

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072122\
 Data File : U049822.D
 Acq On : 21 Jul 2022 12:09
 Operator : SY/MD
 Sample : N3792-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBUJ4

Quant Time: Jul 22 04:11:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 22 03:08:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	195043	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	189673	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89219	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	62671	38.082	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.160%
7) Chloroethane-d5	1.884	69	47383	39.833	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.660%
11) 1,1-Dichloroethene-d2	2.556	63	95373	32.810	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.620%
21) 2-Butanone-d5	4.620	46	145247	103.390	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.390%
24) Chloroform-d	5.060	84	133449	45.784	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.560%
26) 1,2-Dichloroethane-d4	5.700	65	92664	46.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.940%
32) Benzene-d6	5.726	84	235506	40.871	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.740%
36) 1,2-Dichloropropane-d6	6.690	67	85862	44.301	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.600%
41) Toluene-d8	7.899	98	198826	39.622	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.240%#
43) trans-1,3-Dichloroprop...	8.179	79	35602	43.598	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.200%
47) 2-Hexanone-d5	8.636	63	77821	89.261	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.260%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	136427	50.307	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.620%
66) 1,2-Dichlorobenzene-d4	12.195	152	76861	45.691	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.380%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	60115	23.428	ug/L	99
8) Chloroethane	1.909	64	20190	15.719	ug/L	96
12) 1,1-Dichloroethene	2.568	96	23147	16.599	ug/L #	55
13) Acetone	2.623	43	58424	43.760	ug/L	100
16) Methylene chloride	3.038	84	60132	34.242	ug/L	97
19) 1,1-Dichloroethane	3.864	63	59511	18.738	ug/L	98
22) 2-Butanone	4.703	43	62986	35.237	ug/L	99
25) Chloroform	5.086	83	98851	31.040	ug/L	98
27) 1,2-Dichloroethane	5.793	62	98755	36.417	ug/L	99
31) Carbon tetrachloride	5.520	117	43803	19.504	ug/L	98
33) Benzene	5.774	78	137711	19.316	ug/L	100
34) Trichloroethene	6.539	95	82428	47.829	ug/L	95
37) 1,2-Dichloropropane	6.790	63	39489	19.983	ug/L #	97
40) 4-Methyl-2-pentanone	7.793	43	130373	40.753	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	36398	21.102	ug/L	96
48) 2-Hexanone	8.687	43	117407	45.925	ug/L	98
54) o-Xylene	10.102	106	130000	47.485	ug/L	97
55) Styrene	10.115	104	116898	25.873	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.784	83	65175	21.109	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Fri Jul 22 03:08:56 2022
Response via : Initial Calibration

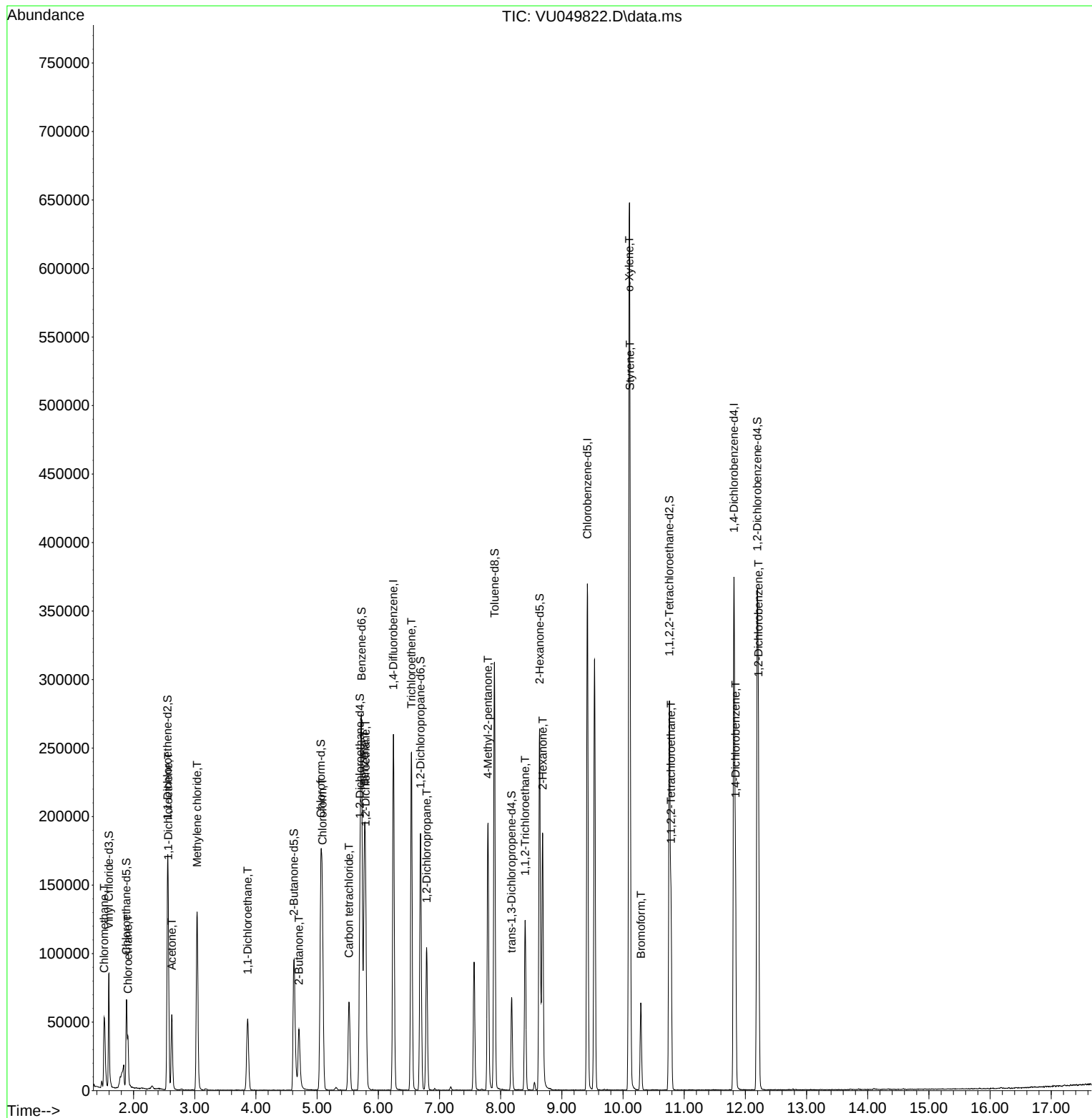
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Bromoform	10.292	173	26581	22.213	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	59453	20.352	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	78741	26.039	ug/L	99

