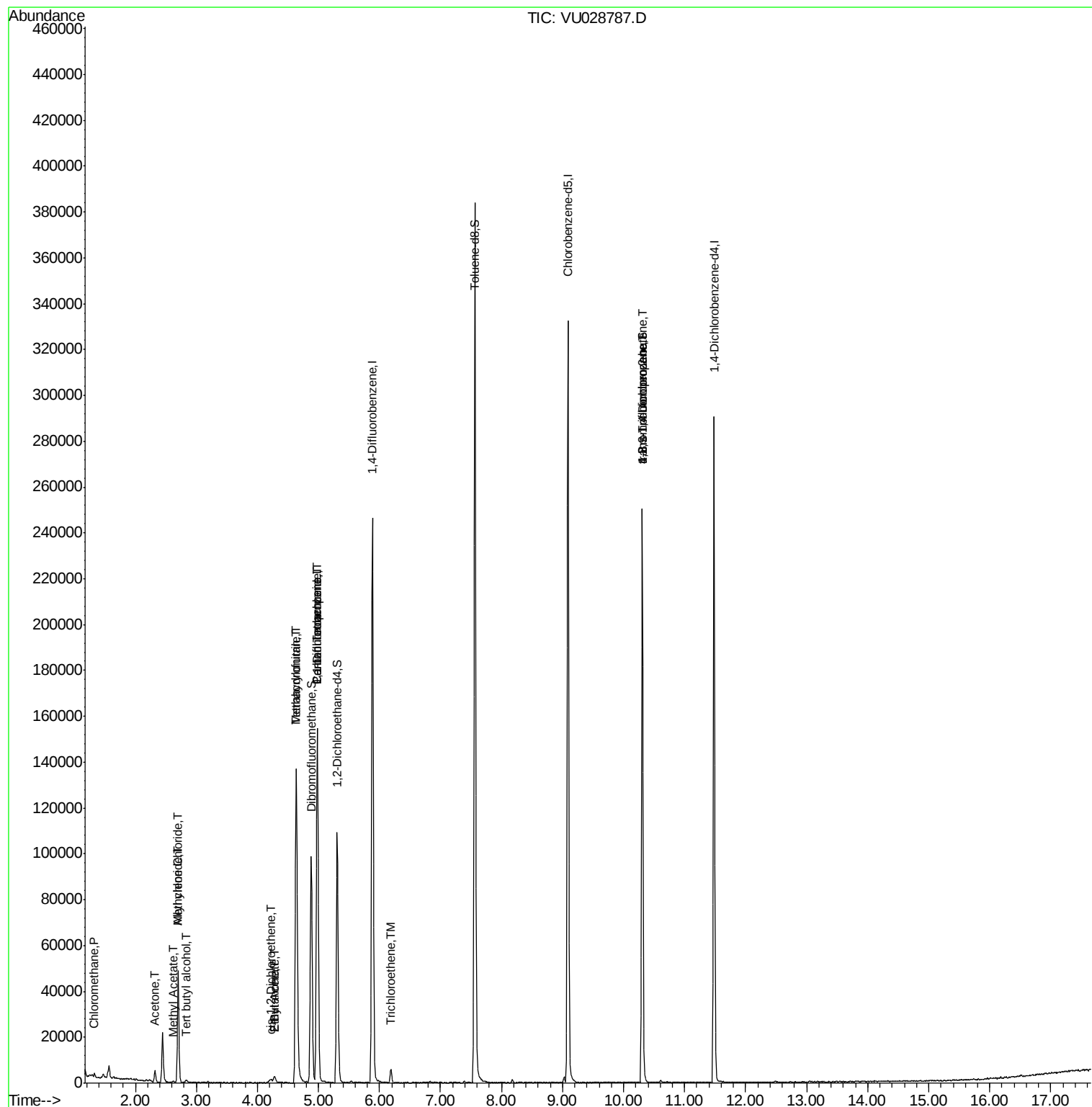
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1358	0.437	ug/l #	85
11) Tert butyl alcohol	2.83	59	1058	2.469	ug/l #	73
14) Allyl chloride	2.70	41	778	0.234	ug/l #	27
16) Acetone	2.32	43	5646	4.499	ug/l	98
18) Methyl Acetate	2.62	43	748	0.230	ug/l #	67
20) Methylene Chloride	2.70	84	21605	11.679	ug/l	87
25) 2-Butanone	4.28	43	5521	3.219	ug/l	92
27) cis-1,2-Dichloroethene	4.23	96	514	0.287	ug/l	51
29) Tetrahydrofuran	4.64	42	105286	95.589	ug/l	90
31) Cyclohexane	4.98	56	2296	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9348	3.994	ug/l #	47
37) Ethyl Acetate	4.28	43	5521	1.825	ug/l #	70
38) Carbon Tetrachloride	4.98	117	10997	5.829	ug/l #	15
41) Methacrylonitrile	4.64	41	57024	34.415	ug/l #	44
44) Trichloroethene	6.19	130	2245	1.465	ug/l	82
76) 1,2,3-Trichloropropane	10.30	75	41239	20.690	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	41239	50.860	ug/l #	100

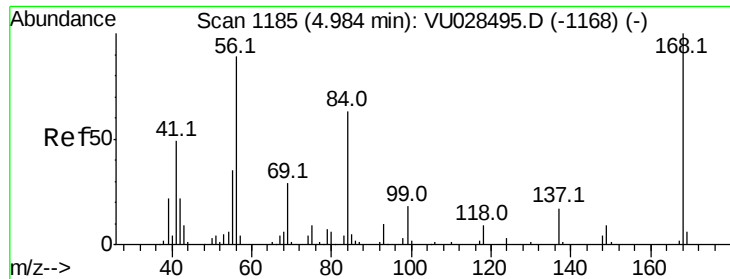
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 07 00:39:42 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028787.D

Acq: 19 Dec 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

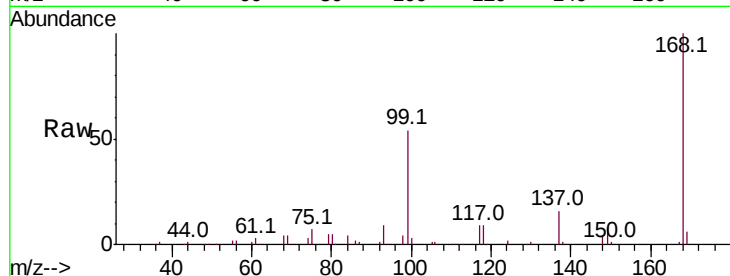
S49-EB-2018-2

Tot Ion:168 Resp: 126020

Ion Ratio Lower Upper

168 100

99 54.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

60000

50000

40000

30000

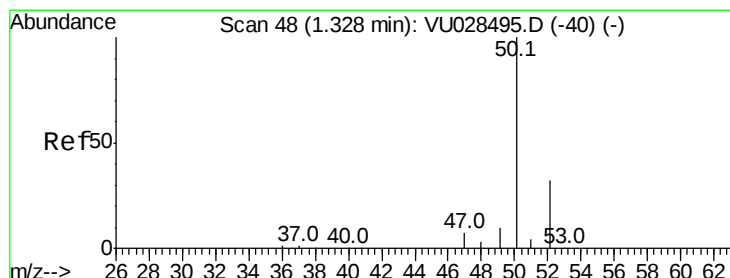
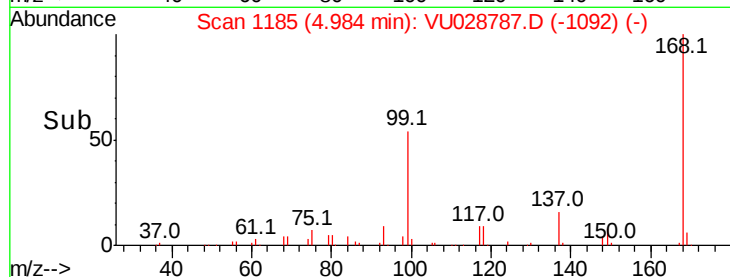
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.437 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028787.D

