

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111523\
 Data File : VU056357.D
 Acq On : 15 Nov 2023 16:02
 Operator : MD/SY
 Sample : 05340-11DL 4X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 16 04:39:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 16 04:37:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	282656	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	281602	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	129894	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	100317	4.745	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.800%
7) Chloroethane-d5	1.904	69	70757	4.365	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.557	65	50834	5.448	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.000%
20) 2-Butanone-d5	4.624	46	240469	57.042	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.080%
24) Chloroform-d	5.055	84	212811	5.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	5.695	65	107449	5.686	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.800%
32) Benzene-d6	5.721	84	428079	5.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
36) 1,2-Dichloropropane-d6	6.685	67	135233	5.348	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.894	98	376982	5.088	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
43) trans-1,3-Dichloroprop...	8.177	79	50718	5.230	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.600%
46) 2-Hexanone-d5	8.643	63	215089	56.437	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.880%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	103503	5.728	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	136242	5.678	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.600%
Target Compounds						Qvalue
15) Methyl Acetate	2.962	43	997	0.156	ug/L #	60
16) Methylene chloride	3.036	84	13638	0.596	ug/L	95
22) cis-1,2-Dichloroethene	4.656	96	96254	4.768	ug/L	99
27) 1,2-Dichloroethane	5.791	62	7070	0.326	ug/L	98
37) 1,2-Dichloropropane	6.791	63	3551	0.169	ug/L #	95
38) Bromodichloromethane	7.100	83	3076	0.114	ug/L #	78
39) cis-1,3-Dichloropropene	7.605	75	3553	0.115	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	3769	0.154	ug/L	88
45) 1,1,2-Trichloroethane	8.402	97	2197	0.157	ug/L #	76
48) 2-Hexanone	8.701	43	9338	1.154	ug/L #	90
49) Dibromochloromethane	8.807	129	2042	0.129	ug/L	81
50) 1,2-Dibromoethane	8.923	107	1457	0.111	ug/L #	95
51) Chlorobenzene	9.444	112	7758	0.145	ug/L	97
52) Ethylbenzene	9.569	91	12499	0.135	ug/L	99
53) m,p-Xylene	9.701	106	6332	0.186	ug/L	84
54) o-Xylene	10.100	106	4671	0.142	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.782	83	2258	0.133	ug/L #	90
61) 1,2,3-Trichloropropane	10.827	75	1762	0.158	ug/L #	88
62) 1,3,5-Trimethylbenzene	11.087	105	8442	0.123	ug/L	93

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QLast Update : Thu Nov 16 04:37:29 2023
Response via : Initial Calibration

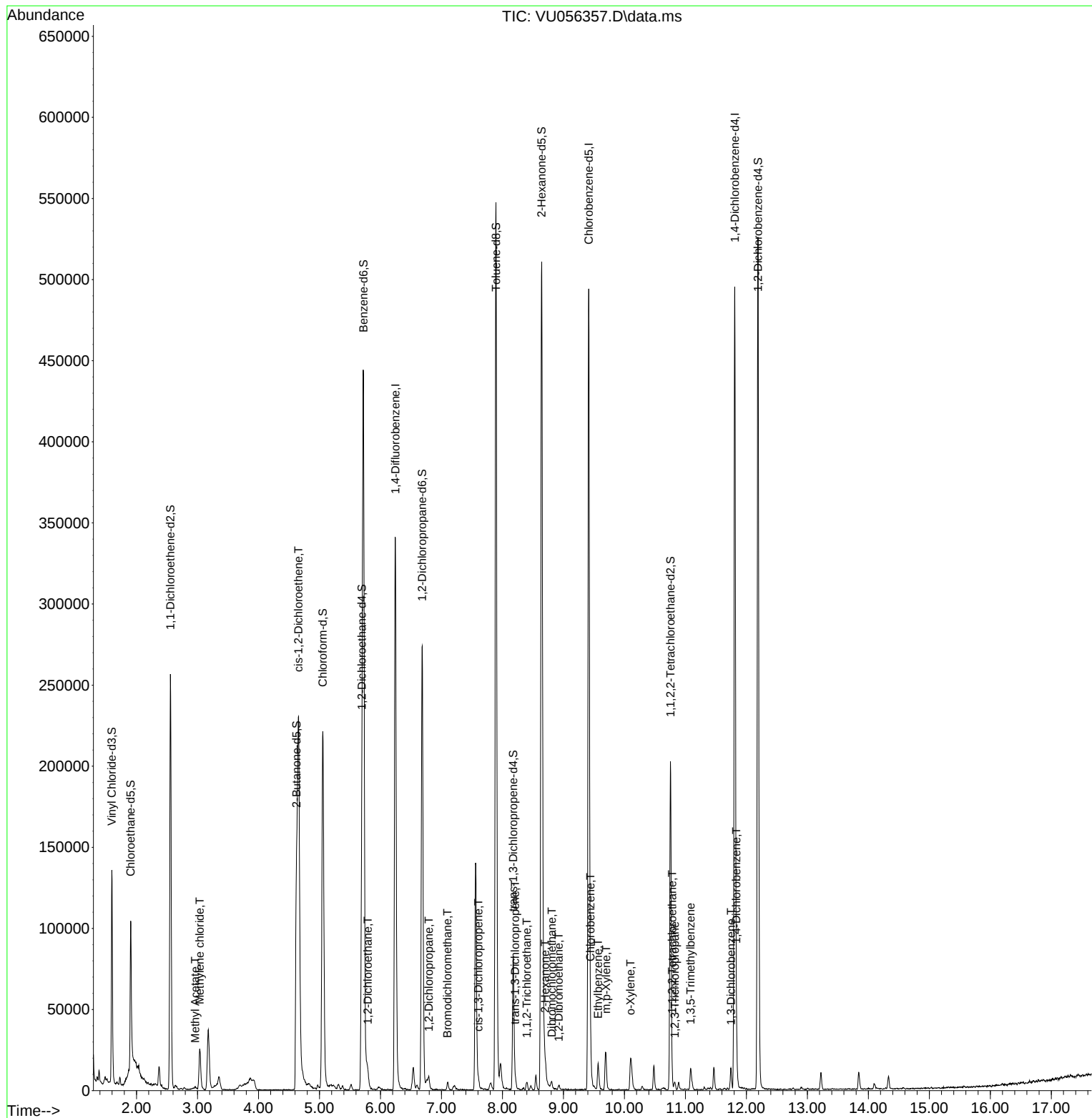
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.749	146	5447	0.143	ug/L	92
65) 1,4-Dichlorobenzene	11.836	146	10703	0.280	ug/L	96