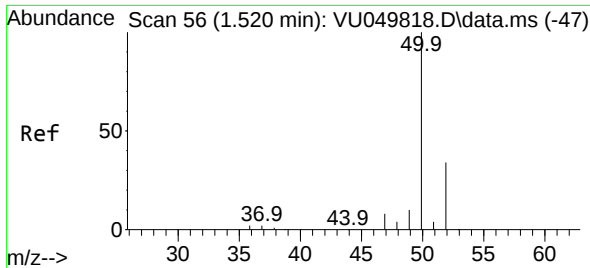
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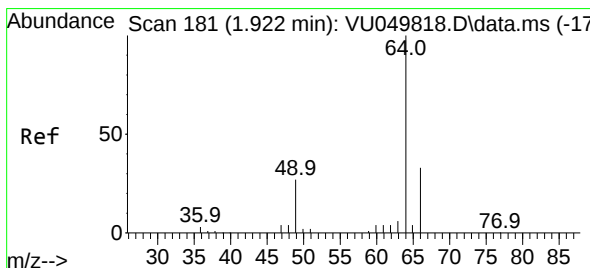
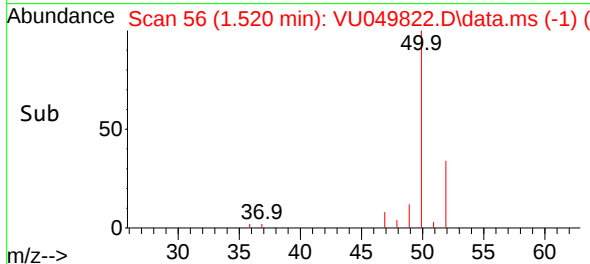
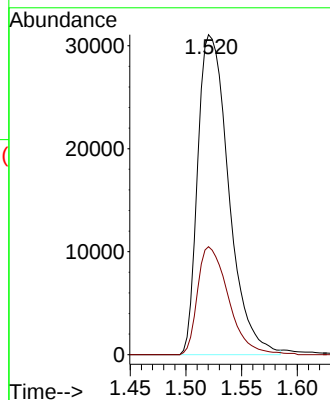
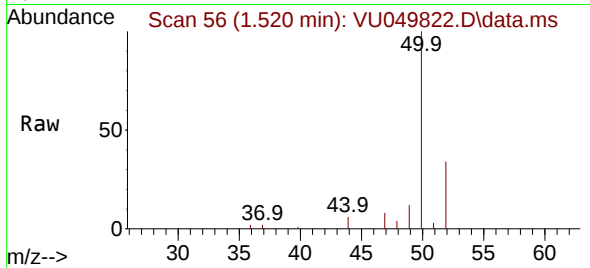




#3
Chloromethane
Concen: 23.428 ug/L
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

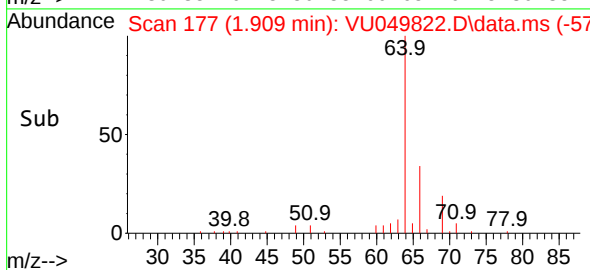
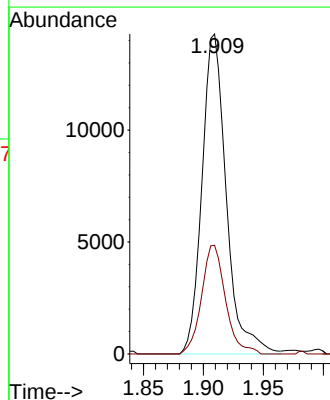
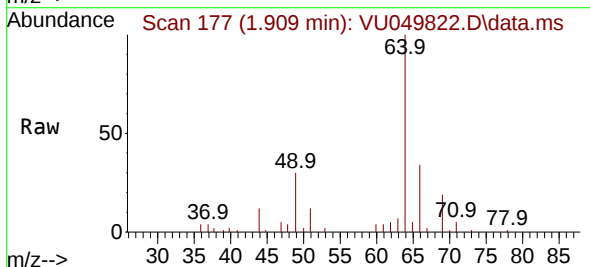
Instrument :
MSVOA_U
ClientSampleId :
DBUJ4

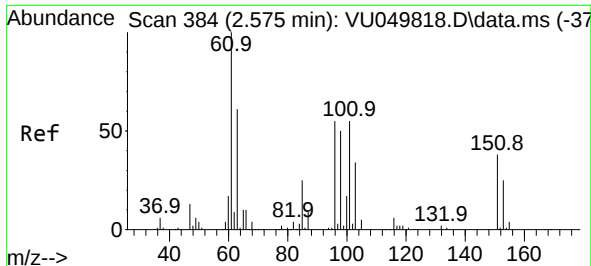
Tgt Ion: 50 Resp: 60115
Ion Ratio Lower Upper
50 100
52 33.7 23.2 43.0



#8
Chloroethane
Concen: 15.719 ug/L
RT: 1.909 min Scan# 177
Delta R.T. -0.013 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 64 Resp: 20190
Ion Ratio Lower Upper
64 100
66 34.0 22.1 41.1





#12

1,1-Dichloroethene

Concen: 16.599 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.006 min

Lab File: VU049822.D

Acq: 21 Jul 2022 12:09

Instrument :

MSVOA_U

ClientSampleId :

DBUJ4

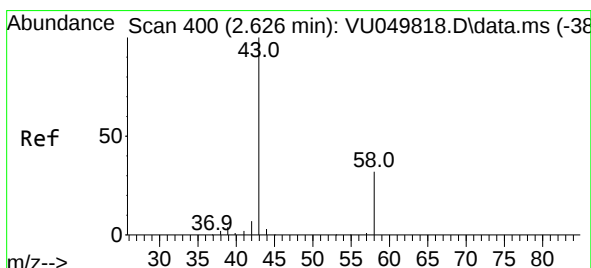
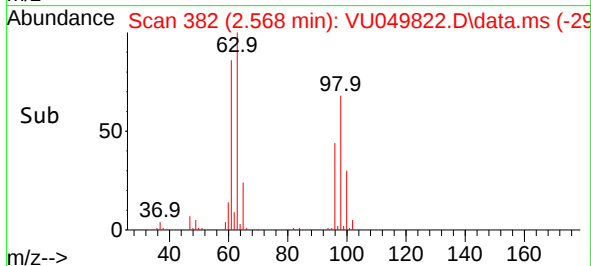
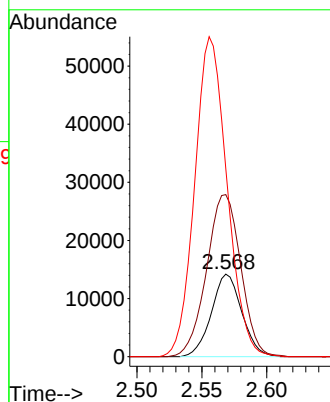
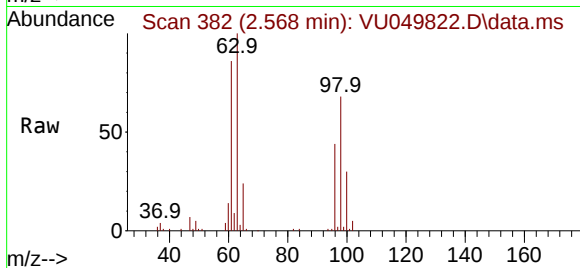
Tgt Ion: 96 Resp: 23147