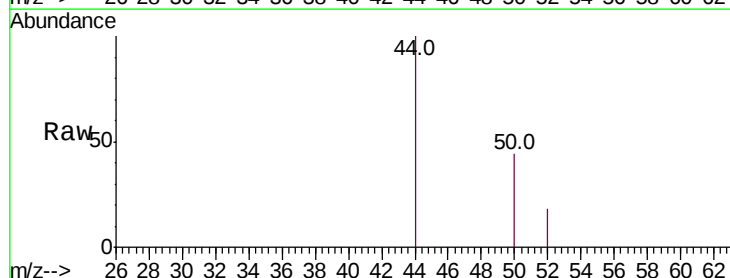
Acq: 19 Dec 2018 12:31

Tgt Ion: 50 Resp: 1358

Ion Ratio Lower Upper

50 100

52 40.4 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

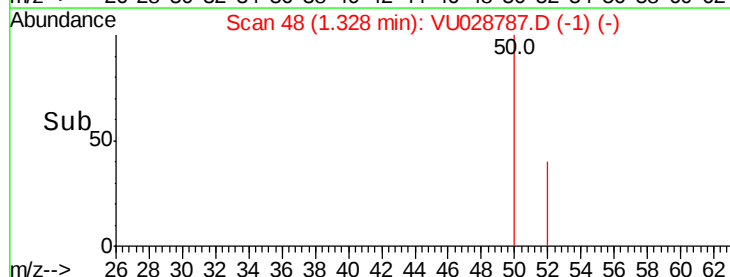
1000

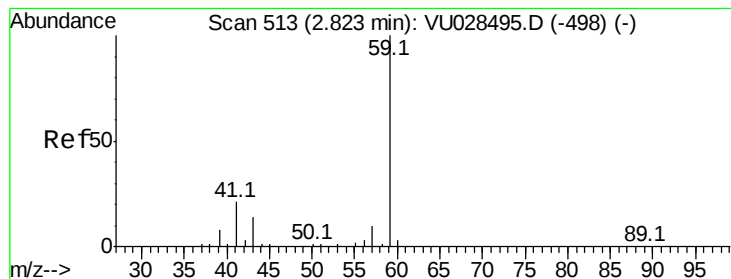
500

0

1.30 1.32 1.34 1.36

Time-->



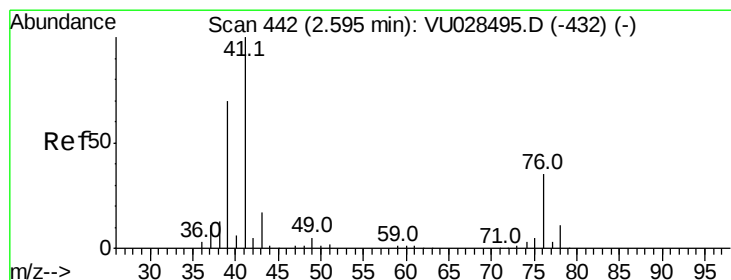
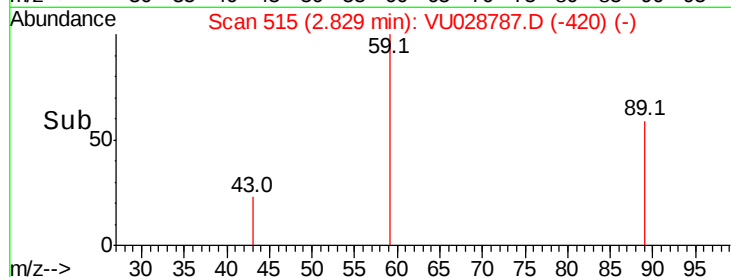
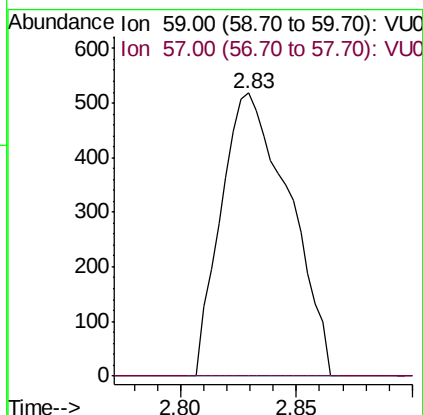
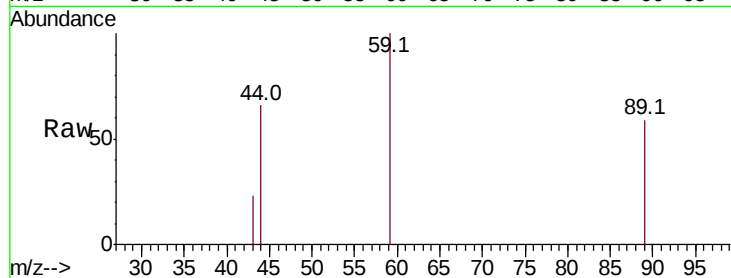


#11

Tert butyl alcohol
 Concen: 2.469 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028787.D
 Acq: 19 Dec 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-EB-2018-2

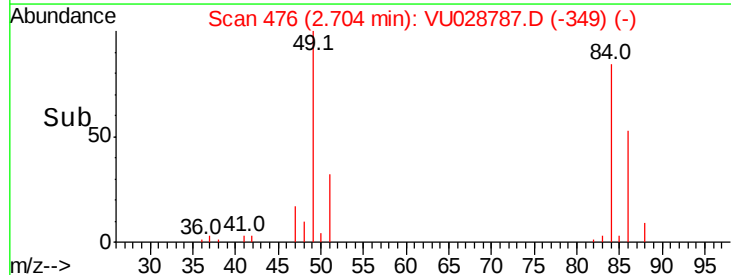
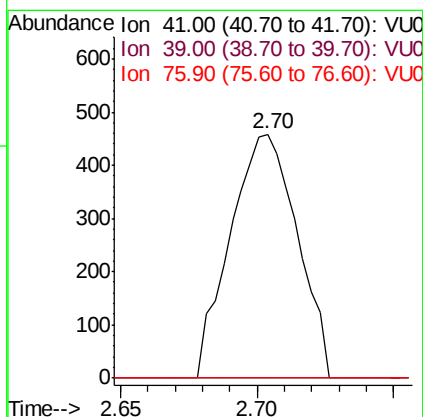
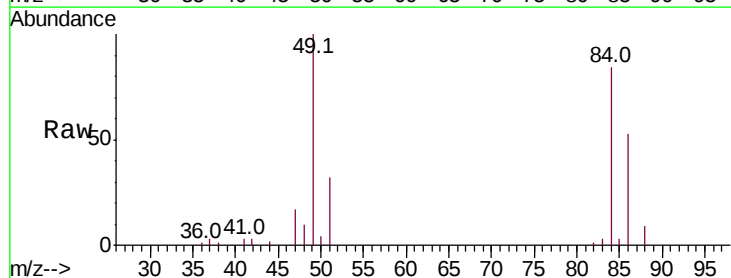
Tot Ion: 59 Resp: 1058
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

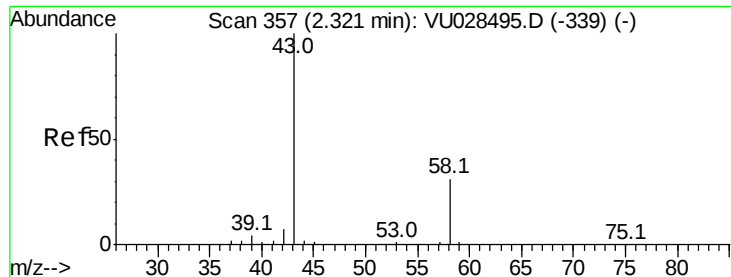


#14

Allyl chloride
 Concen: 0.234 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.11 min
 Lab File: VU028787.D
 Acq: 19 Dec 2018 12:31

Tgt Ion: 41 Resp: 778
 Ion Ratio Lower Upper
 41 100
 39 0.0 50.8 76.2#
 76 0.0 24.8 37.2#





#16

Acetone

Concen: 4.499 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028787.D

Acq: 19 Dec 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

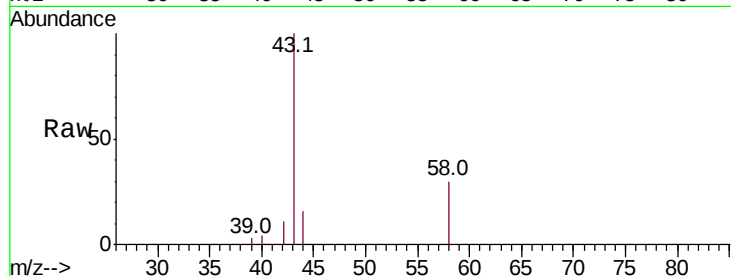
S49-EB-2018-2

Tot Ion: 43 Resp: 5646

Ion Ratio Lower Upper

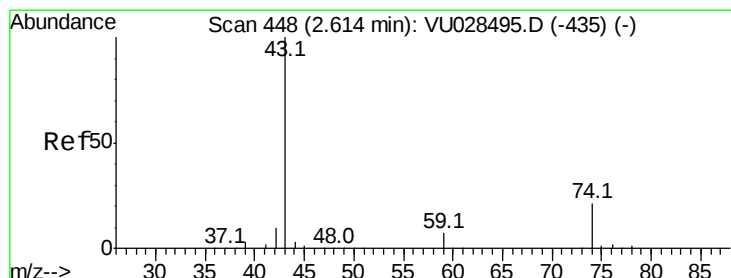
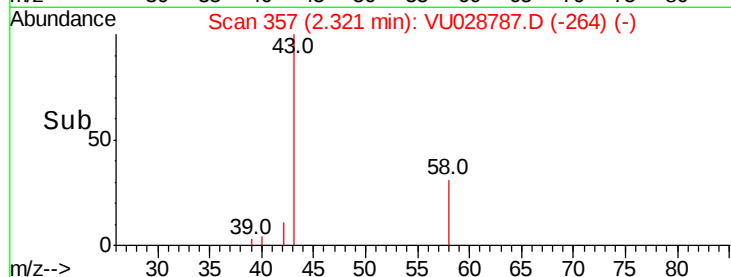
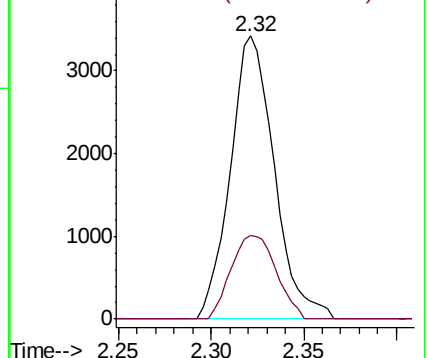
43 100