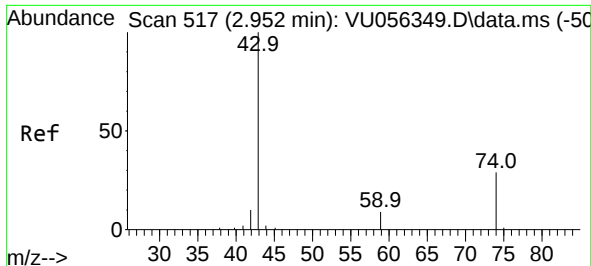
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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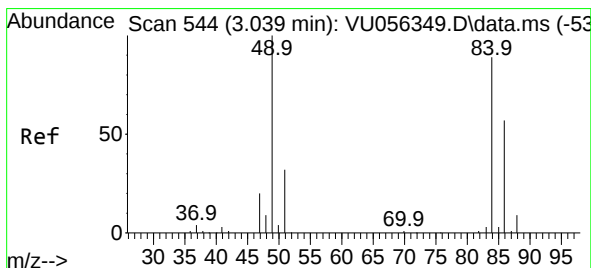
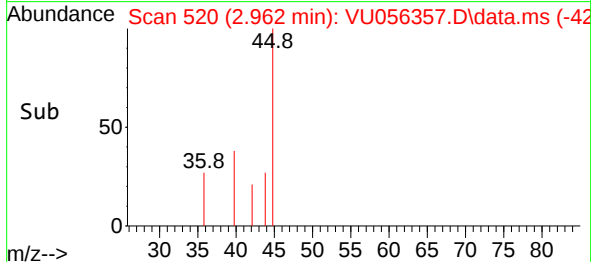
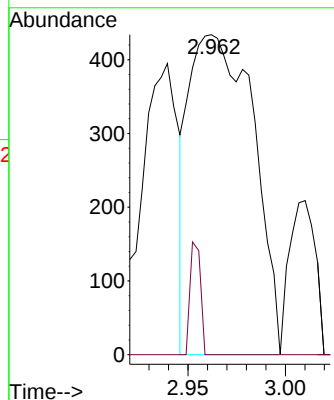
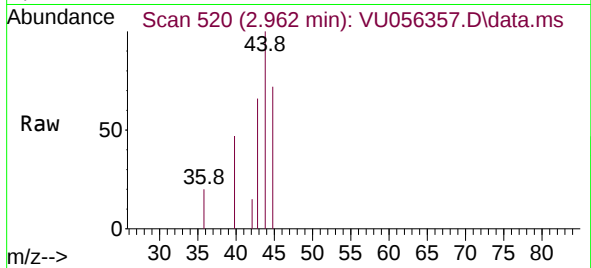




#15
Methyl Acetate
Concen: 0.156 ug/L
RT: 2.962 min Scan# 517
Delta R.T. 0.010 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02

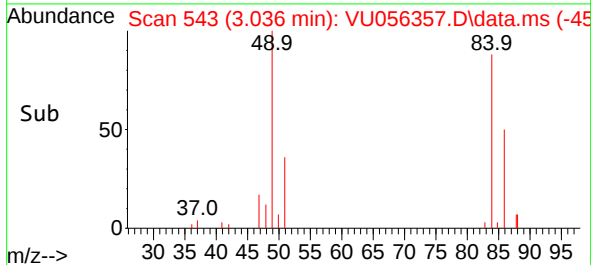
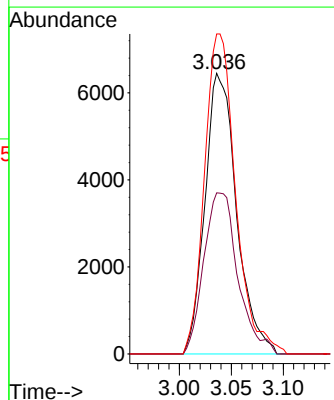
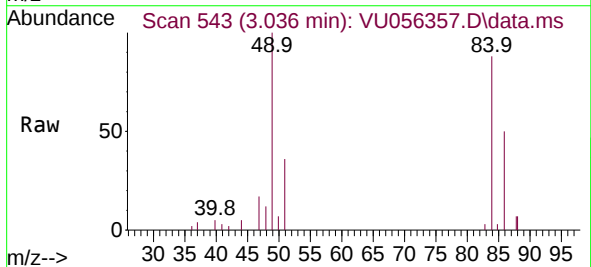
Instrument :
MSVOA_U
ClientSampleId :

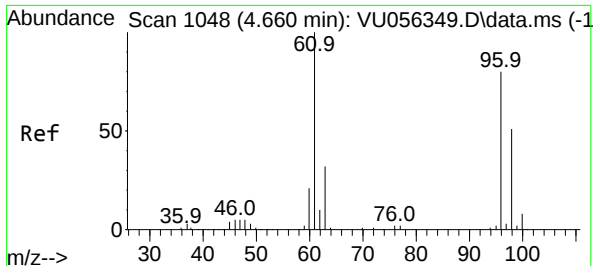
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
74 5.7 20.6 31.0#



#16
Methylene chloride
Concen: 0.596 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02

Tgt Ion: 84 Resp: 13638
Ion Ratio Lower Upper
84 100
86 57.4 44.7 83.1
49 114.0 81.8 152.0





#22

cis-1,2-Dichloroethene

Concen: 4.768 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU056357.D

Acq: 15 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

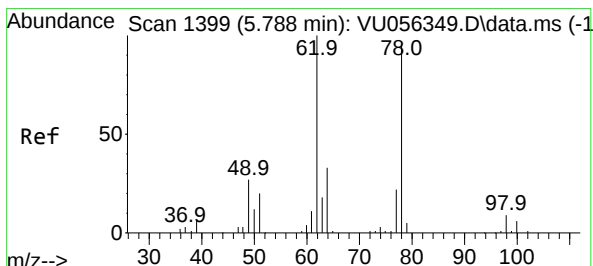
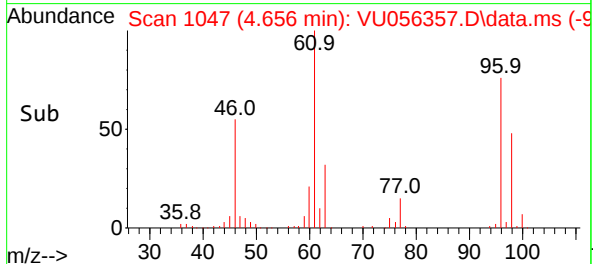
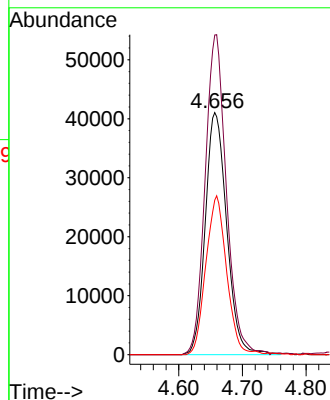
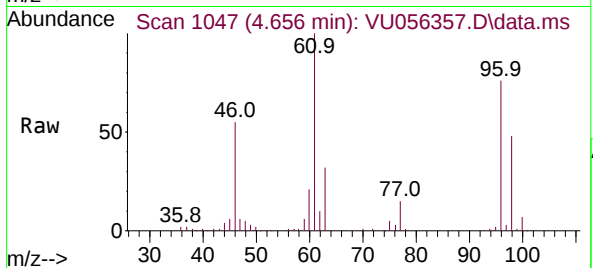
Tgt Ion: 96 Resp: 96254