Ion Ratio Lower Upper

96 100

61 196.1 129.6 240.6

63 227.7 79.0 146.6#



#13

Acetone

Concen: 43.760 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU049822.D

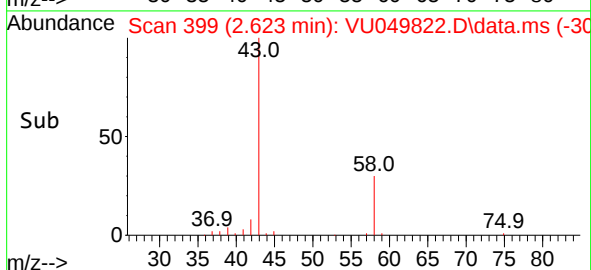
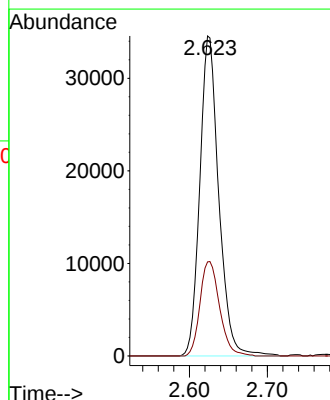
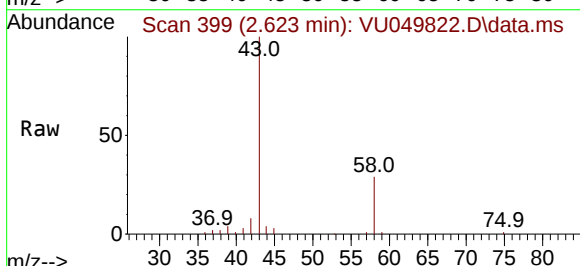
Acq: 21 Jul 2022 12:09

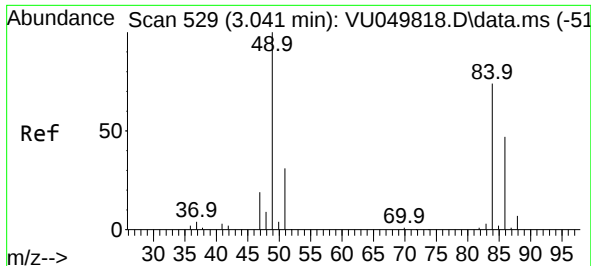
Tgt Ion: 43 Resp: 58424

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.4

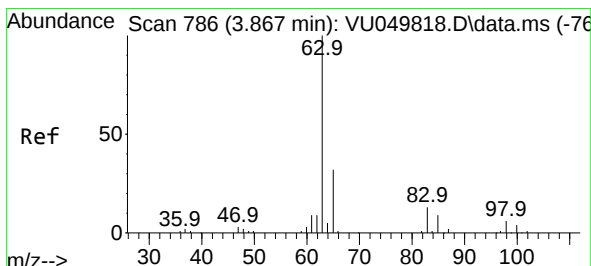
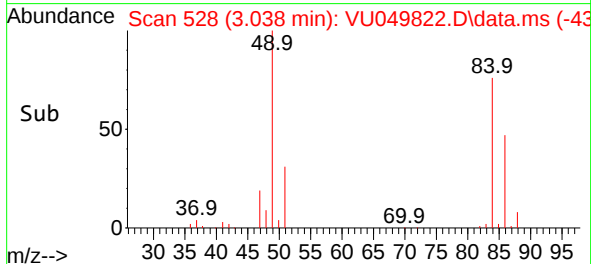
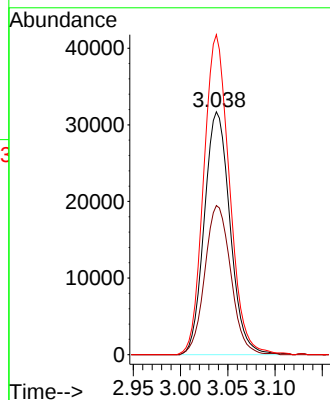
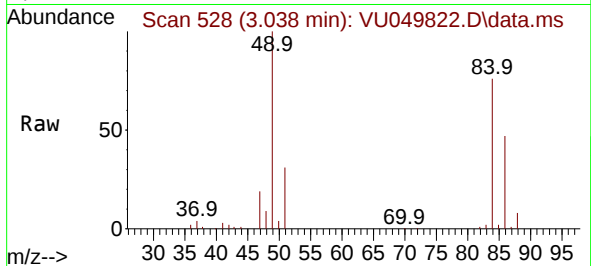




#16
Methylene chloride
Concen: 34.242 ug/L
RT: 3.038 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

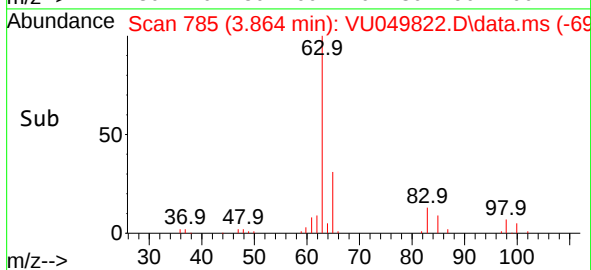
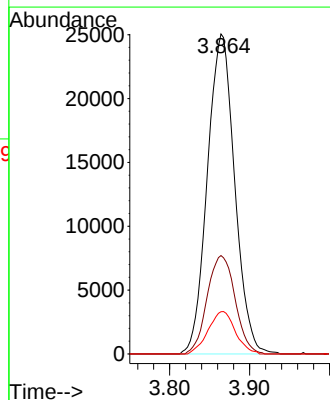
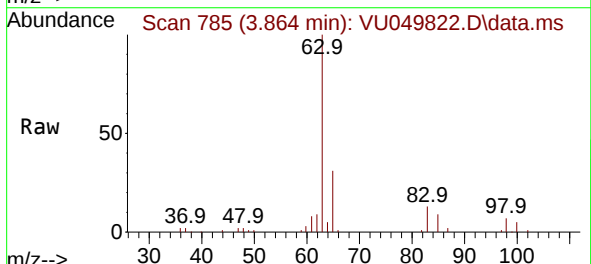
Instrument :
MSVOA_U
ClientSampleId :
DBUJ4

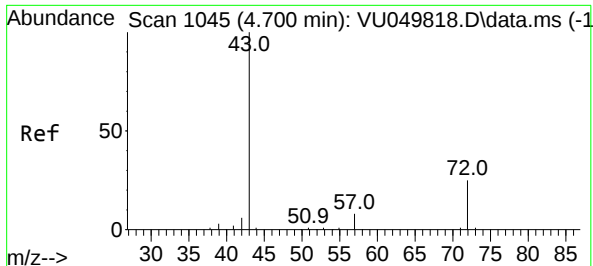
Tgt Ion: 84 Resp: 60132
Ion Ratio Lower Upper
84 100
86 61.4 45.6 84.6
49 131.7 94.4 175.4



#19
1,1-Dichloroethane
Concen: 18.738 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.003 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 63 Resp: 59511
Ion Ratio Lower Upper
63 100
65 30.7 22.6 42.0
83 13.2 9.2 17.2