58 29.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.230 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028787.D

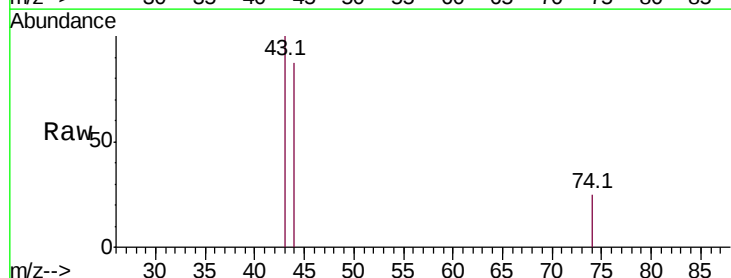
Acq: 19 Dec 2018 12:31

Tgt Ion: 43 Resp: 748

Ion Ratio Lower Upper

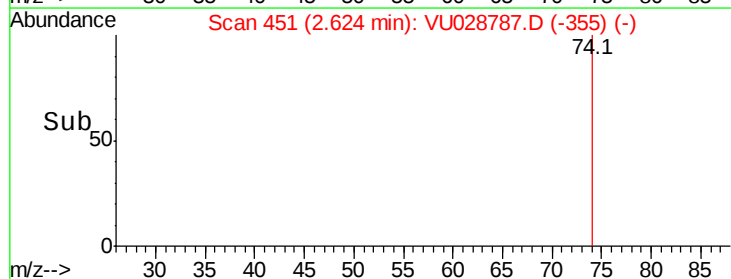
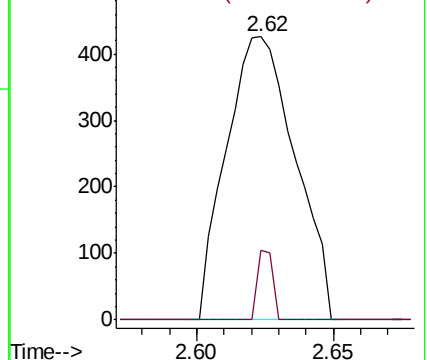
43 100

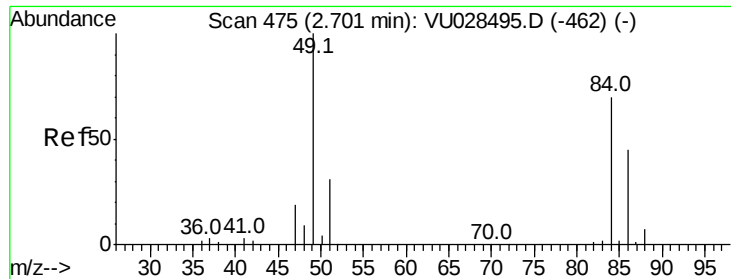
74 5.3 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

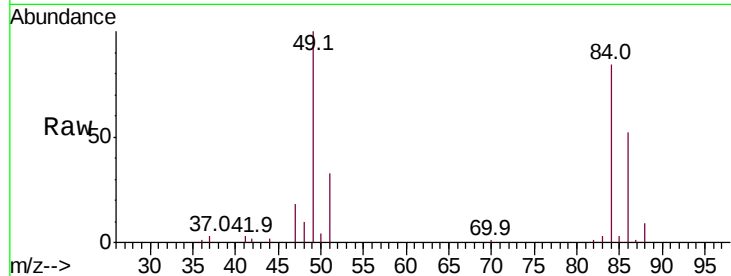




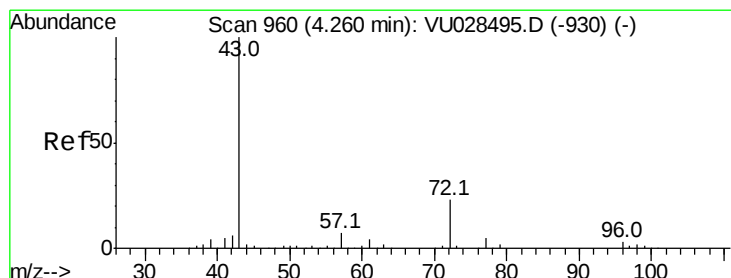
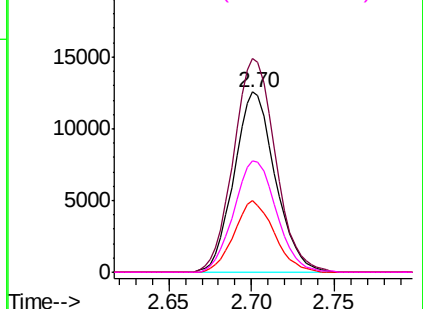
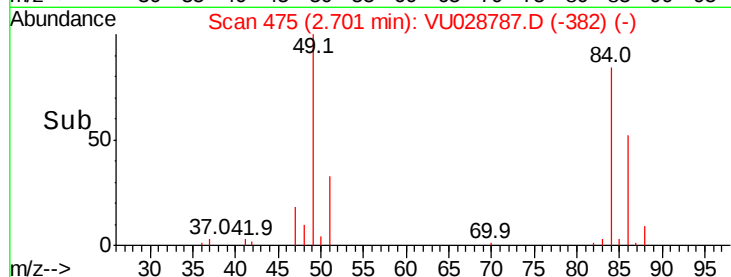
#20
Methvlene Chloride
Concen: 11.679 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028787.D
Acq: 19 Dec 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
S49-EB-2018-2

Tot Ion: 84 Resp: 21605
Ion Ratio Lower Upper
84 100
49 118.6 114.0 171.0
51 39.6 35.1 52.7
86 62.1 51.0 76.6

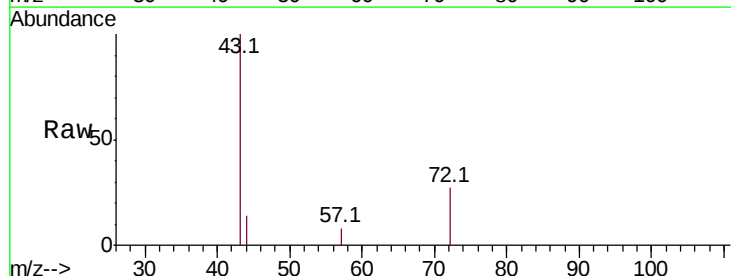


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

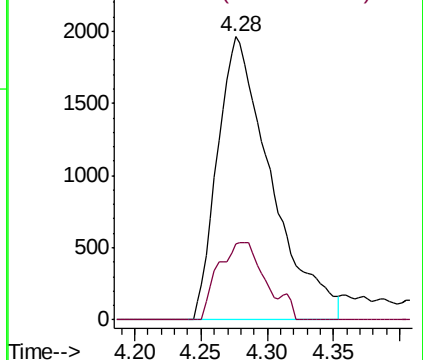
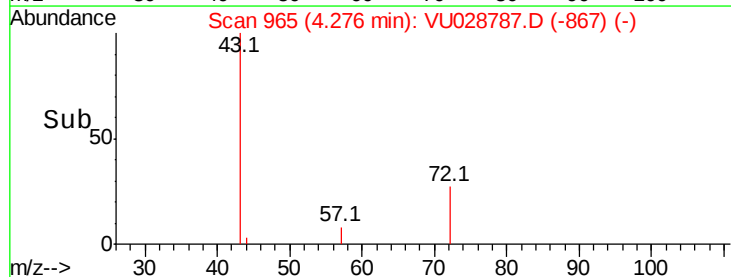


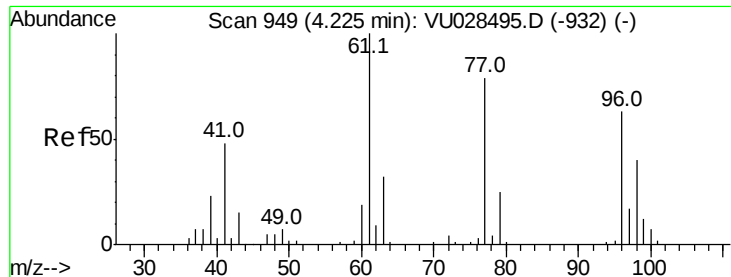
#25
2-Butanone
Concen: 3.219 ug/l
RT: 4.28 min Scan# 965
Delta R.T. 0.02 min
Lab File: VU028787.D
Acq: 19 Dec 2018 12:31