Ion Ratio Lower Upper

96 100

61 132.1 93.2 173.2

98 63.9 44.8 83.2



#27

1,2-Dichloroethane

Concen: 0.326 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU056357.D

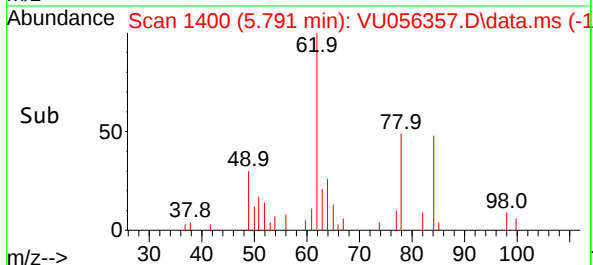
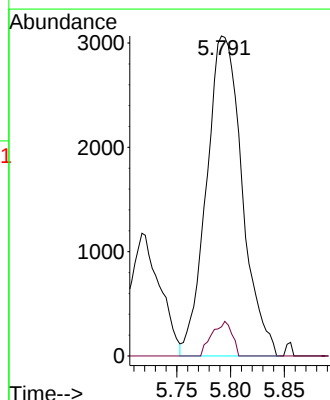
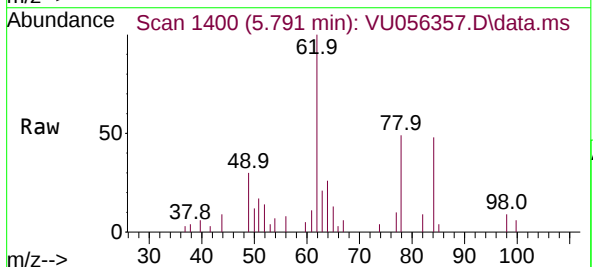
Acq: 15 Nov 2023 16:02

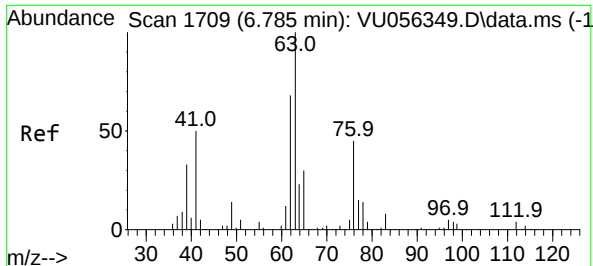
Tgt Ion: 62 Resp: 7070

Ion Ratio Lower Upper

62 100

98 9.1 6.6 10.0





#37

1,2-Dichloropropane

Concen: 0.169 ug/L

RT: 6.791 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU056357.D

Acq: 15 Nov 2023 16:02

Instrument :

MSVOA_U

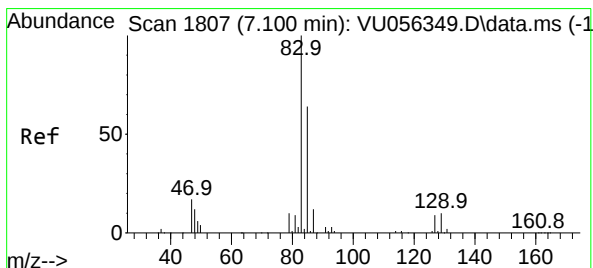
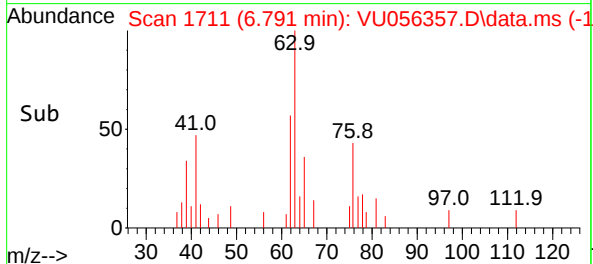
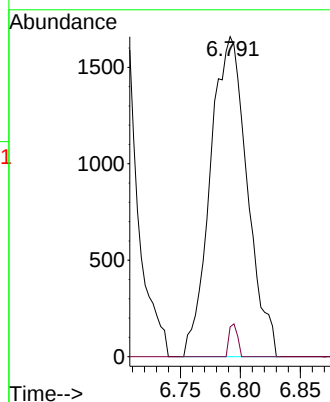
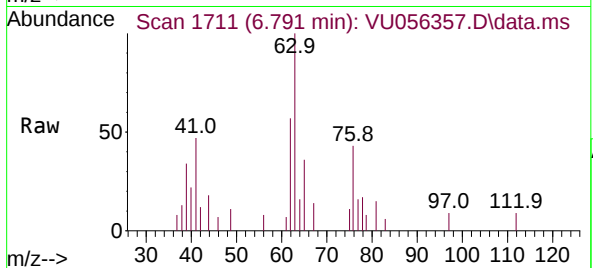
ClientSampleId :

Tgt Ion: 63 Resp: 3551

Ion Ratio Lower Upper

63 100

112 2.3 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.114 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056357.D

Acq: 15 Nov 2023 16:02

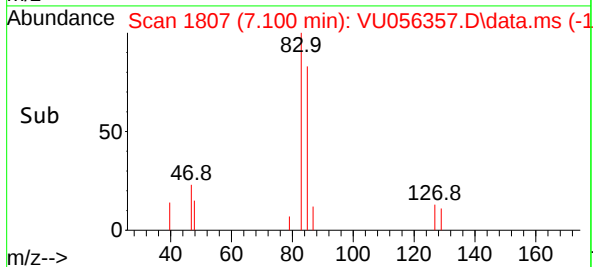
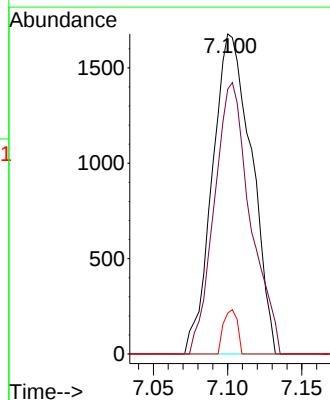
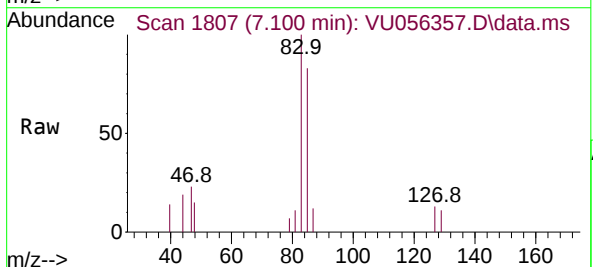
Tgt Ion: 83 Resp: 3076

