

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U082922\
 Data File : VU050487.D
 Acq On : 29 Aug 2022 16:12
 Operator : SY/MD
 Sample : N4399-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBUZ1

Quant Time: Aug 30 02:16:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 30 02:11:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

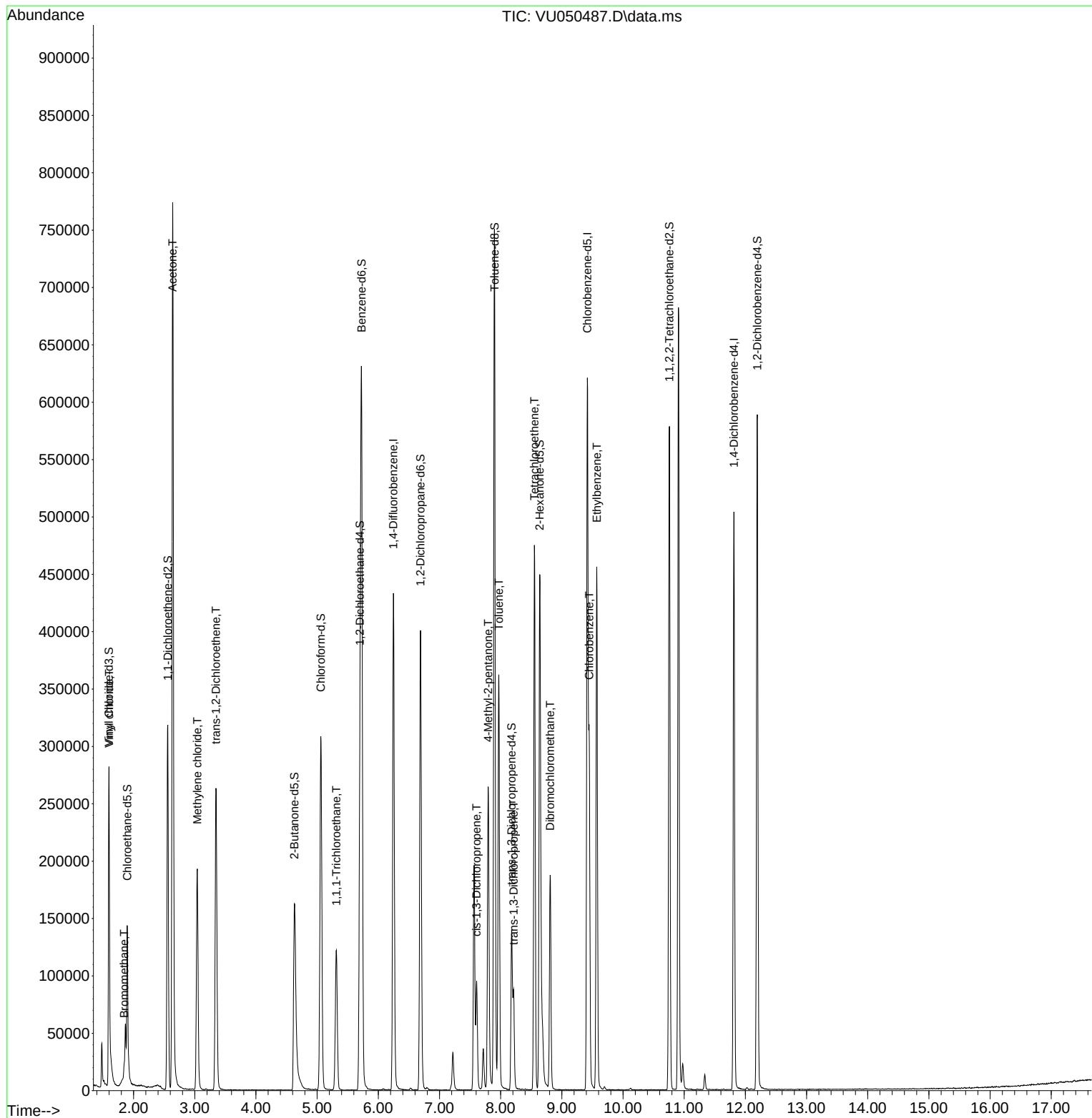
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	348070	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	341851	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	135158	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	152764	37.117	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.240%		
7) Chloroethane-d5	1.896	69	89012	29.228	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	58.460%#		
11) 1,1-Dichloroethene-d2	2.559	63	189090	32.510	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.020%		
21) 2-Butanone-d5	4.629	46	268331	99.607	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.610%		
24) Chloroform-d	5.060	84	292017	44.200	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.400%		
26) 1,2-Dichloroethane-d4	5.700	65	189217	46.082	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.160%		
32) Benzene-d6	5.726	84	587965	46.549	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.100%		
36) 1,2-Dichloropropane-d6	6.690	67	198633	47.469	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.940%		
41) Toluene-d8	7.899	98	512384	46.359	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.720%		
43) trans-1,3-Dichloroprop...	8.179	79	76772	43.983	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.960%		
47) 2-Hexanone-d5	8.639	63	148784	95.812	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.810%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	297976	46.168	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.340%		
66) 1,2-Dichlorobenzene-d4	12.195	152	159574	49.425	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.840%		
Target Compounds						Qvalue
5) Vinyl chloride	1.601	62	102496	33.102	ug/L	99
6) Bromomethane	1.848	94	4548	3.972	ug/L	98
13) Acetone	2.639	43	6561	3.704	ug/L	55
16) Methylene chloride	3.041	84	96232	32.339	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	114108	50.838	ug/L	95
30) 1,1,1-Trichloroethane	5.314	97	88974	22.749	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	56684	14.358	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	177592	44.451	ug/L	99
42) Toluene	7.970	91	267673	25.669	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	48552	13.193	ug/L	99
46) Tetrachloroethene	8.552	164	104641	58.154	ug/L	97
49) Dibromochloromethane	8.809	129	98714	32.213	ug/L	99
51) Chlorobenzene	9.446	112	156575	22.880	ug/L	98
52) Ethylbenzene	9.571	91	317462	30.206	ug/L	99