#22

2-Butanone

Concen: 35.237 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.003 min

Lab File: VU049822.D

Acq: 21 Jul 2022 12:09

Instrument :

MSVOA_U

ClientSampleId :

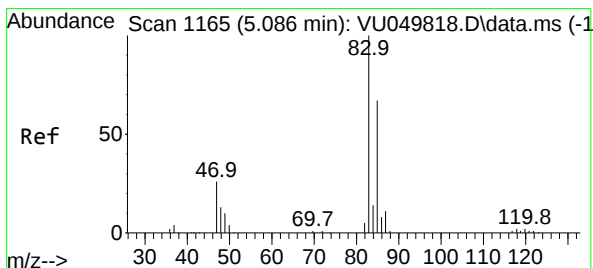
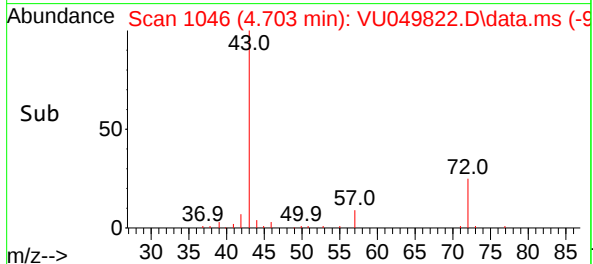
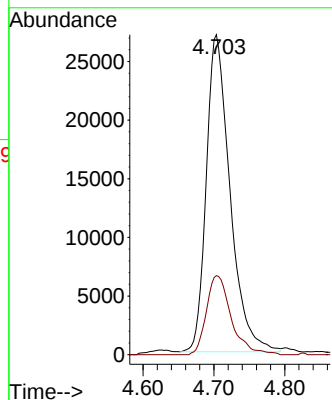
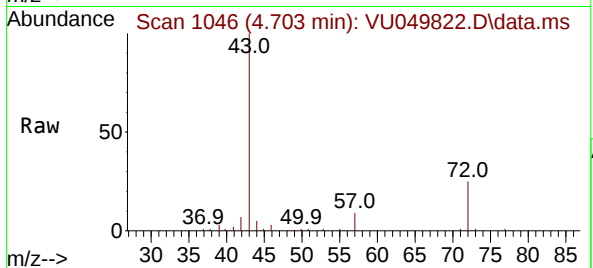
DBUJ4

Tgt Ion: 43 Resp: 62986

Ion Ratio Lower Upper

43 100

72 25.9 12.7 38.0



#25

Chloroform

Concen: 31.040 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU049822.D

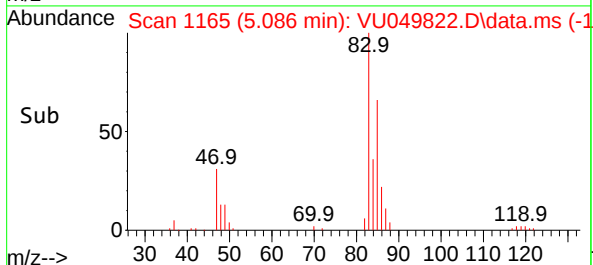
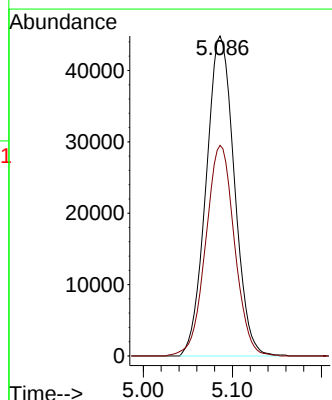
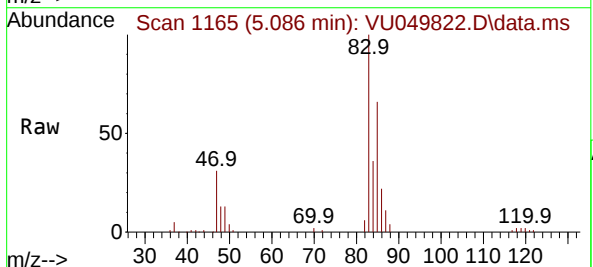
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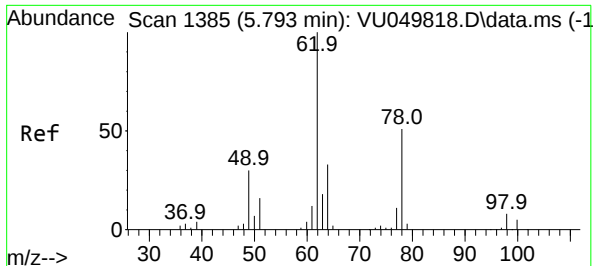
Tgt Ion: 83 Resp: 98851

Ion Ratio Lower Upper

83 100

85 65.8 45.2 84.0

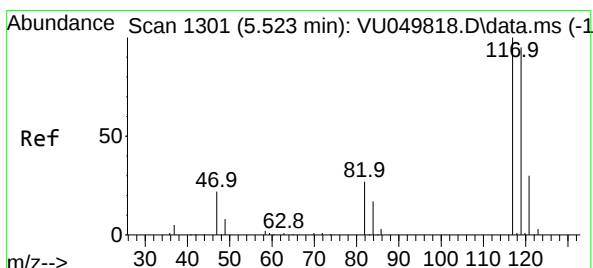
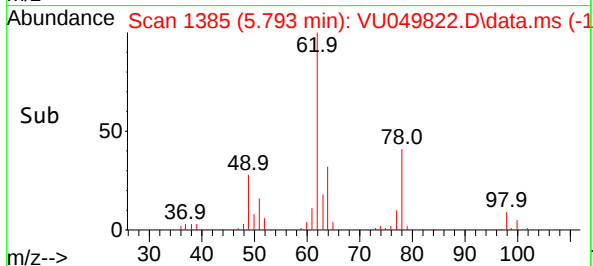
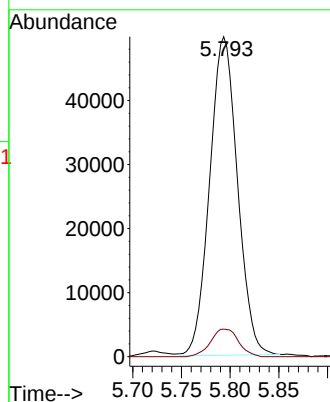
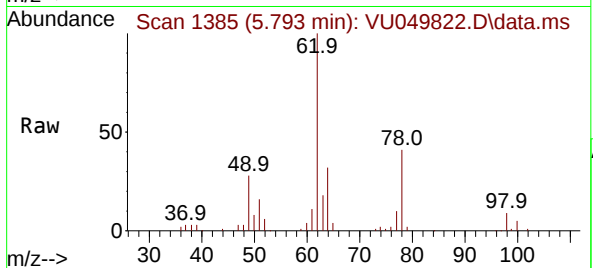




#27
1,2-Dichloroethane
Concen: 36.417 ug/L
RT: 5.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