Tgt Ion: 43 Resp: 5521
Ion Ratio Lower Upper
43 100
72 27.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0



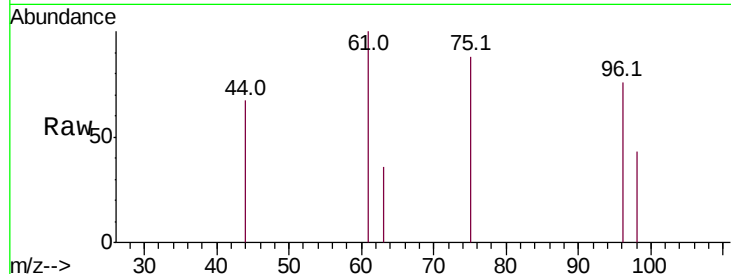


#27

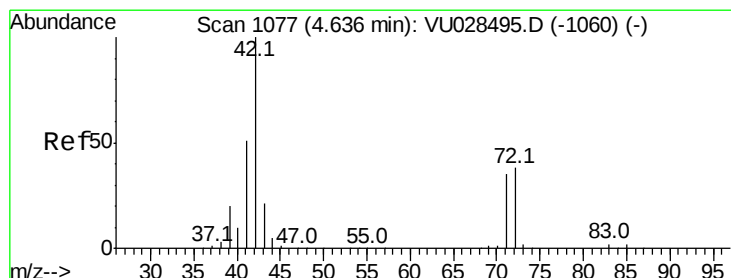
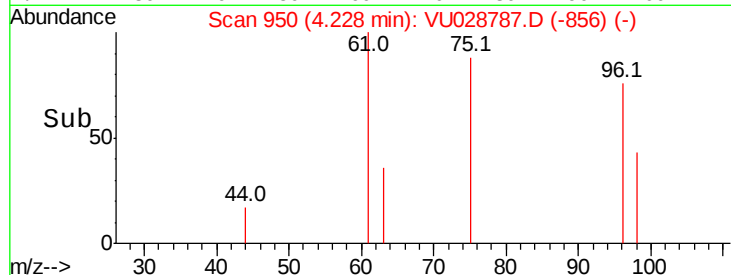
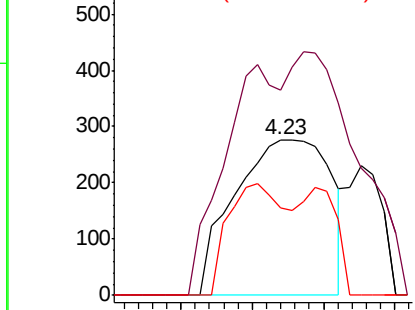
cis-1,2-Dichloroethene
 Concen: 0.287 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028787.D
 Acq: 19 Dec 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-EB-2018-2

Tot Ion: 96 Resp: 514
 Ion Ratio Lower Upper
 96 100
 61 88.9 0.0 332.4
 98 43.6 0.0 129.0



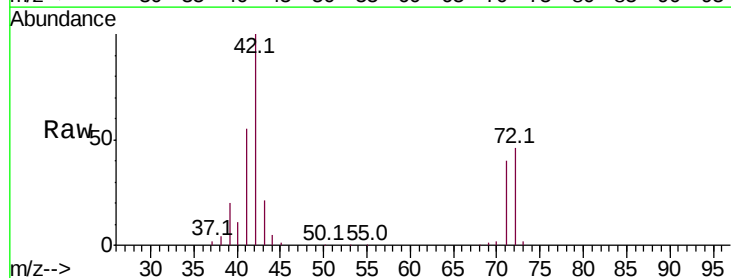
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



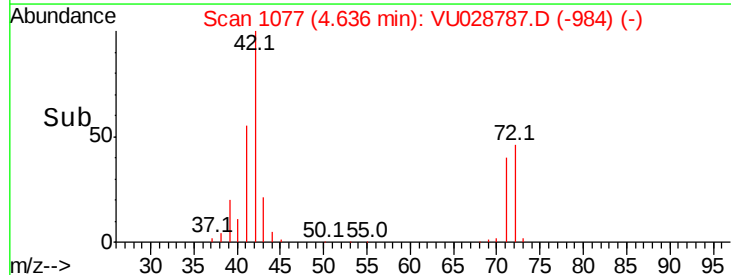
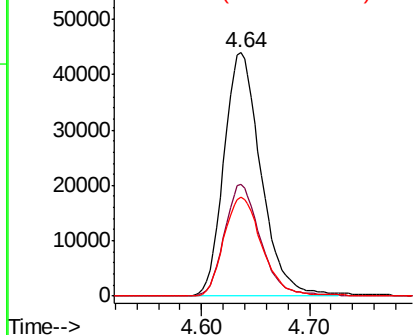
#29

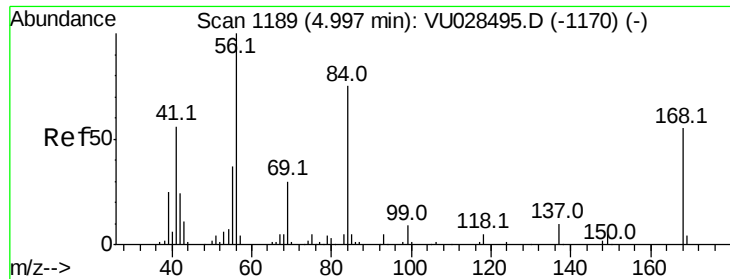
Tetrahydrofuran
 Concen: 95.589 ug/l
 RT: 4.64 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VU028787.D
 Acq: 19 Dec 2018 12:31

Tgt Ion: 42 Resp: 105286
 Ion Ratio Lower Upper
 42 100
 72 44.4 31.4 47.0
 71 42.0 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0

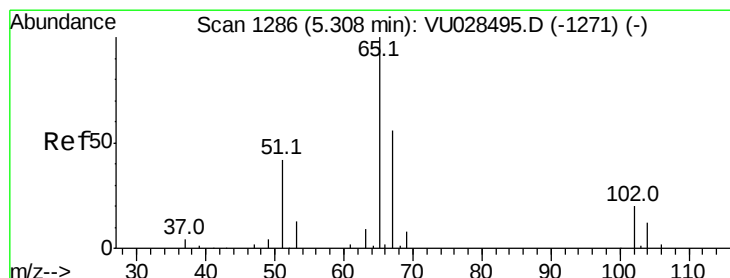
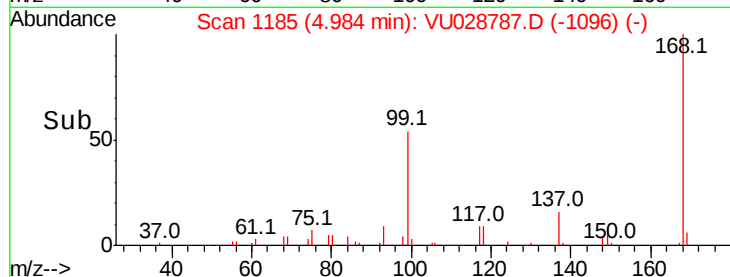
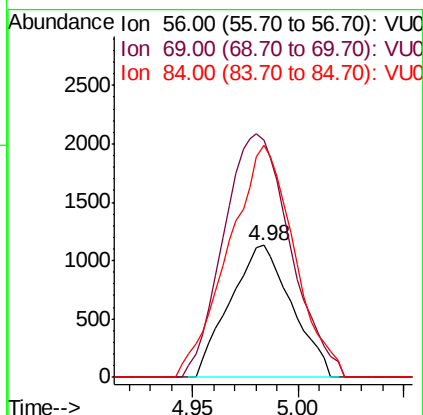
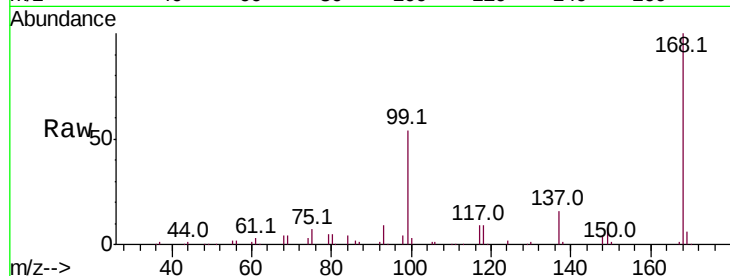




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028787.D
Acq: 19 Dec 2018 12:31