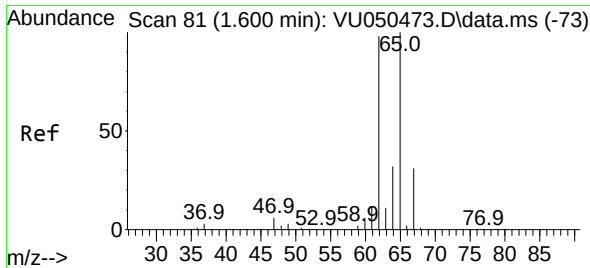
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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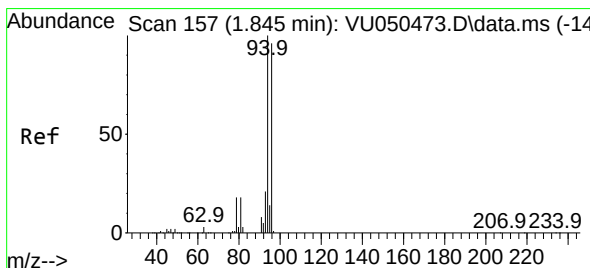
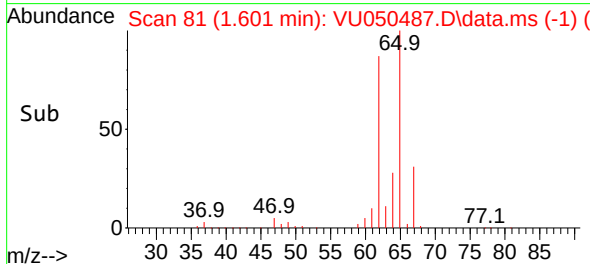
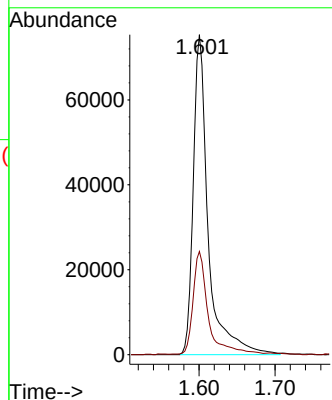
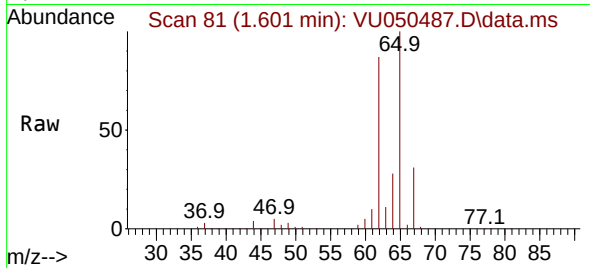




#5
 Vinyl chloride
 Concen: 33.102 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050487.D
 Acq: 29 Aug 2022 16:12