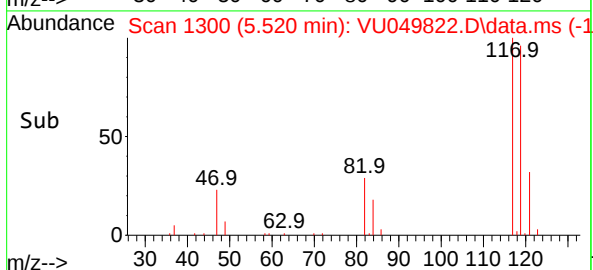
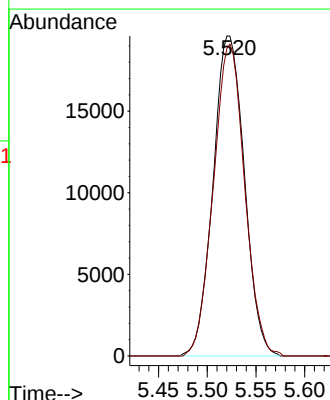
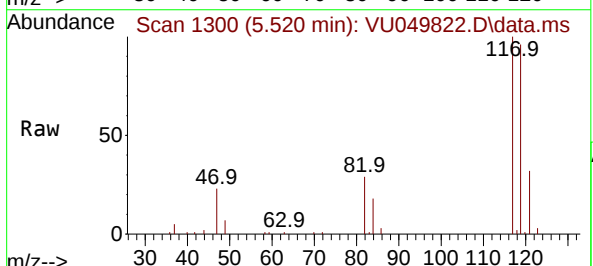
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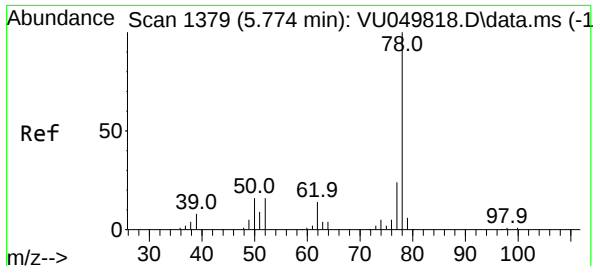
Tgt Ion: 62 Resp: 98755
Ion Ratio Lower Upper
62 100
98 8.6 6.7 10.1



#31
Carbon tetrachloride
Concen: 19.504 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.003 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 117 Resp: 43803
Ion Ratio Lower Upper
117 100
119 97.1 75.8 113.8

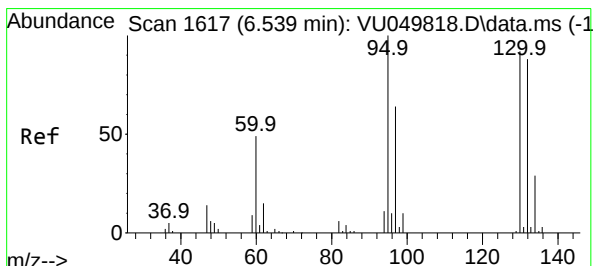
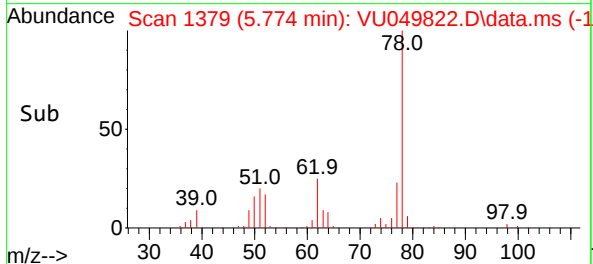
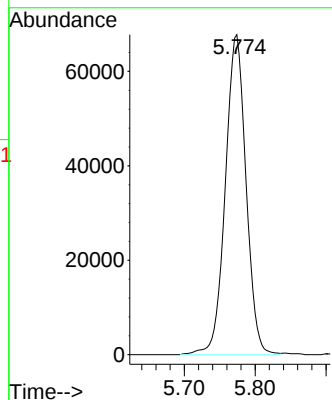
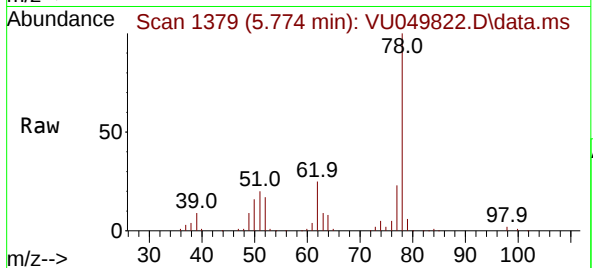




#33
Benzene
Concen: 19.316 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Instrument :
MSVOA_U
ClientSampleId :
DBUJ4

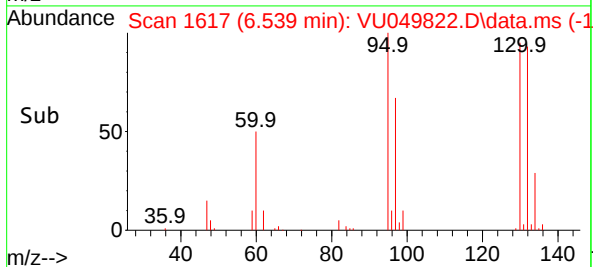
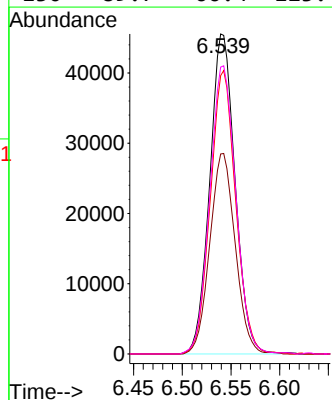
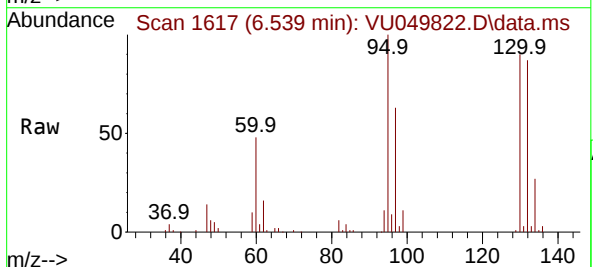
Tgt Ion: 78 Resp: 137711

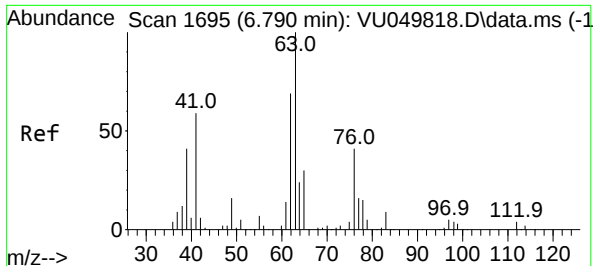


#34
Trichloroethene
Concen: 47.829 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 95 Resp: 82428

Ion	Ratio	Lower	Upper
95	100		
97	62.5	46.9	87.1
132	87.0	62.7	116.5
130	89.7	66.4	123.4