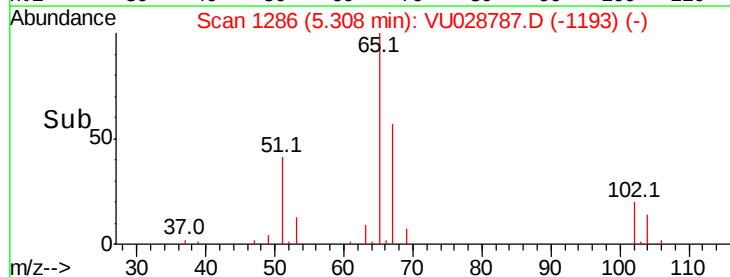
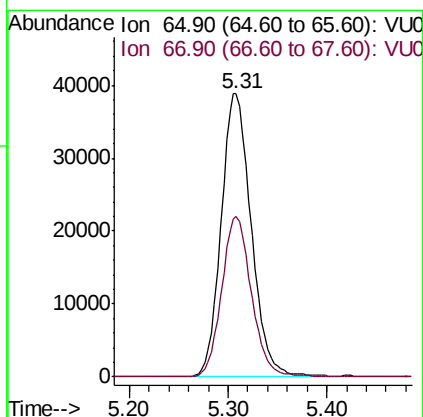
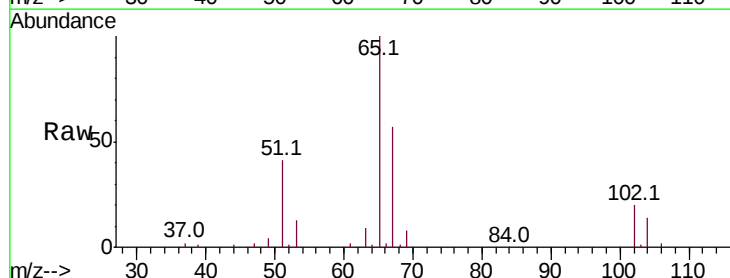
Instrument :
MSVOA_U
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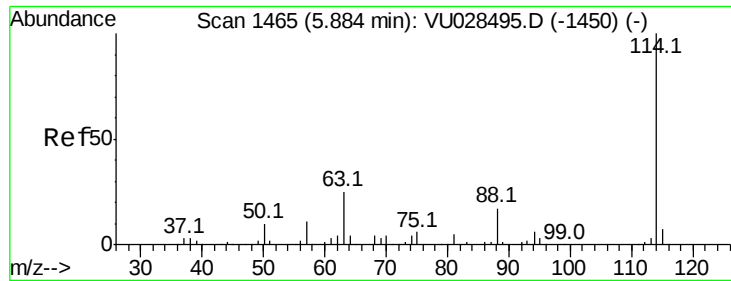
Tot Ion: 56 Resp: 2296
Ion Ratio Lower Upper
56 100
69 170.8 24.0 36.0#
84 163.2 59.7 89.5#



#33
1,2-Dichloroethane-d4
Concen: 43.177 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028787.D
Acq: 19 Dec 2018 12:31

Tgt Ion: 65 Resp: 83035
Ion Ratio Lower Upper
65 100
67 55.9 0.0 110.6

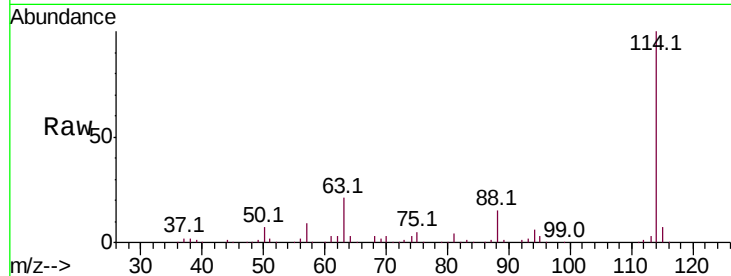




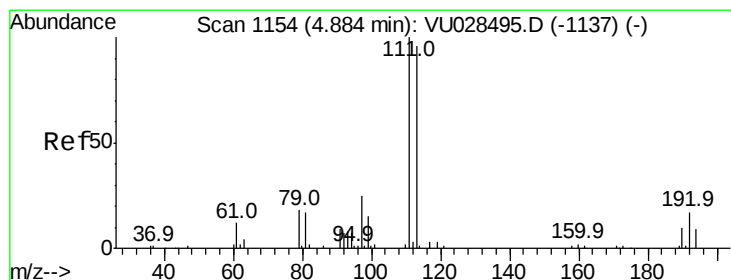
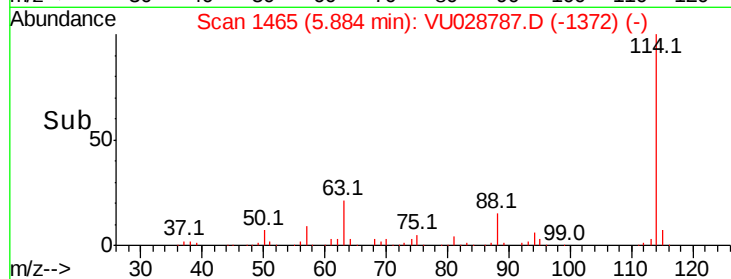
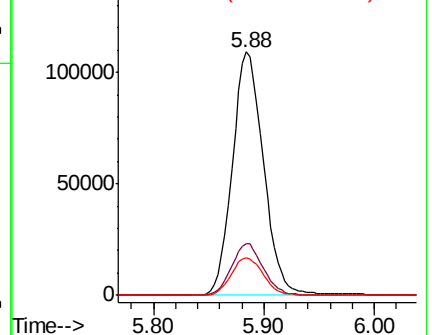
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028787.D
 Acq: 19 Dec 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-EB-2018-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	49.2
88	15.4	0.0	33.4

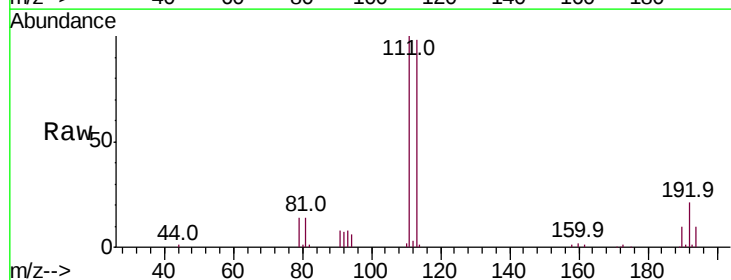


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

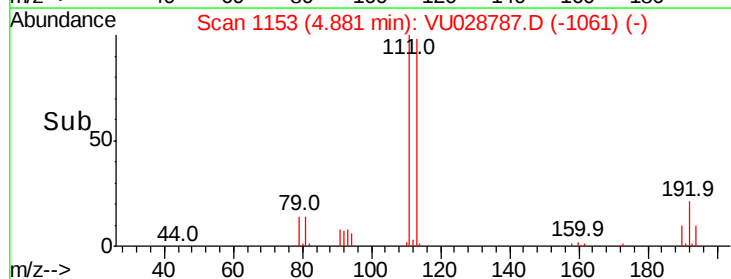
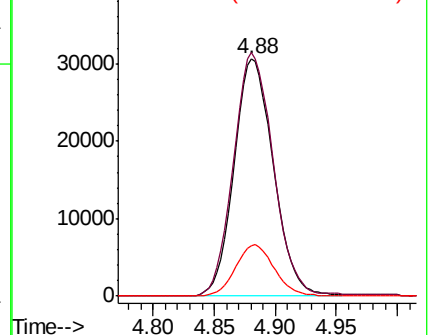


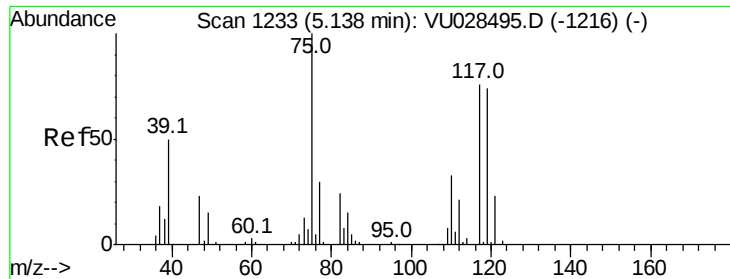
#35
 Dibromofluoromethane
 Concen: 51.033 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028787.D
 Acq: 19 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.4	125.0
192	21.2	14.8	22.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