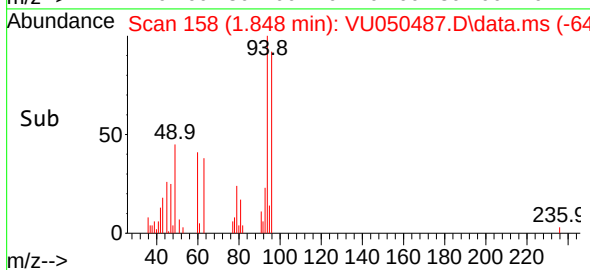
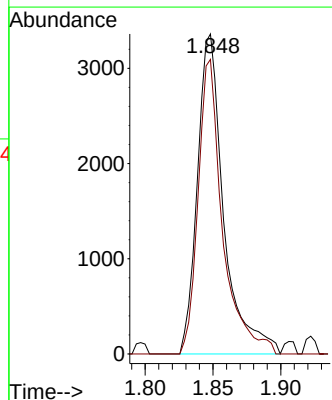
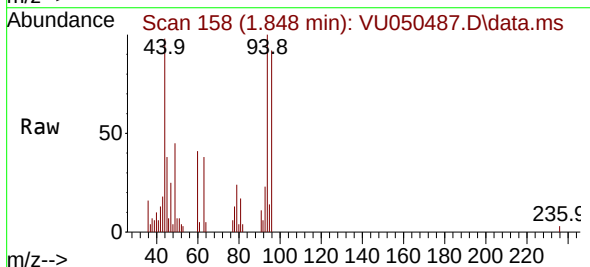
Instrument :
 MSVOA_U
 ClientSampleId :
 DBUZ1

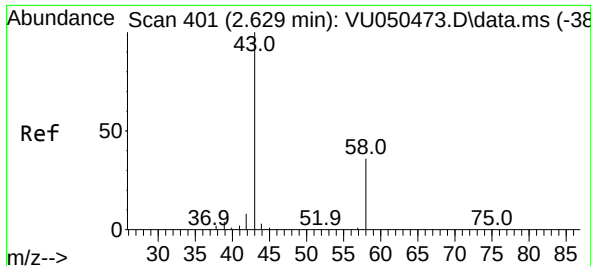
Tgt Ion: 62 Resp: 102496
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.1 42.9



#6
 Bromomethane
 Concen: 3.972 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VU050487.D
 Acq: 29 Aug 2022 16:12

Tgt Ion: 94 Resp: 4548
 Ion Ratio Lower Upper
 94 100
 96 92.0 63.3 117.5





#13

Acetone

Concen: 3.704 ug/L

RT: 2.639 min Scan# 401

Delta R.T. 0.010 min

Lab File: VU050487.D

Acq: 29 Aug 2022 16:12

Instrument :

MSVOA_U

ClientSampleId :

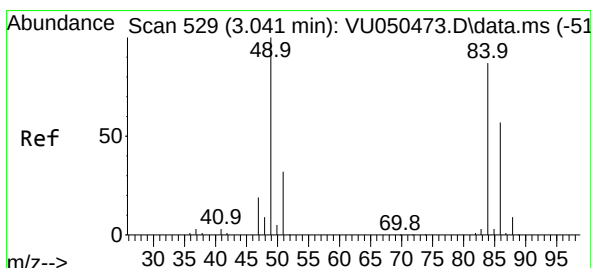
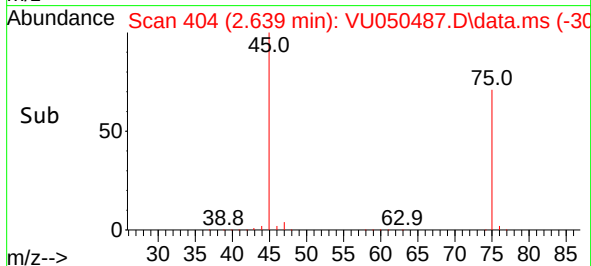
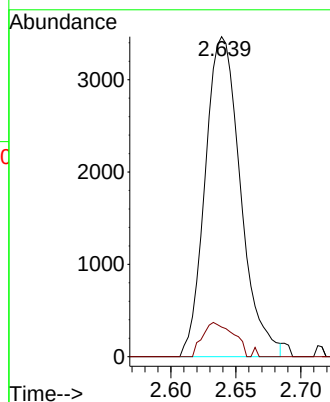
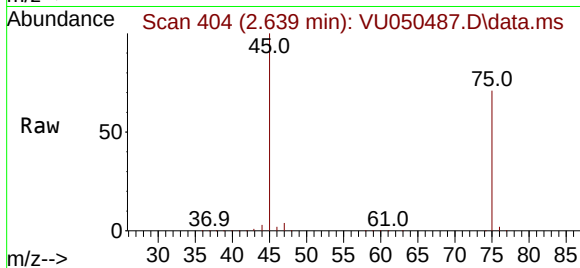
DBUZ1