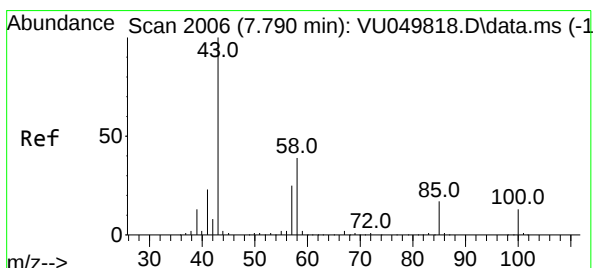
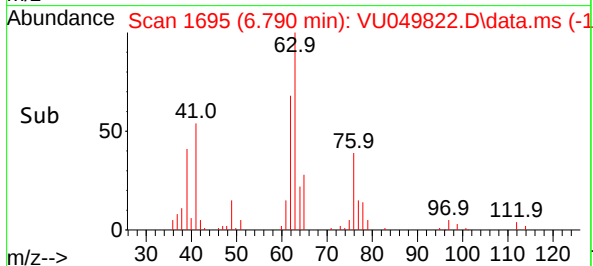
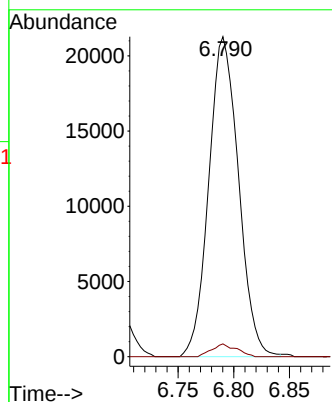
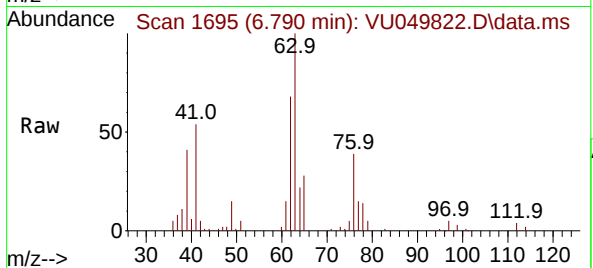




#37
1,2-Dichloropropane
Concen: 19.983 ug/L
RT: 6.790 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

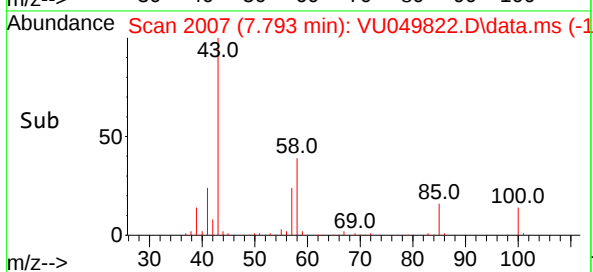
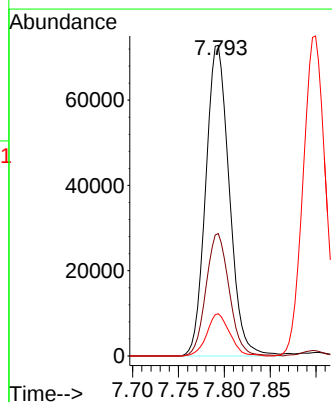
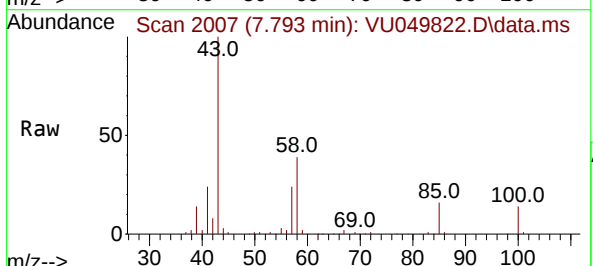
Instrument :
MSVOA_U
ClientSampleId :
DBUJ4

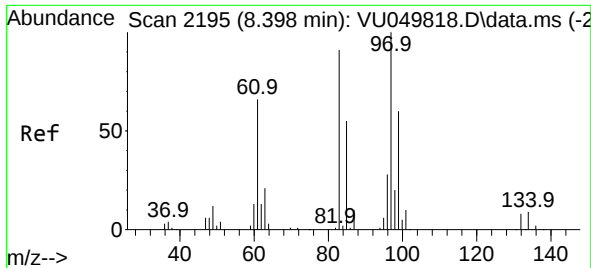
Tgt Ion: 63 Resp: 39489
Ion Ratio Lower Upper
63 100
112 2.6 2.8 4.2#



#40
4-Methyl-2-pentanone
Concen: 40.753 ug/L
RT: 7.793 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 43 Resp: 130373
Ion Ratio Lower Upper
43 100
58 38.8 31.4 47.0
100 13.2 10.3 15.5



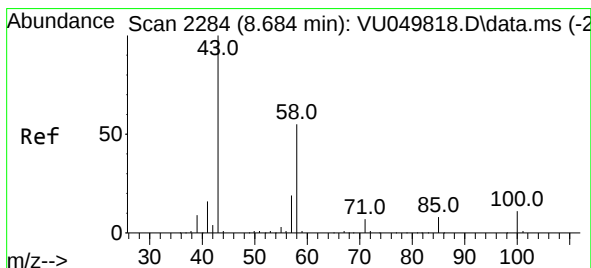
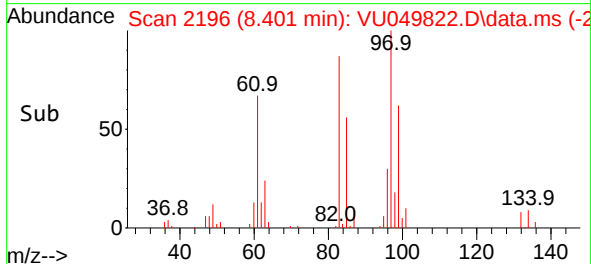
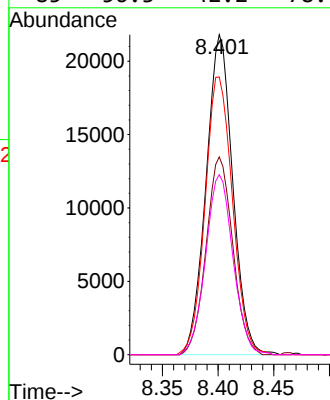
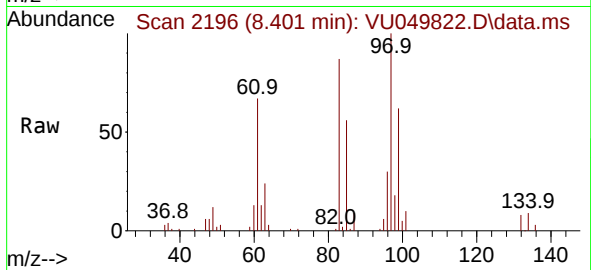


#45
1,1,2-Trichloroethane
Concen: 21.102 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Instrument :
MSVOA_U
ClientSampleId :
DBUJ4