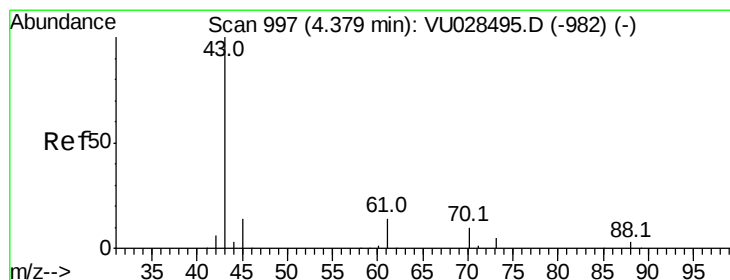
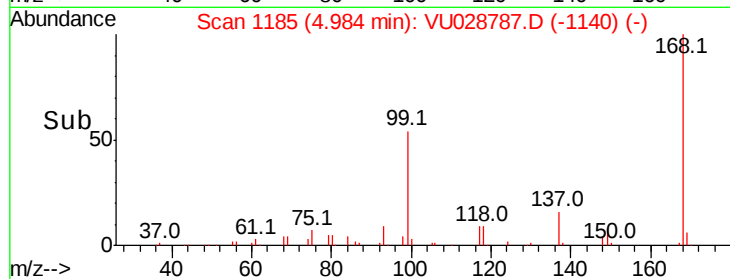
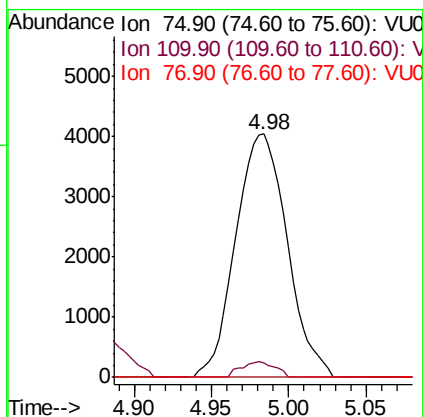
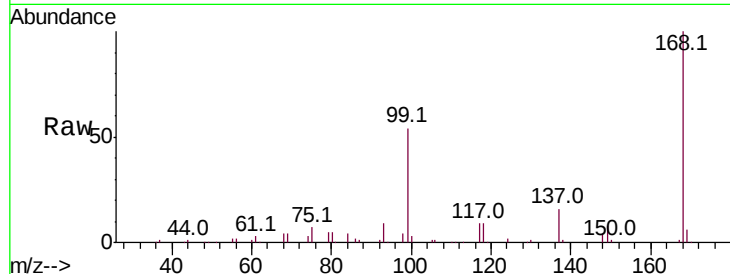




#36
 1,1-Dichloropropene
 Concen: 3.994 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028787.D
 Acq: 19 Dec 2018 12:31

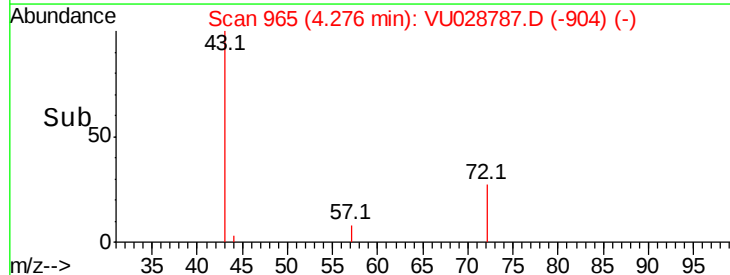
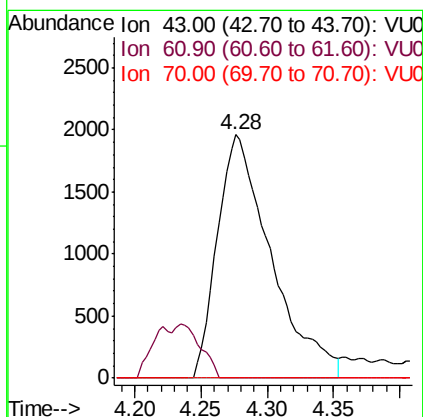
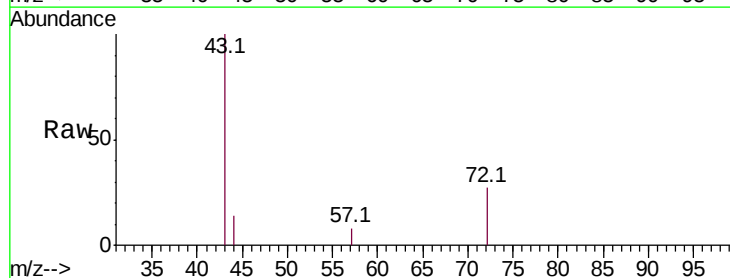
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-EB-2018-2

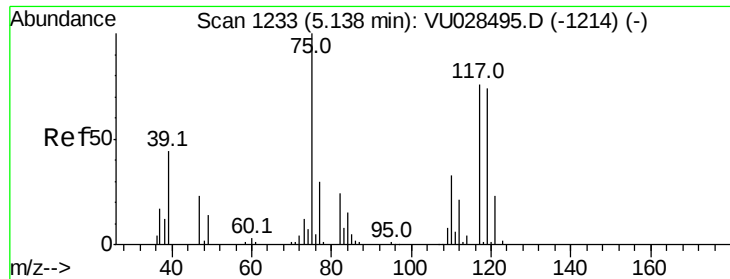
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.2	16.1	48.2#
77	0.0	24.5	36.7#



#37
 Ethyl Acetate
 Concen: 1.825 ug/l
 RT: 4.28 min Scan# 965
 Delta R.T. -0.10 min
 Lab File: VU028787.D
 Acq: 19 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	0.0	7.4	11.0#





#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028787.D

Acq: 19 Dec 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

S49-EB-2018-2

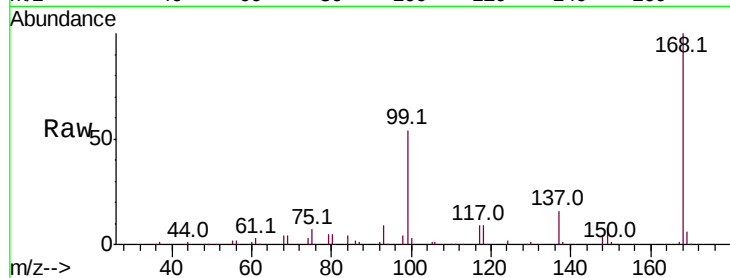
Tot Ion:117 Resp: 10997

Ion Ratio Lower Upper

117 100

119 4.0 77.6 116.4#

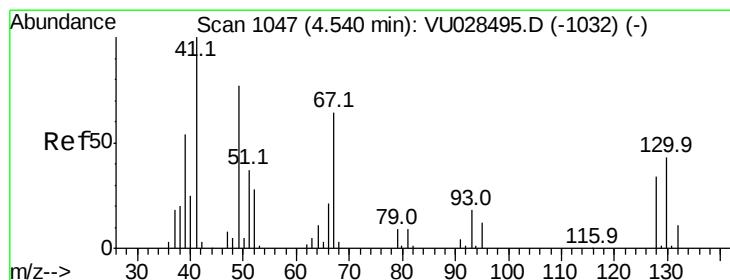
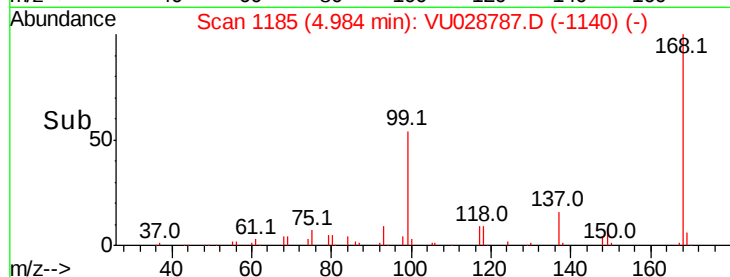
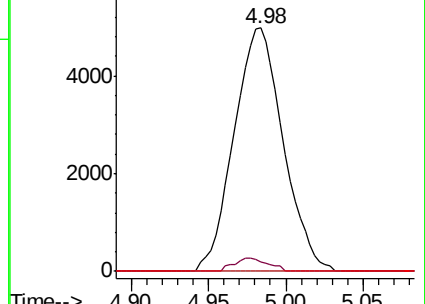
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 34.415 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.10 min