Tgt Ion: 43 Resp: 6561

Ion Ratio Lower Upper

43 100

58 9.3 0.0 72.2



#16

Methylene chloride

Concen: 32.339 ug/L

RT: 3.041 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU050487.D

Acq: 29 Aug 2022 16:12

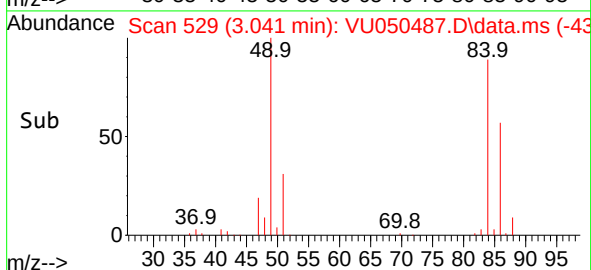
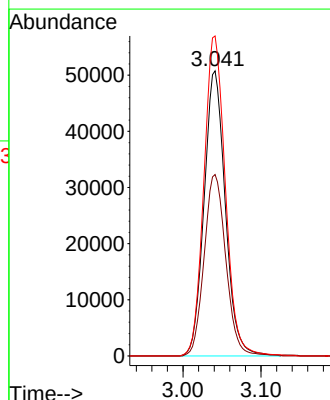
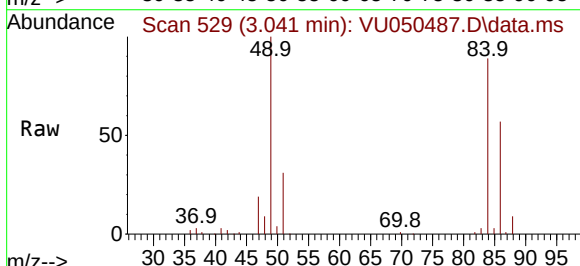
Tgt Ion: 84 Resp: 96232

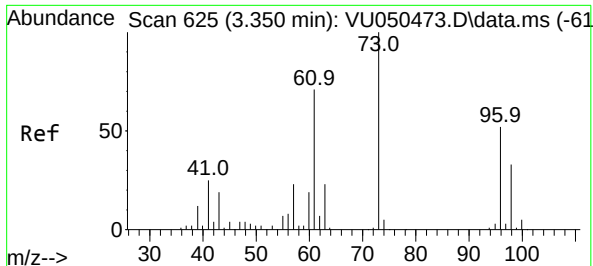
Ion Ratio Lower Upper

84 100

86 63.6 43.9 81.5

49 112.2 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 50.838 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050487.D

Acq: 29 Aug 2022 16:12

Instrument :

MSVOA_U

ClientSampleId :

DBUZ1

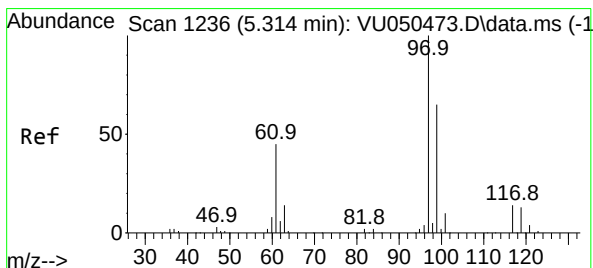
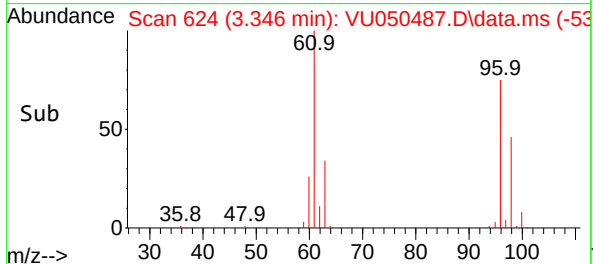
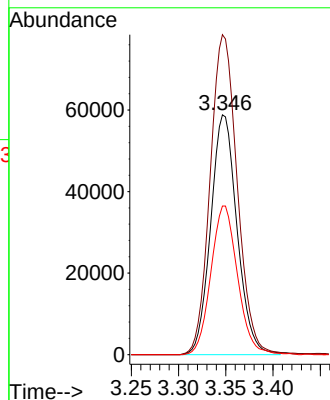
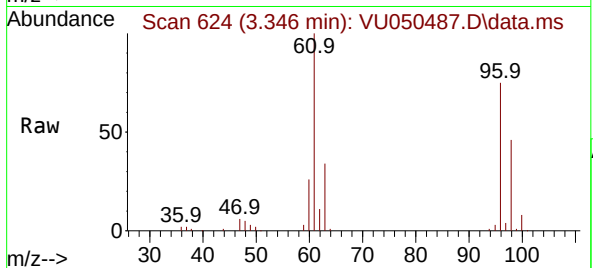
Tgt Ion: 96 Resp: 114108