Tgt Ion: 97 Resp: 36398

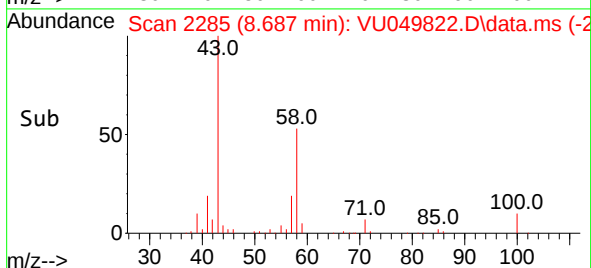
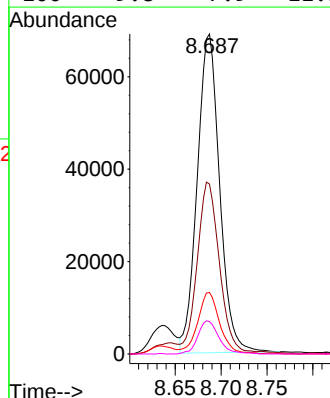
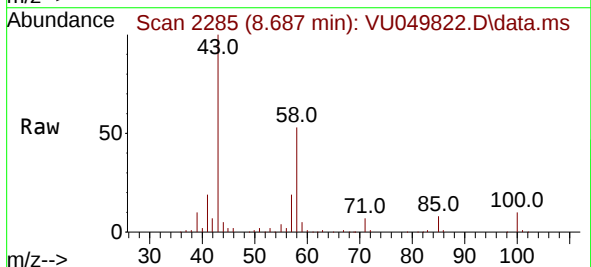
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.3	82.3
83	86.8	64.0	118.8
85	56.3	42.2	78.4

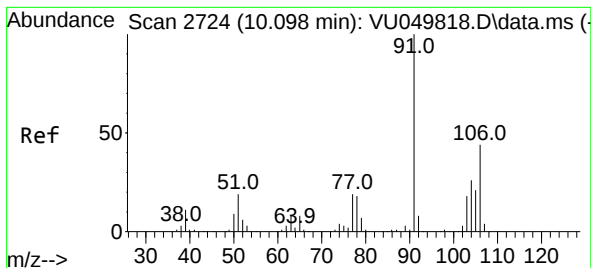


#48
2-Hexanone
Concen: 45.925 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. 0.003 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 43 Resp: 117407

Ion	Ratio	Lower	Upper
43	100		
58	51.4	42.6	64.0
57	18.1	15.0	22.6
100	9.8	7.9	11.9





#54

o-Xylene

Concen: 47.485 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.003 min

Lab File: VU049822.D

Acq: 21 Jul 2022 12:09

Instrument :

MSVOA_U

ClientSampleId :

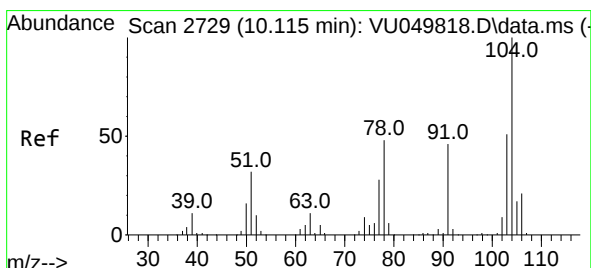
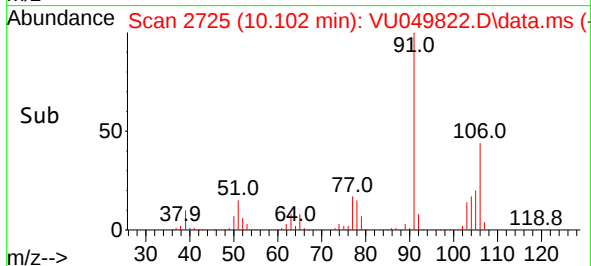
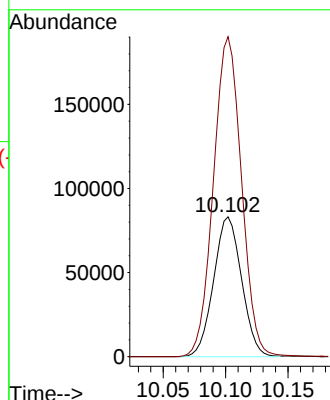
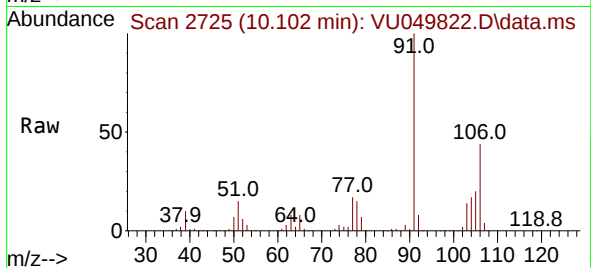
DBUJ4

Tgt Ion:106 Resp: 130000

Ion Ratio Lower Upper

106 100

91 228.8 156.9 291.5



#55

Styrene

Concen: 25.873 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049822.D

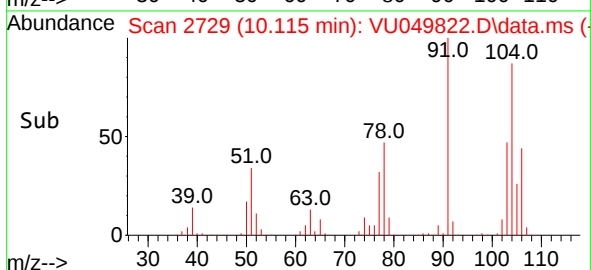
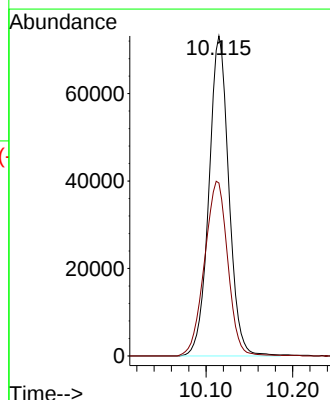
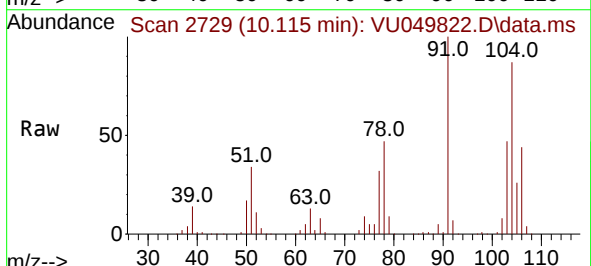
Acq: 21 Jul 2022 12:09

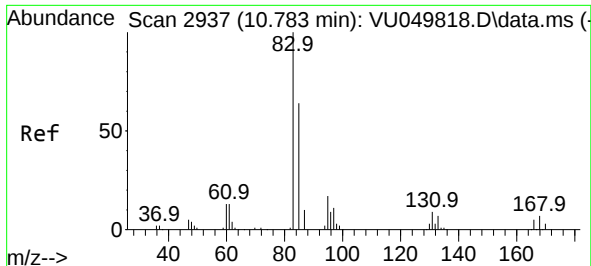
Tgt Ion:104 Resp: 116898

Ion Ratio Lower Upper

104 100

78 54.1 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 21.109 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU049822.D

Acq: 21 Jul 2022 12:09

Instrument :

MSVOA_U

ClientSampleId :