Lab File: VU028787.D

Acq: 19 Dec 2018 12:31

Tgt Ion: 41 Resp: 57024

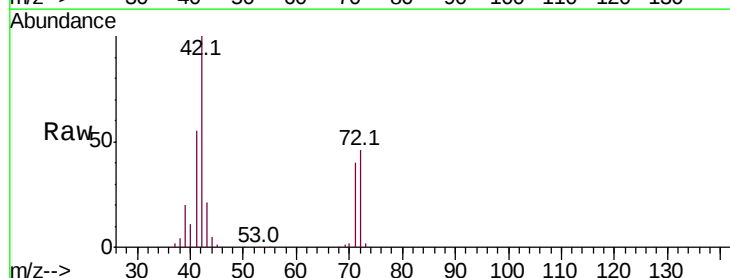
Ion Ratio Lower Upper

41 100

39 37.0 43.3 64.9#

67 0.0 53.6 80.4#

52 0.0 22.1 33.1#

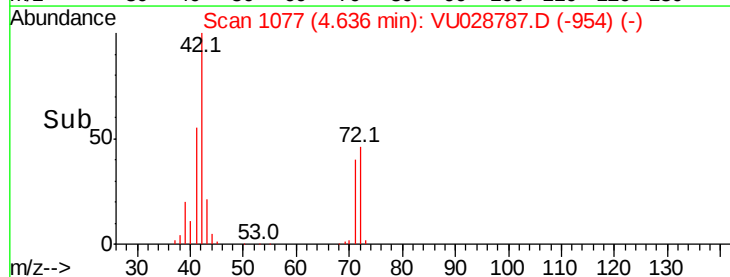
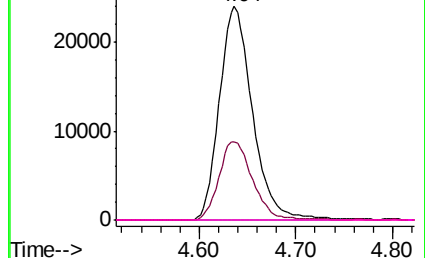


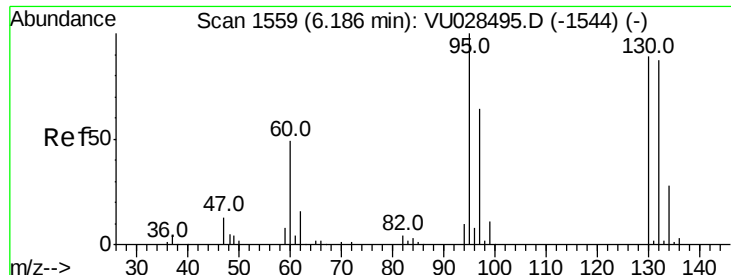
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#44

Trichloroethene

Concen: 1.465 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028787.D

Acq: 19 Dec 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

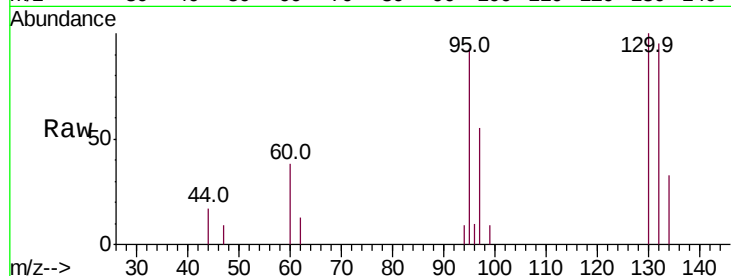
S49-EB-2018-2

Tot Ion:130 Resp: 2245

Ion Ratio Lower Upper

130 100

95 92.6 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)

6.19

1500

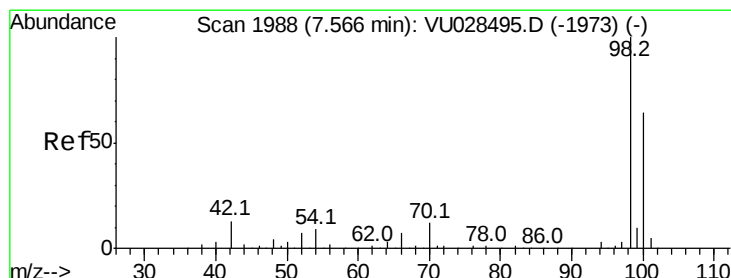
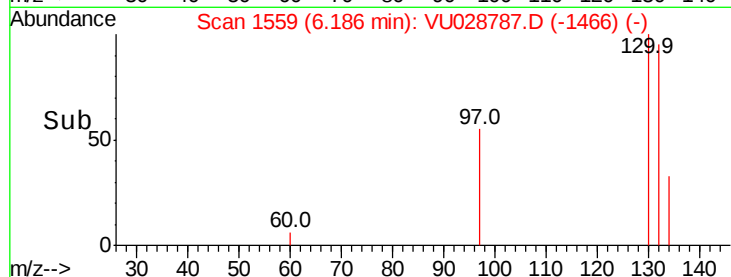
1000

500

0

6.15 6.20

Time-->



#50

Toluene-d8

Concen: 50.189 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028787.D

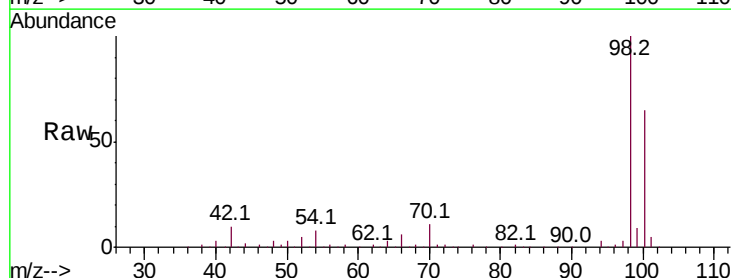
Acq: 19 Dec 2018 12:31

Tgt Ion: 98 Resp: 267233

Ion Ratio Lower Upper

98 100

100 64.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

150000

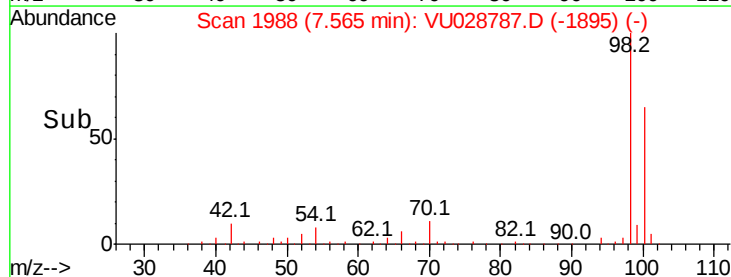
100000

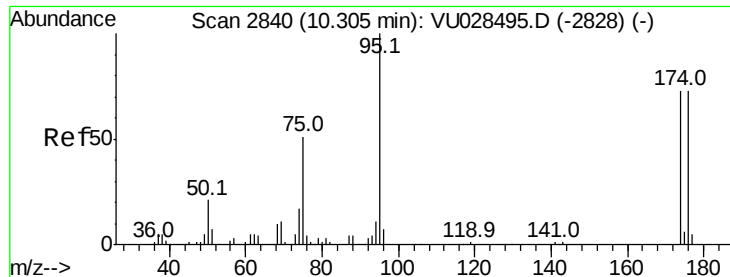
50000

0

7.50 7.60 7.70

Time-->





#62

4-Bromofluorobenzene

Concen: 42.476 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028787.D

Acq: 19 Dec 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

S49-EB-2018-2

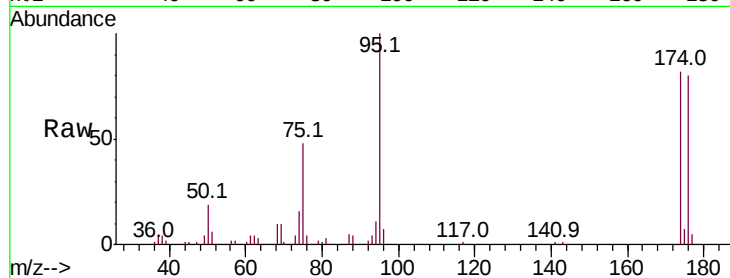
Tot Ion: 95 Resp: 84532

Ion Ratio Lower Upper

95 100

174 83.7 0.0 150.4

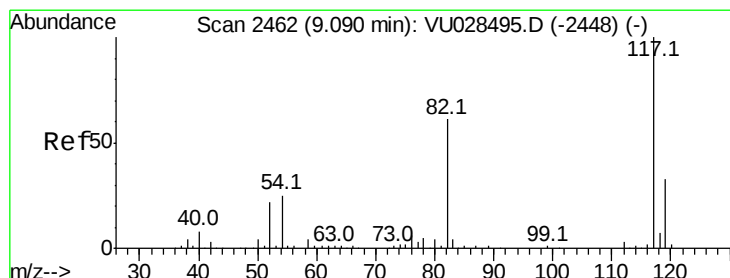
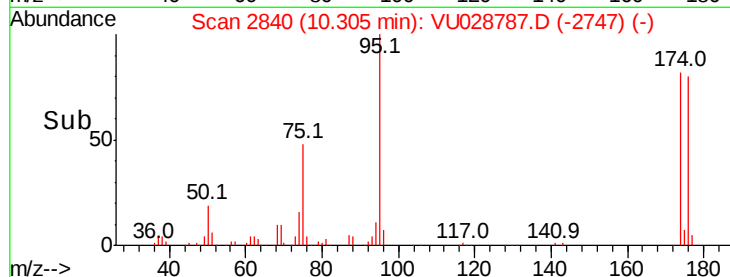
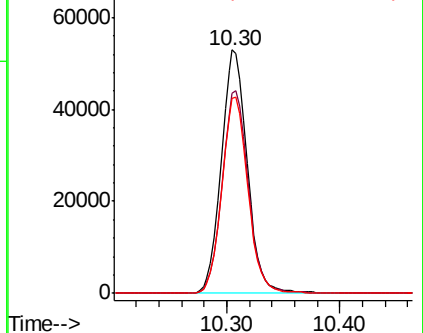
176 80.7 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028787.D