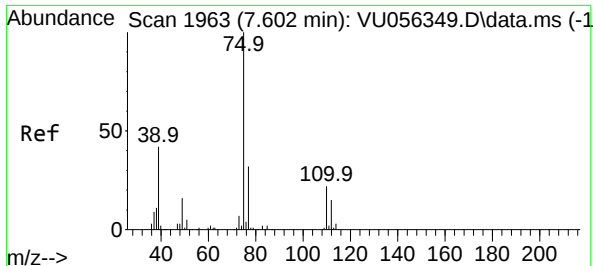
Ion Ratio Lower Upper

83 100

85 82.8 44.9 83.5

127 12.8 6.9 10.3#





#39

cis-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU056357.D

Acq: 15 Nov 2023 16:02

Instrument :

MSVOA_U

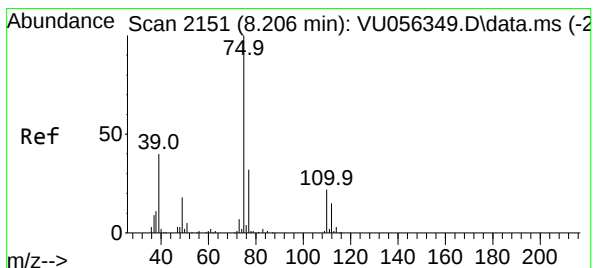
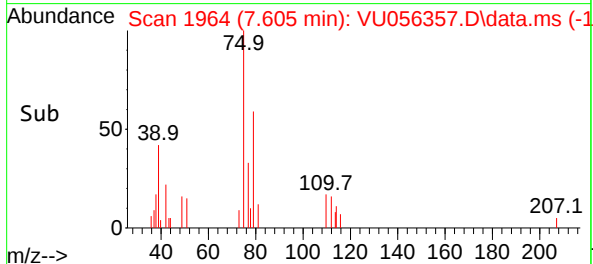
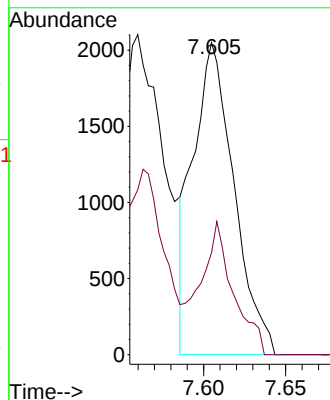
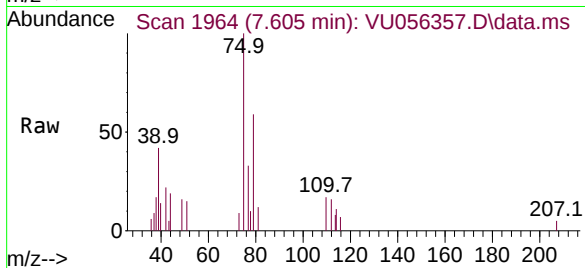
ClientSampleId :

Tgt Ion: 75 Resp: 3553

Ion Ratio Lower Upper

75 100

77 32.7 21.5 39.9



#44

trans-1,3-Dichloropropene

Concen: 0.154 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056357.D

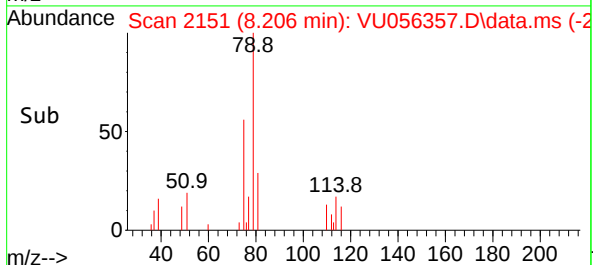
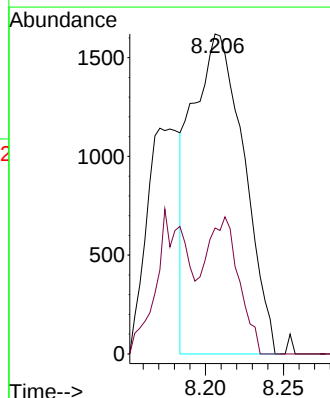
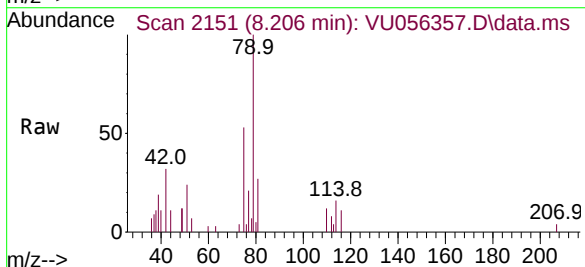
Acq: 15 Nov 2023 16:02

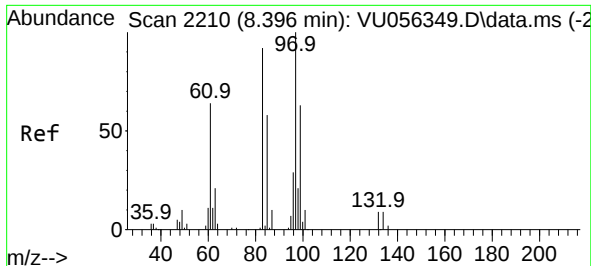
Tgt Ion: 75 Resp: 3769

Ion Ratio Lower Upper

75 100

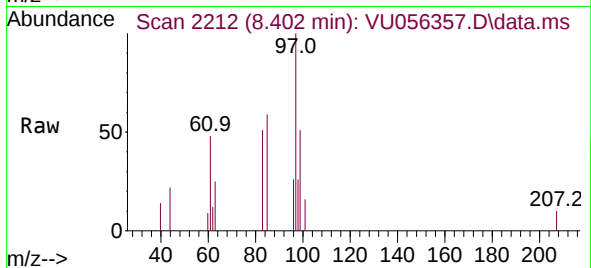
77 39.3 22.8 42.4



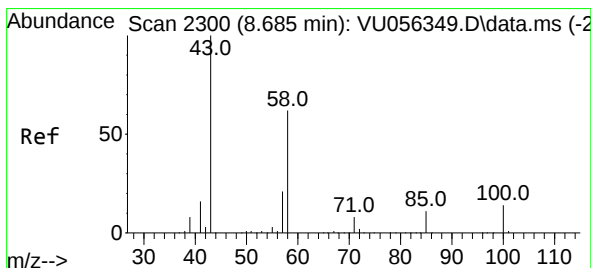
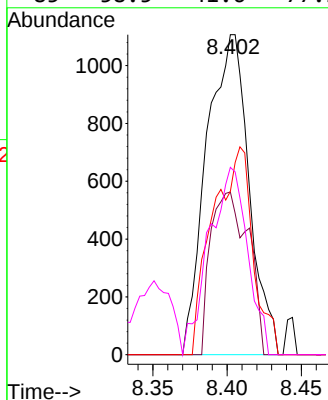
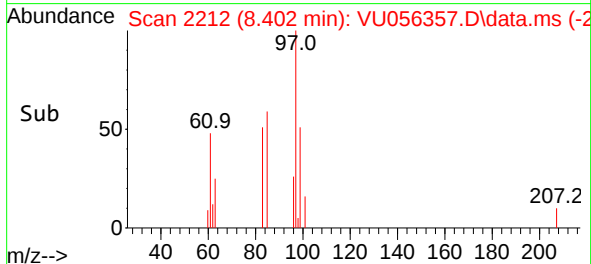