Ion Ratio Lower Upper

96 100

61 133.4 98.5 182.9

98 62.0 45.7 84.9



#30

1,1,1-Trichloroethane

Concen: 22.749 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050487.D

Acq: 29 Aug 2022 16:12

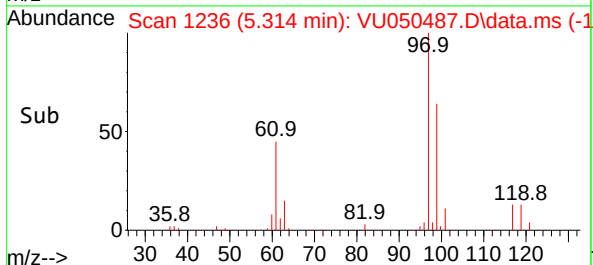
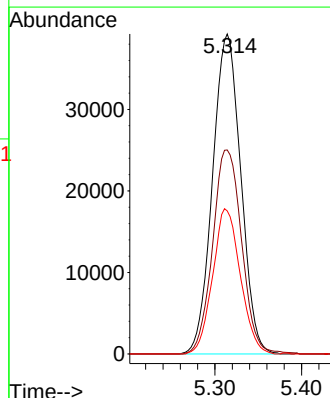
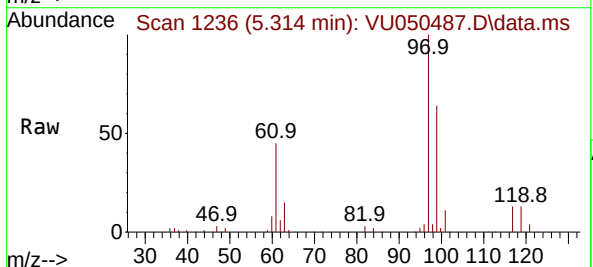
Tgt Ion: 97 Resp: 88974

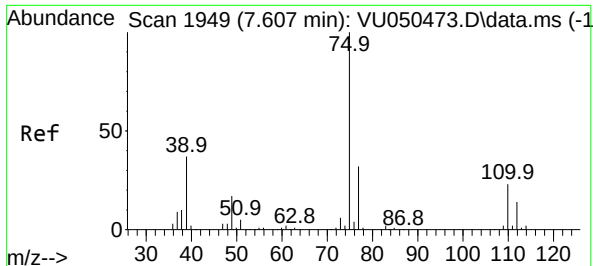
Ion Ratio Lower Upper

97 100

99 65.6 51.2 76.8

61 44.4 36.6 55.0





#39

cis-1,3-Dichloropropene

Concen: 14.358 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050487.D

Acq: 29 Aug 2022 16:12

Instrument :

MSVOA_U

ClientSampleId :

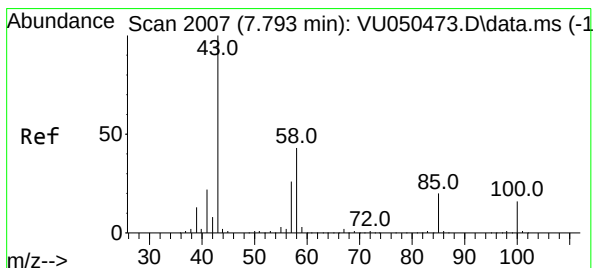
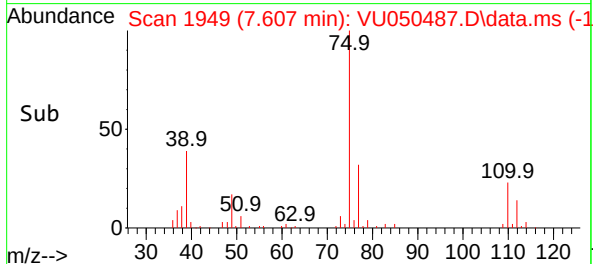
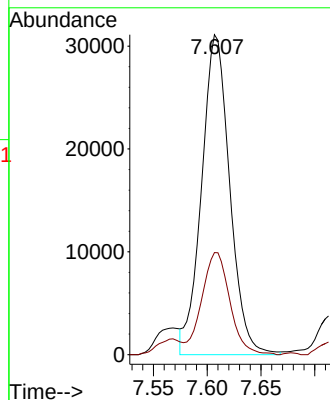
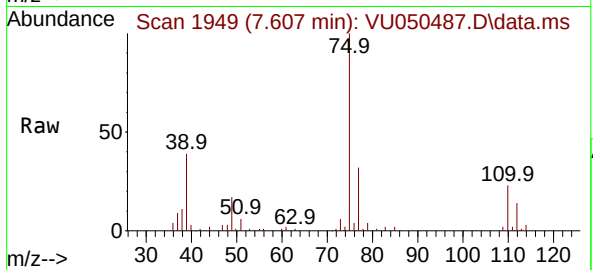
DBUZ1

Tgt Ion: 75 Resp: 56684

Ion Ratio Lower Upper

75 100

77 31.9 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 44.451 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU050487.D