Acq: 19 Dec 2018 12:31

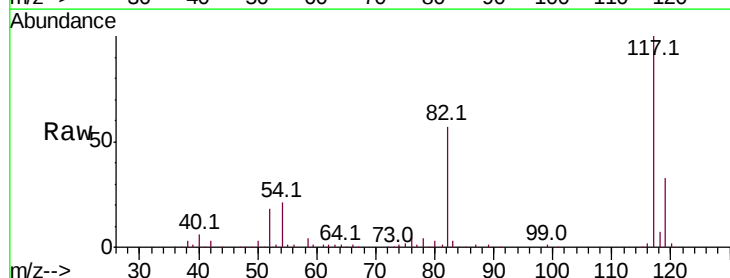
Tgt Ion: 117 Resp: 190795

Ion Ratio Lower Upper

117 100

82 57.3 48.9 73.3

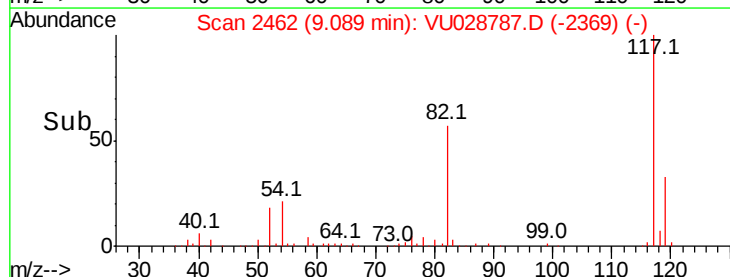
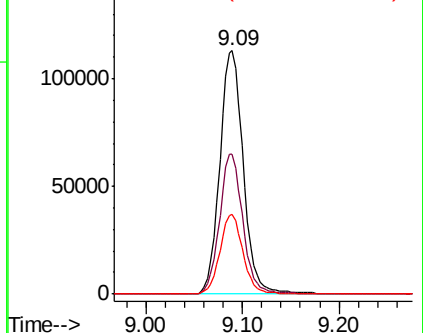
119 32.6 26.2 39.4

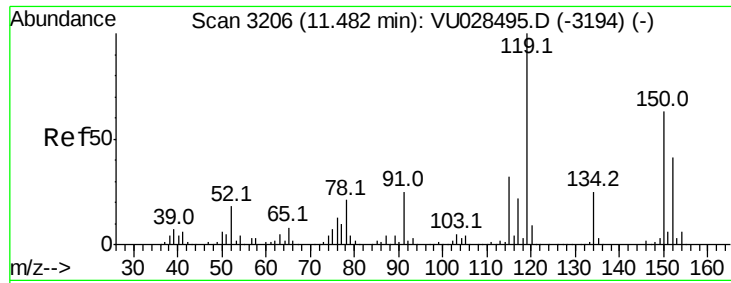


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028787.D

Acq: 19 Dec 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

S49-EB-2018-2

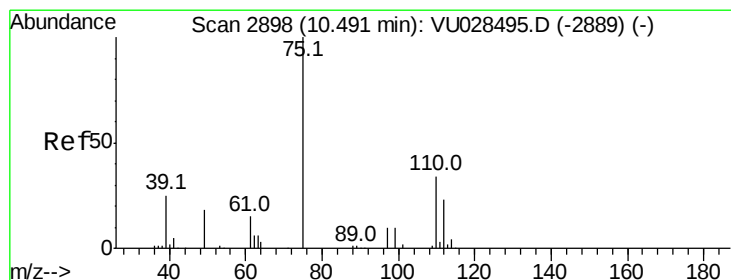
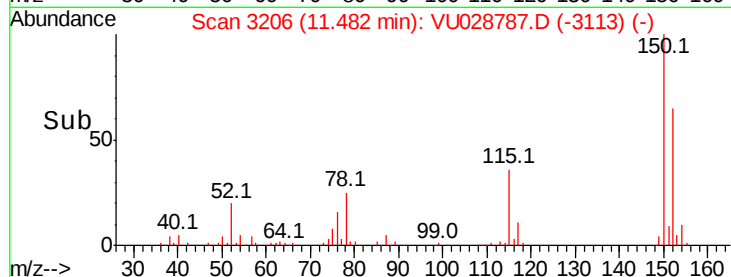
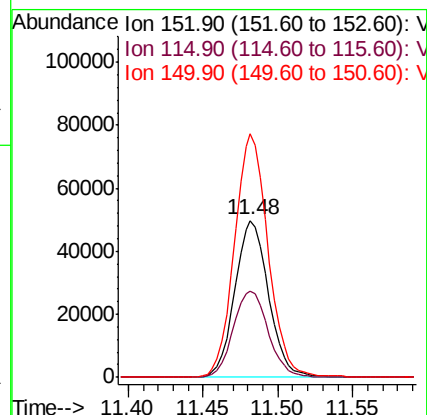
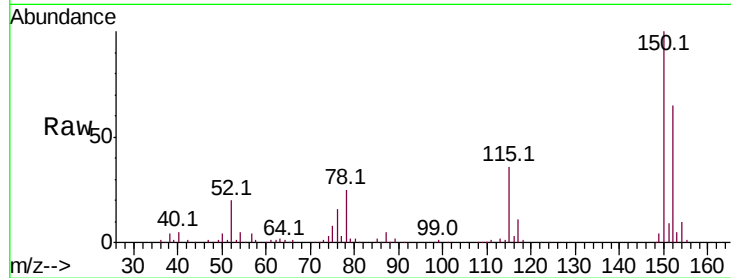
Tot Ion:152 Resp: 78057

Ion Ratio Lower Upper

152 100

115 57.1 42.7 128.1

150 155.0 0.0 346.0



#76

1,2,3-Trichloropropane

Concen: 20.690 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028787.D

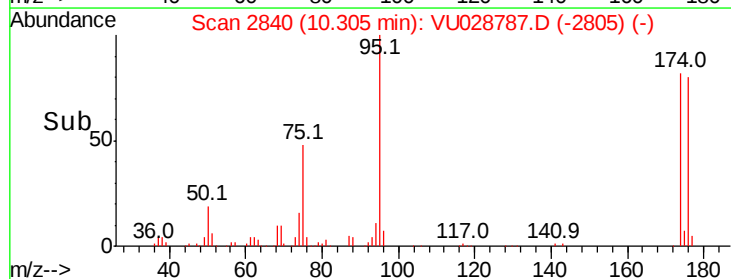
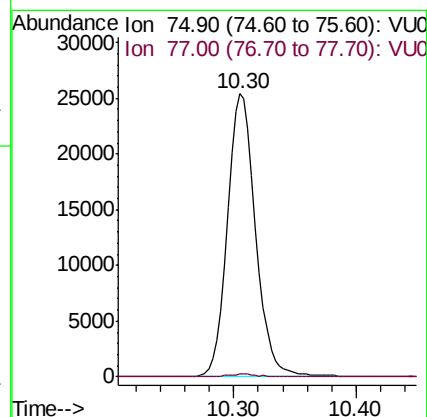
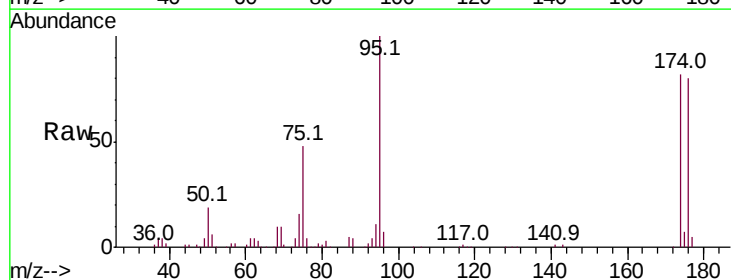
Acq: 19 Dec 2018 12:31

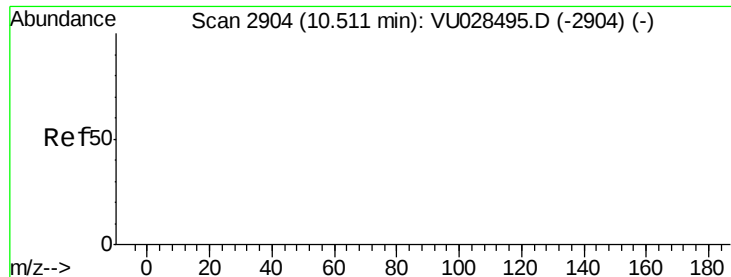
Tgt Ion: 75 Resp: 41239

Ion Ratio Lower Upper

75 100

77 0.9 20.8 62.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 50.860 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028787.D

Acq: 19 Dec 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

S49-EB-2018-2

Tot Ion: 75 Resp: 41239

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