#45
1,1,2-Trichloroethane
Concen: 0.157 ug/L
RT: 8.402 min Scan# 2197
Delta R.T. 0.006 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02

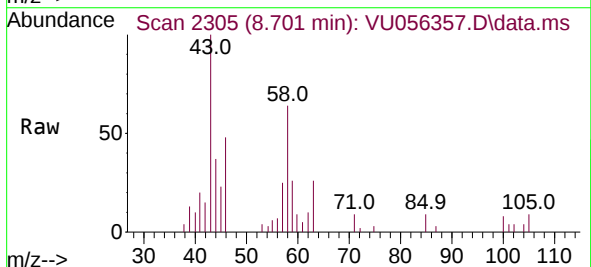
Instrument :
MSVOA_U
ClientSampleId :



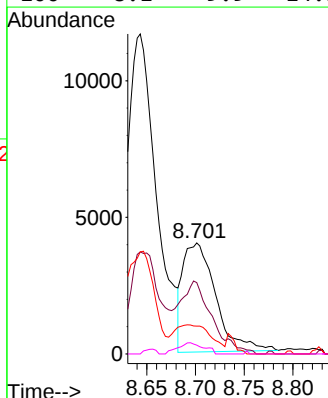
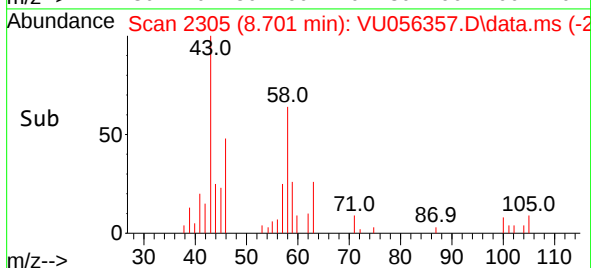
Tgt Ion	Ratio	Lower	Upper
97	100		
99	50.9	44.3	82.3
83	51.0	65.4	121.4#
85	58.5	41.6	77.3

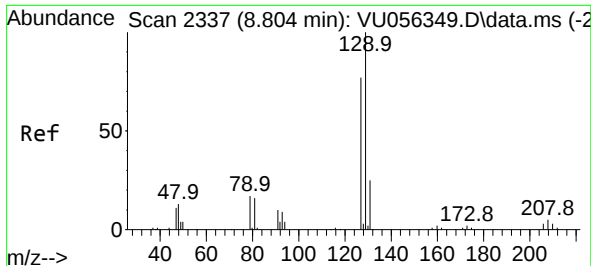


#48
2-Hexanone
Concen: 1.154 ug/L
RT: 8.701 min Scan# 2305
Delta R.T. 0.016 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02



Tgt Ion	Ratio	Lower	Upper
43	100		
58	65.7	48.7	73.1
57	29.9	16.8	25.2#
100	8.1	9.9	14.9#





#49

Dibromochloromethane

Concen: 0.129 ug/L

RT: 8.807 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU056357.D

Acq: 15 Nov 2023 16:02

Instrument :

MSVOA_U

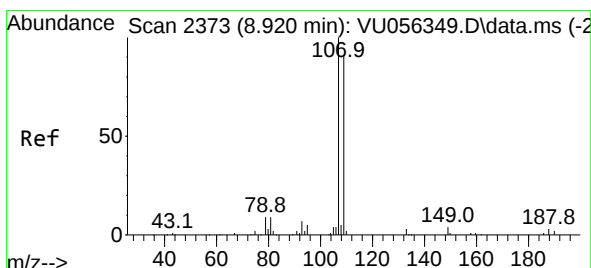
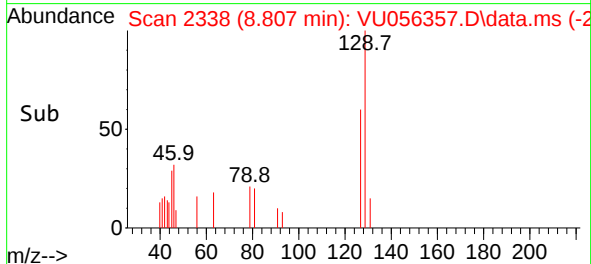
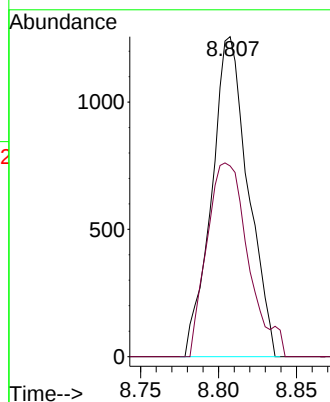
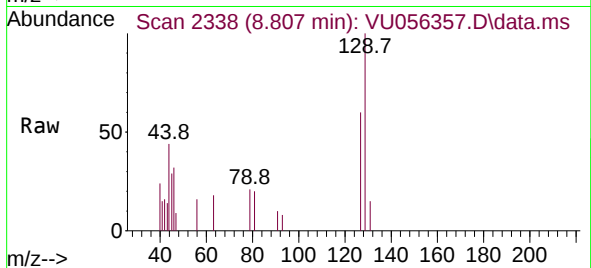
ClientSampleId :

Tgt Ion:129 Resp: 2042

Ion Ratio Lower Upper

129 100

127 59.6 52.9 98.3



#50

1,2-Dibromoethane

Concen: 0.111 ug/L

RT: 8.923 min Scan# 2374

Delta R.T. 0.003 min

Lab File: VU056357.D

Acq: 15 Nov 2023 16:02

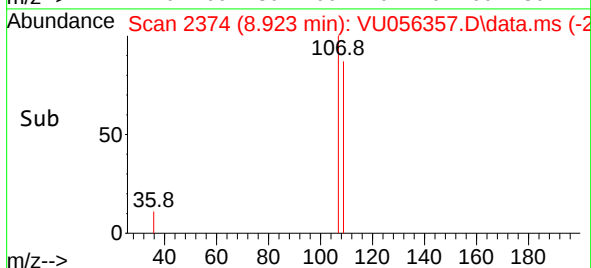
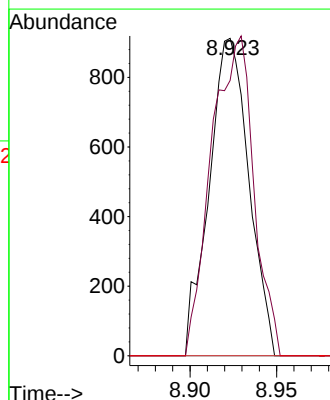
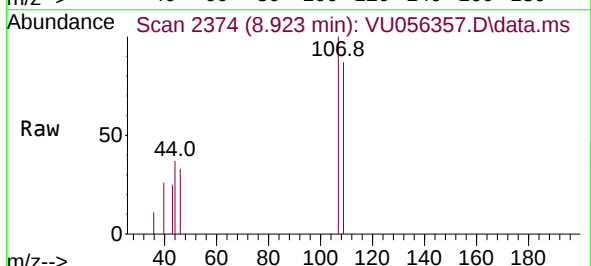
Tgt Ion:107 Resp: 1457