Acq: 29 Aug 2022 16:12

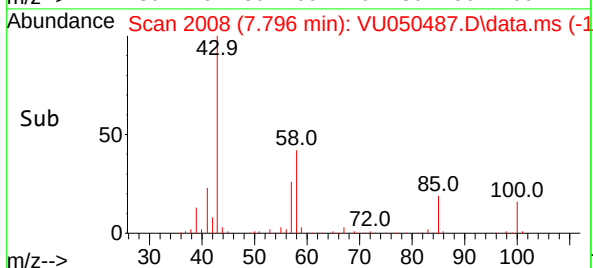
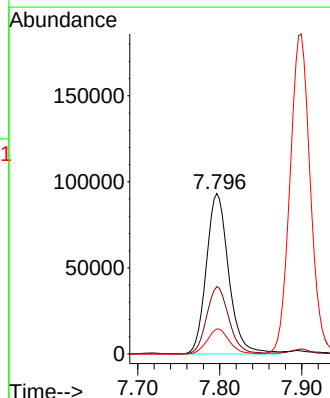
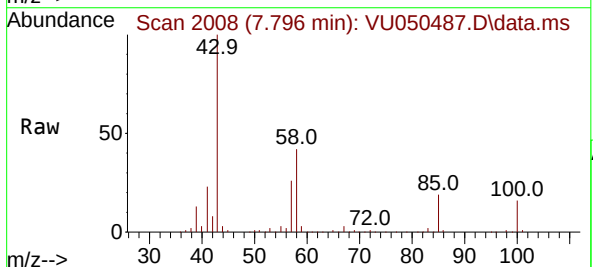
Tgt Ion: 43 Resp: 177592

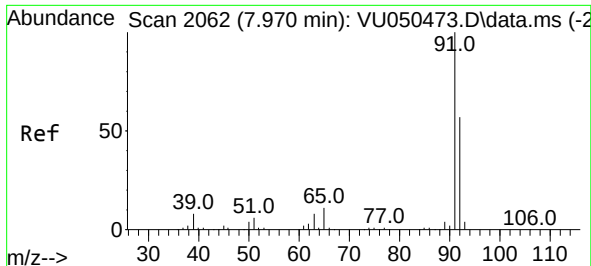
Ion Ratio Lower Upper

43 100

58 41.9 34.0 51.0

100 15.4 13.0 19.4





#42

Toluene

Concen: 25.669 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050487.D

Acq: 29 Aug 2022 16:12

Instrument :

MSVOA_U

ClientSampleId :

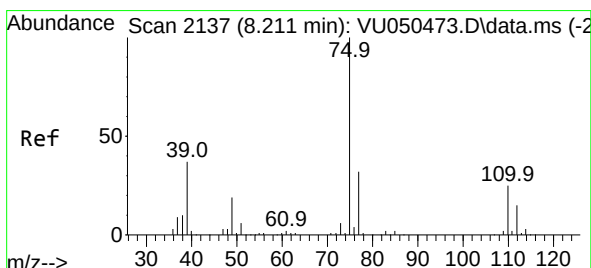
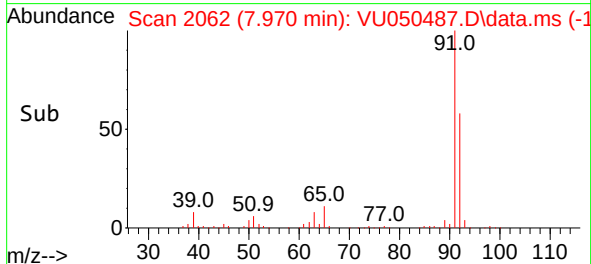
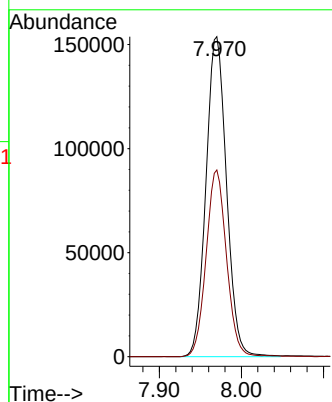
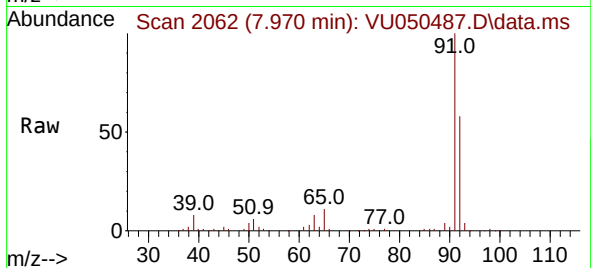
DBUZ1

Tgt Ion: 91 Resp: 267673

Ion Ratio Lower Upper

91 100

92 58.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 13.193 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050487.D