DBUJ4

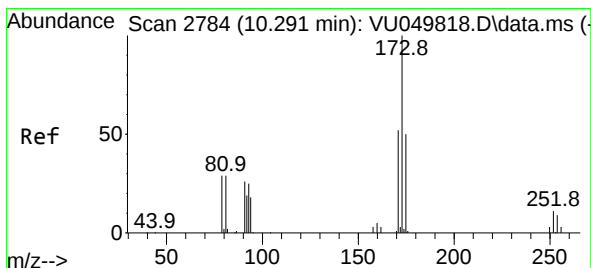
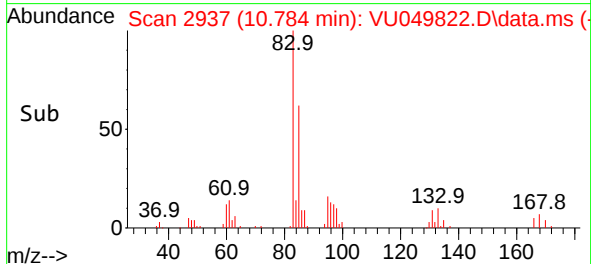
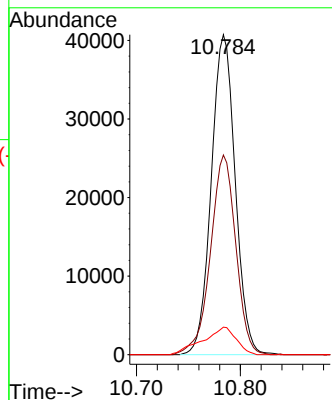
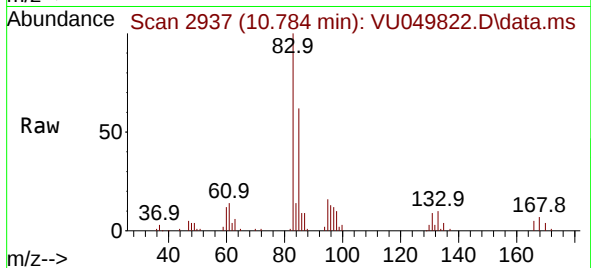
Tgt Ion: 83 Resp: 65175

Ion Ratio Lower Upper

83 100

85 62.4 45.0 83.6

131 8.6 7.0 10.6



#59

Bromoform

Concen: 22.213 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049822.D

Acq: 21 Jul 2022 12:09

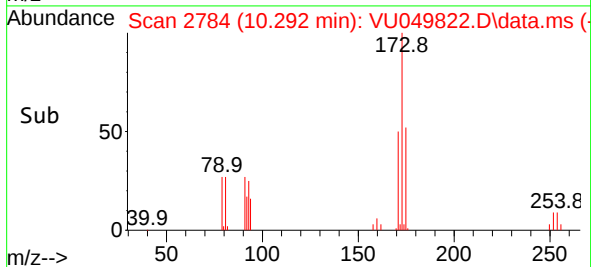
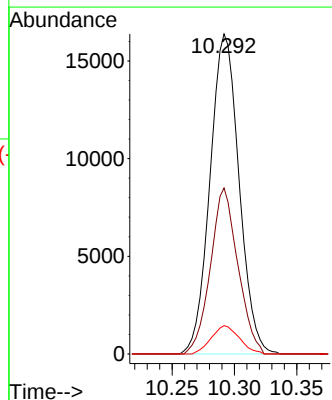
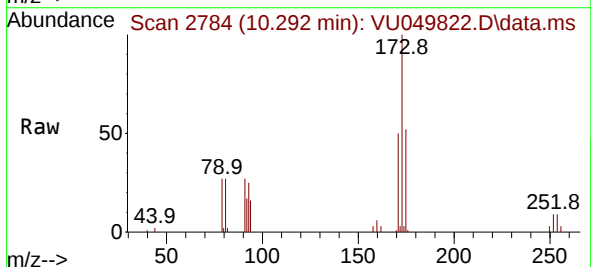
Tgt Ion:173 Resp: 26581

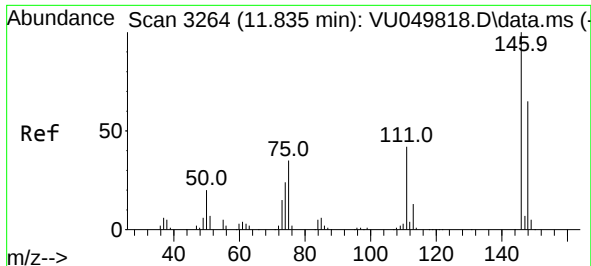
Ion Ratio Lower Upper

173 100

175 48.9 38.6 58.0

254 8.6 7.4 11.0

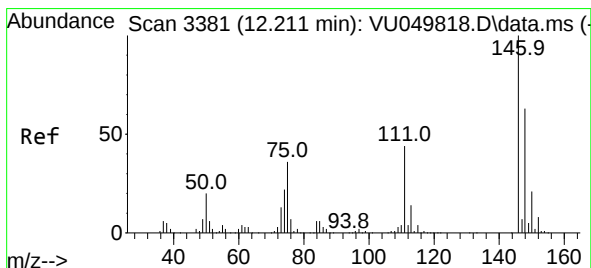
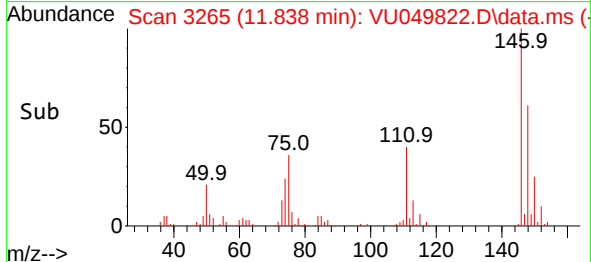
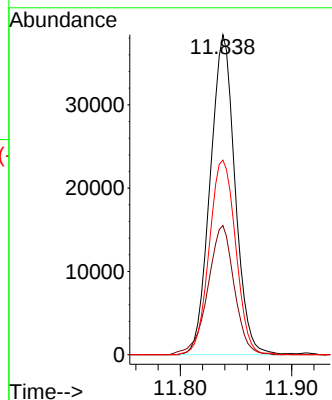
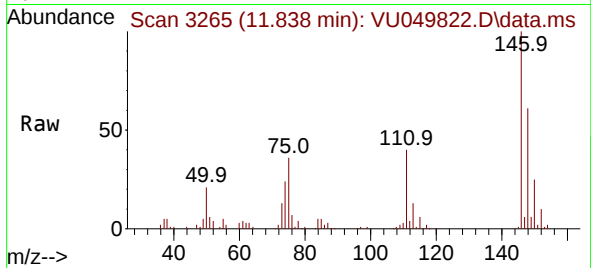




#65
1,4-Dichlorobenzene
Concen: 20.352 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Instrument :
MSVOA_U
ClientSampleId :
DBUJ4

Tgt Ion:146 Resp: 59453
Ion Ratio Lower Upper
146 100
111 40.3 29.1 54.1
148 60.8 44.4 82.4



#67
1,2-Dichlorobenzene
Concen: 26.039 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU049822.D
Acq: 21 Jul 2022 12:09

Tgt Ion:146 Resp: 78741
Ion Ratio Lower Upper
146 100
111 46.0 35.8 53.8
148 66.7 52.7 79.1