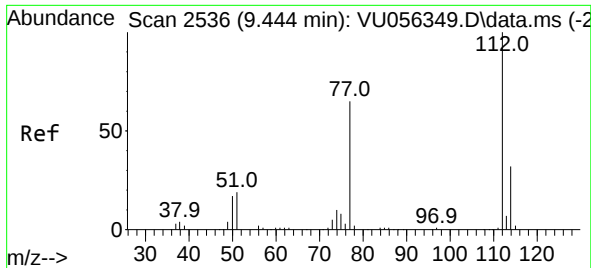
Ion Ratio Lower Upper

107 100

109 86.7 64.2 119.2

188 0.0 2.6 4.0#

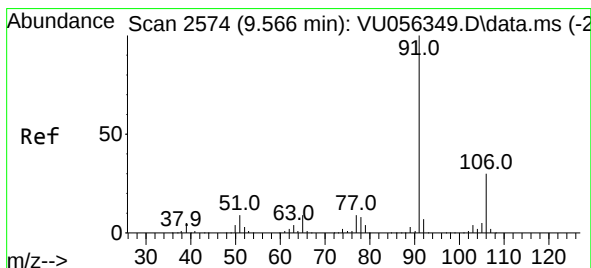
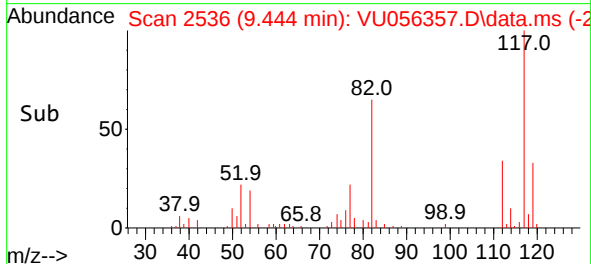
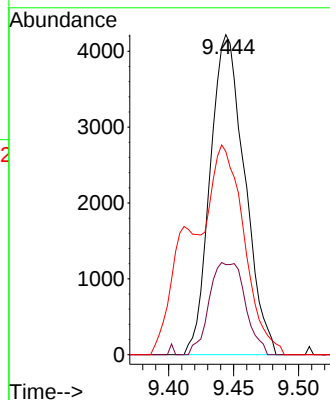
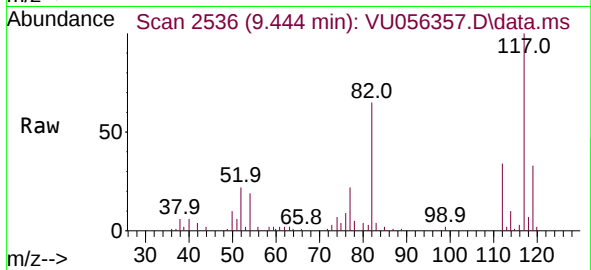




#51
Chlorobenzene
Concen: 0.145 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02

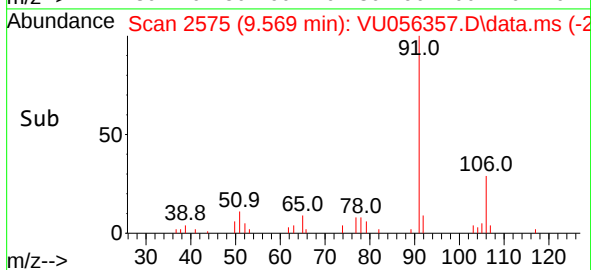
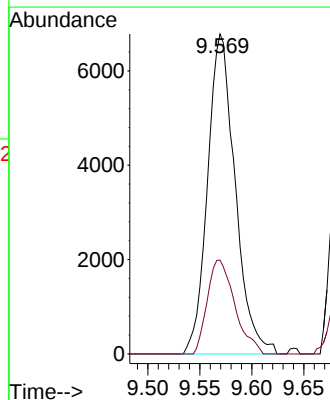
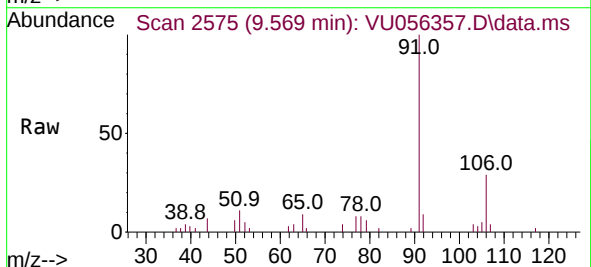
Instrument :
MSVOA_U
ClientSampleId :

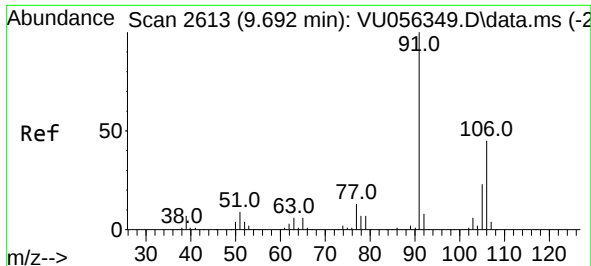
Tgt Ion:112 Resp: 7758
Ion Ratio Lower Upper
112 100
114 28.2 22.5 41.7
77 63.5 51.7 77.5



#52
Ethylbenzene
Concen: 0.135 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02

Tgt Ion: 91 Resp: 12499
Ion Ratio Lower Upper
91 100
106 29.3 21.1 39.1

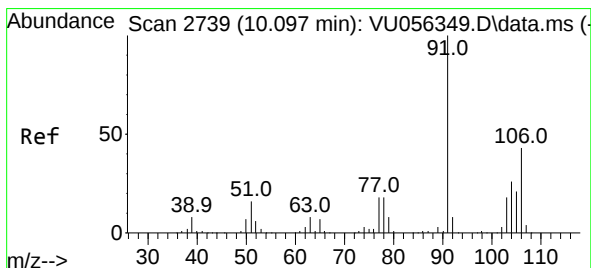
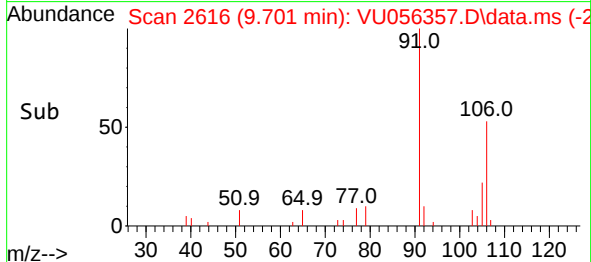
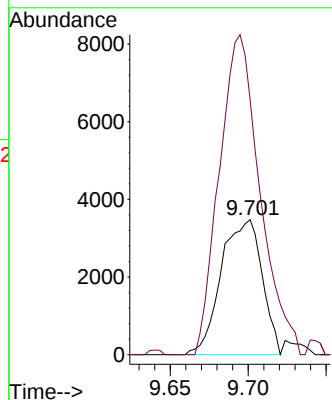
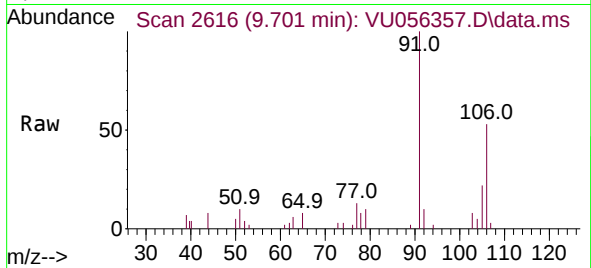