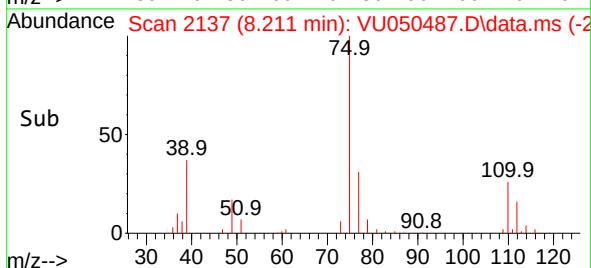
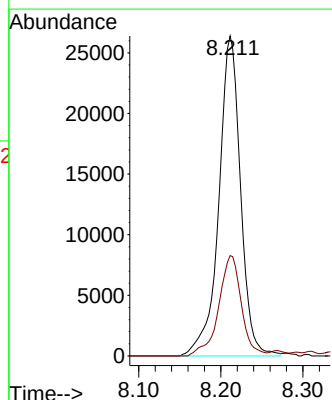
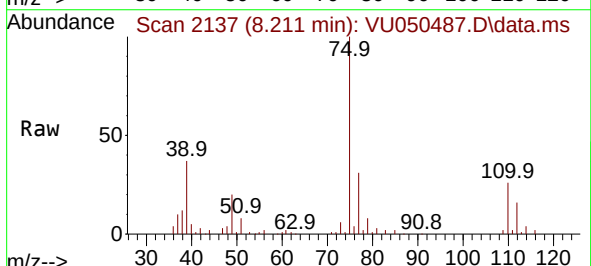
Acq: 29 Aug 2022 16:12

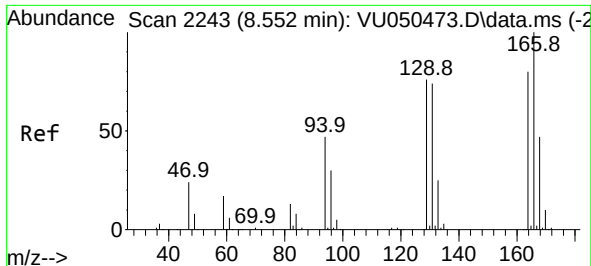
Tgt Ion: 75 Resp: 48552

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7

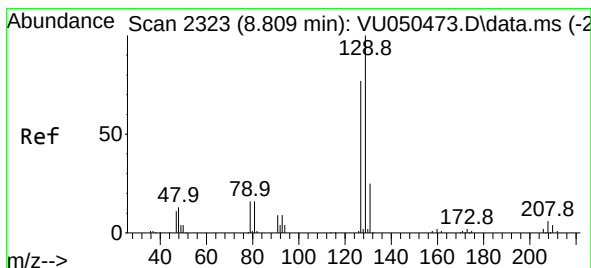
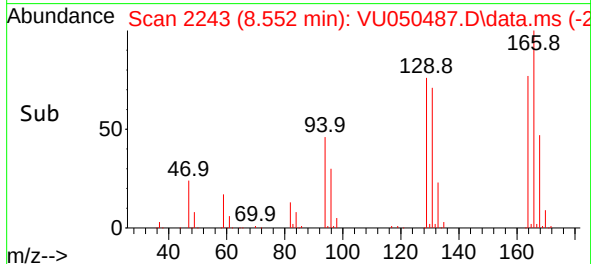
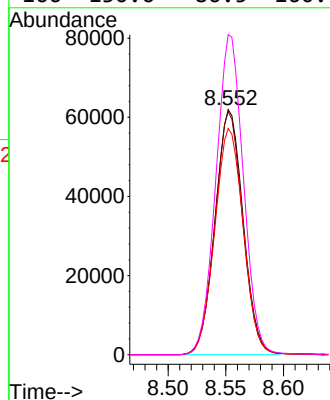
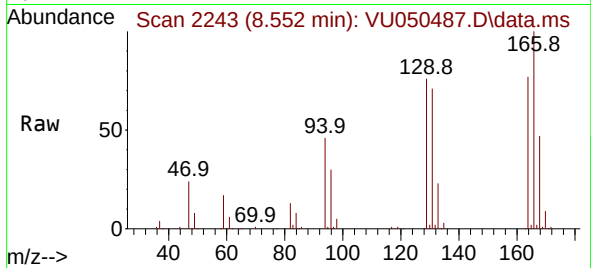




#46
Tetrachloroethene
Concen: 58.154 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