#53
m,p-Xylene
Concen: 0.186 ug/L
RT: 9.701 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02

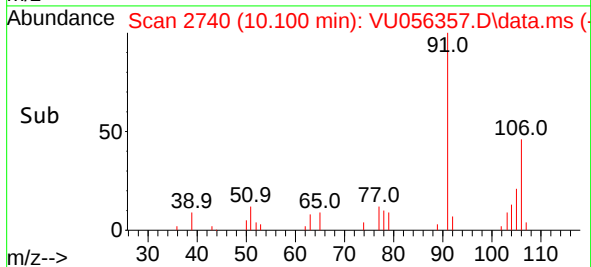
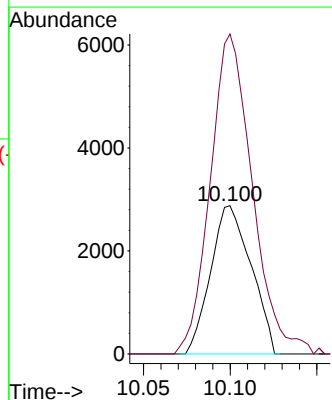
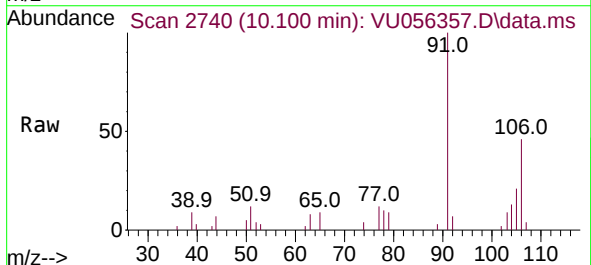
Instrument :
MSVOA_U
ClientSampleId :

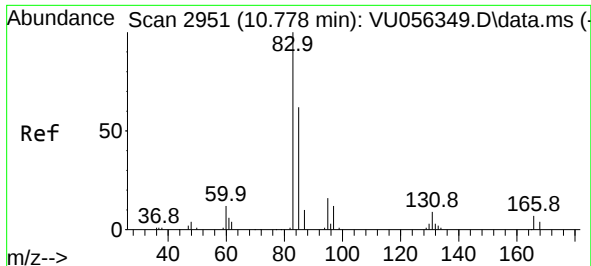
Tgt Ion:106 Resp: 6332
Ion Ratio Lower Upper
106 100
91 188.6 149.6 277.8



#54
o-Xylene
Concen: 0.142 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.003 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02

Tgt Ion:106 Resp: 4671
Ion Ratio Lower Upper
106 100
91 215.8 159.3 295.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.133 ug/L

RT: 10.782 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU056357.D

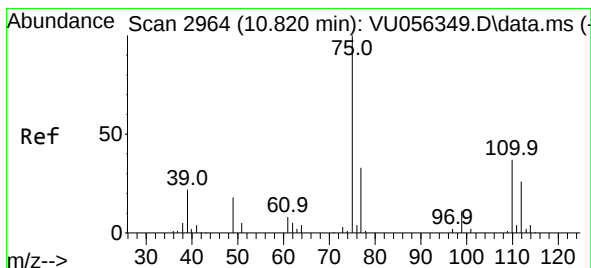
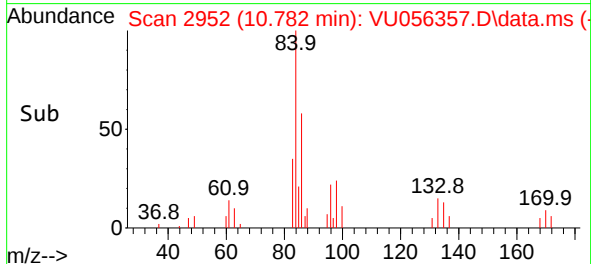
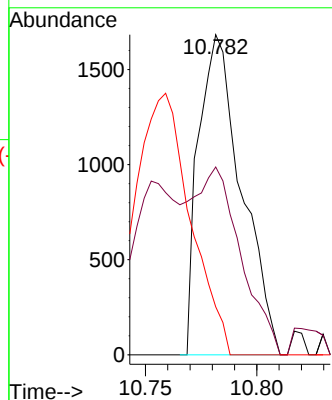
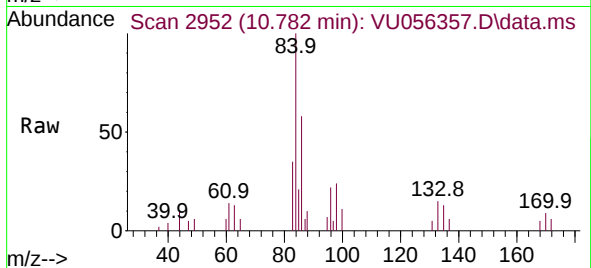
Acq: 15 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	2258
Ion	Ratio	Lower	Upper
83	100		
85	58.6	46.3	86.1
131	15.0	6.7	10.1#



#61

1,2,3-Trichloropropane

Concen: 0.158 ug/L

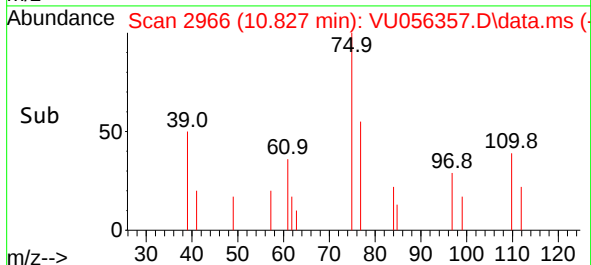
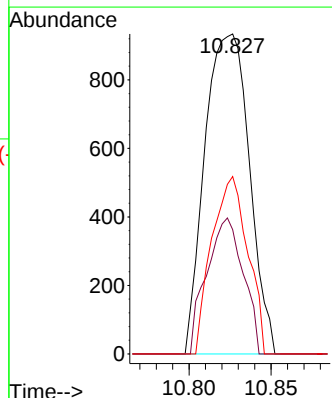
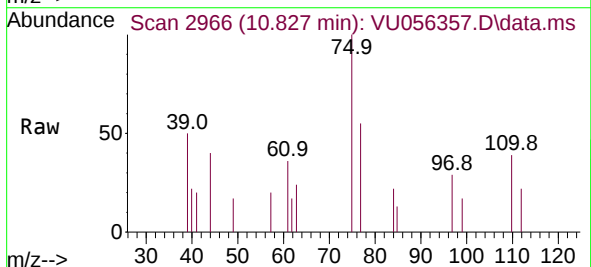
RT: 10.827 min Scan# 2966