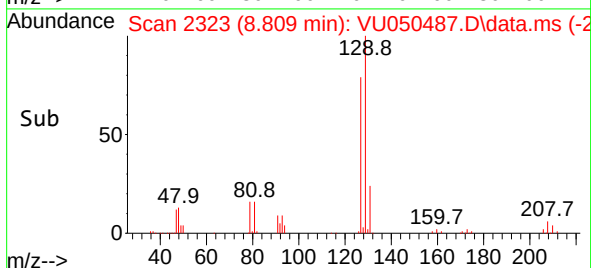
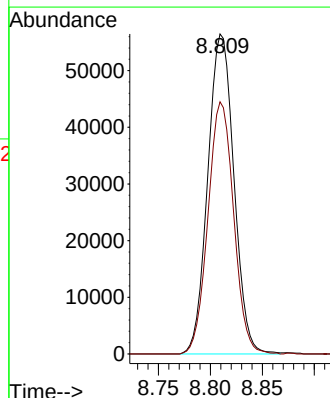
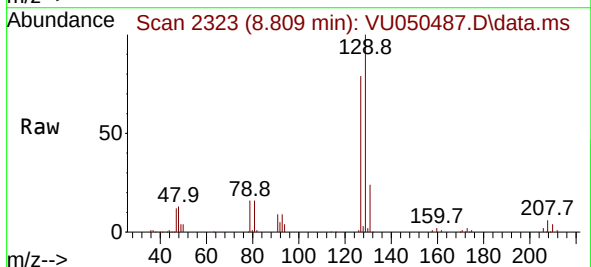
Instrument :
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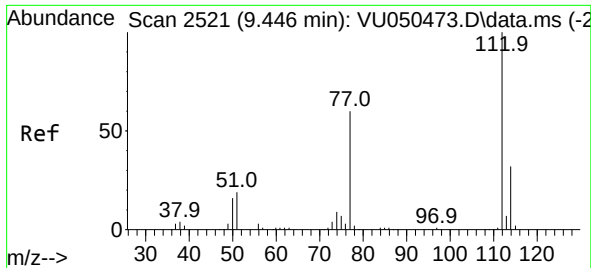
Tgt Ion:164 Resp: 104641
Ion Ratio Lower Upper
164 100
129 99.1 68.0 126.4
131 92.3 65.4 121.4
166 130.6 86.5 160.7



#49
Dibromochloromethane
Concen: 32.213 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Tgt Ion:129 Resp: 98714
Ion Ratio Lower Upper
129 100
127 78.8 55.9 103.7

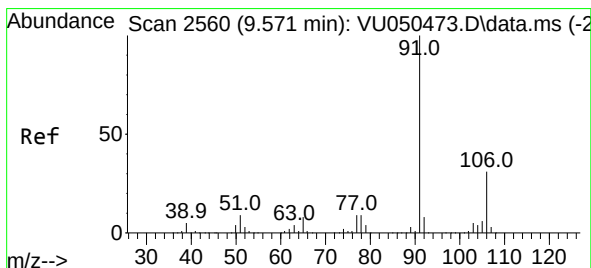
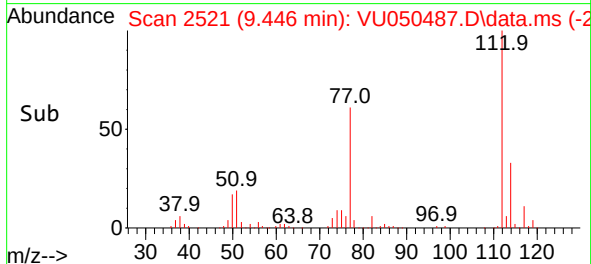
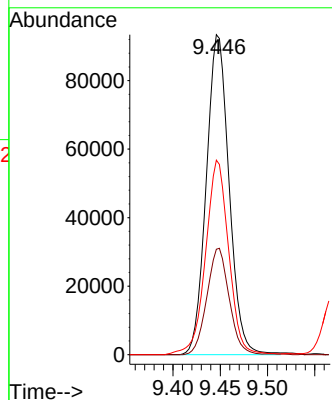
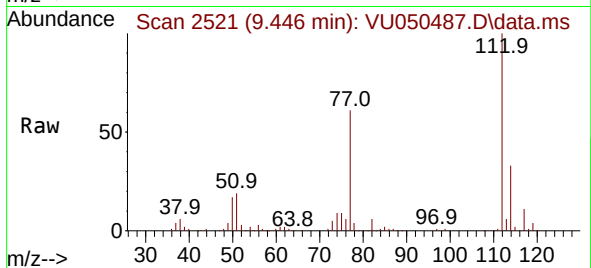




#51
Chlorobenzene
Concen: 22.880 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Instrument :
MSVOA_U
ClientSampleId :
DBUZ1

Tgt Ion:112 Resp: 156575
Ion Ratio Lower Upper
112 100
114 33.0 21.8 40.6
77 60.8 47.6 71.4



#52
Ethylbenzene
Concen: 30.206 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Tgt Ion: 91 Resp: 317462
Ion Ratio Lower Upper
91 100
106 30.6 21.7 40.3