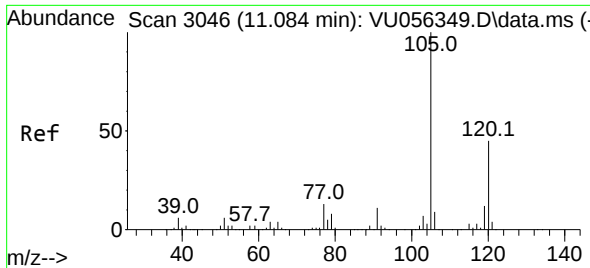
Delta R.T. 0.006 min

Lab File: VU056357.D

Acq: 15 Nov 2023 16:02

Tgt Ion:	75	Resp:	1762
Ion	Ratio	Lower	Upper
75	100		
110	34.8	30.4	45.6
77	44.7	27.0	40.6#

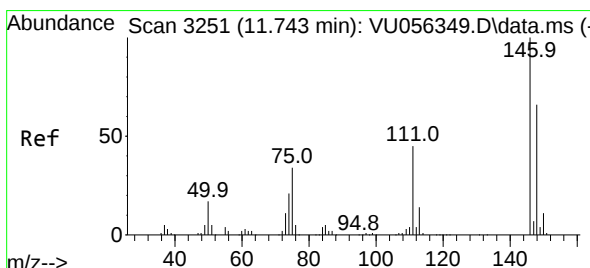
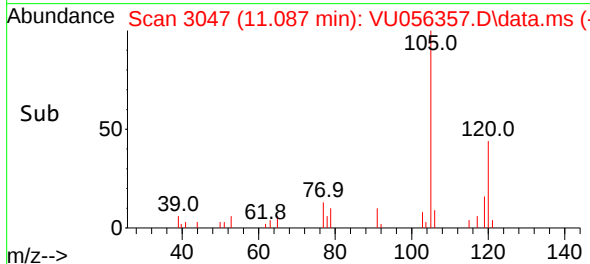
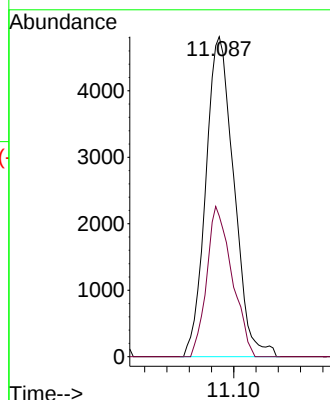
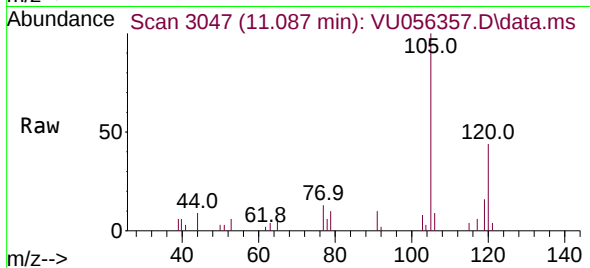




#62
1,3,5-Trimethylbenzene
Concen: 0.123 ug/L
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02

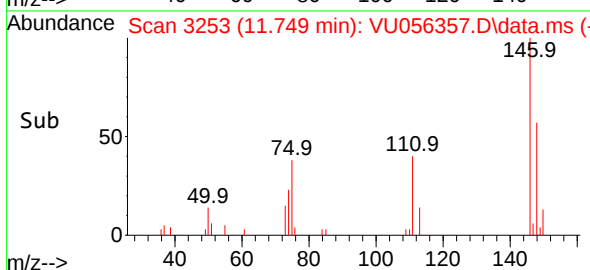
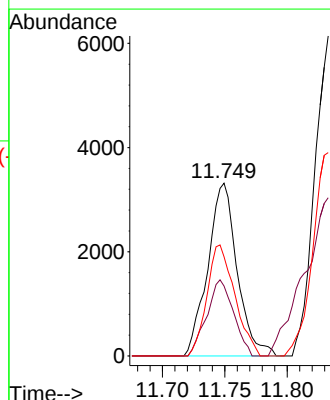
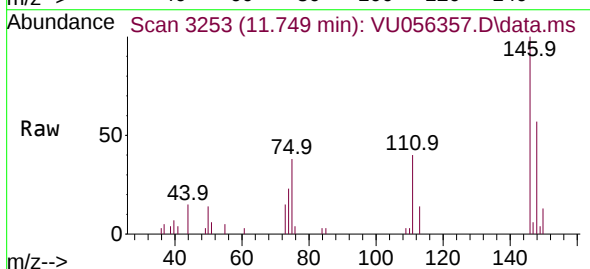
Instrument :
MSVOA_U
ClientSampleId :

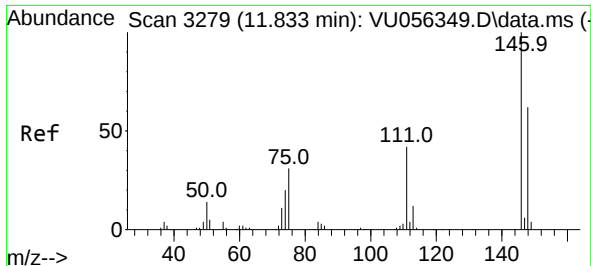
Tgt Ion:105 Resp: 8442
Ion Ratio Lower Upper
105 100
120 42.1 37.2 55.8



#64
1,3-Dichlorobenzene
Concen: 0.143 ug/L
RT: 11.749 min Scan# 3253
Delta R.T. 0.006 min
Lab File: VU056357.D
Acq: 15 Nov 2023 16:02

Tgt Ion:146 Resp: 5447
Ion Ratio Lower Upper
146 100
111 40.4 31.1 57.7
148 57.4 45.1 83.9





#65

1,4-Dichlorobenzene

Concen: 0.280 ug/L

RT: 11.836 min Scan# 31

Delta R.T. 0.003 min

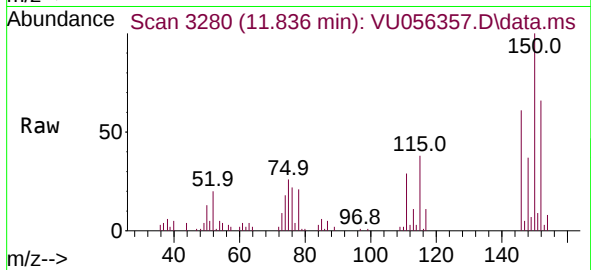
Lab File: VU056357.D

Acq: 15 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 10703

Ion Ratio Lower Upper

146 100

111 46.9 30.5 56.7

148 60.9 44.8 83.2

