

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054529.D
 Acq On : 15 Jun 2023 16:24
 Operator : MD/SY
 Sample : 03253-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY3

Quant Time: Jun 16 01:32:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	263673	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	264864	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	125538	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	63644	3.793	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.800%
7) Chloroethane-d5	1.914	69	77424	4.928	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.566	65	30907	4.124	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.400%
20) 2-Butanone-d5	4.627	46	243654	51.644	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.280%
24) Chloroform-d	5.062	84	175415	5.001	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.698	65	87577	5.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.724	84	339833	4.616	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.688	67	119513	4.861	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.894	98	270991	4.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	8.180	79	33793	3.952	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.630	63	162867	45.401	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.800%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	87746	4.785	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	106481	5.029	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	4284	0.224	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	13784	0.292	ug/L	98
19) 1,1-Dichloroethane	3.869	63	4935	0.121	ug/L	97
22) cis-1,2-Dichloroethene	4.666	96	6552	0.291	ug/L	93
25) Chloroform	5.087	83	28019	0.696	ug/L	94
29) 1,1,1-Trichloroethane	5.312	97	38625	1.075	ug/L	97
31) Carbon tetrachloride	5.309	117	5304	0.171	ug/L	96
34) Trichloroethene	6.541	95	11467	0.456	ug/L	93
35) Methylcyclohexane	6.685	83	26097	0.686	ug/L #	16
37) 1,2-Dichloropropane	6.688	63	12131	0.471	ug/L #	88
38) Bromodichloromethane	7.110	83	2427	0.083	ug/L	82
42) Toluene	7.968	91	23960	0.244	ug/L	92
47) Tetrachloroethene	8.550	164	25425	1.320	ug/L	98
48) 2-Hexanone	8.685	43	14585	1.425	ug/L #	77
49) Dibromochloromethane	8.550	129	24550	1.428	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	15307	1.207	ug/L #	70

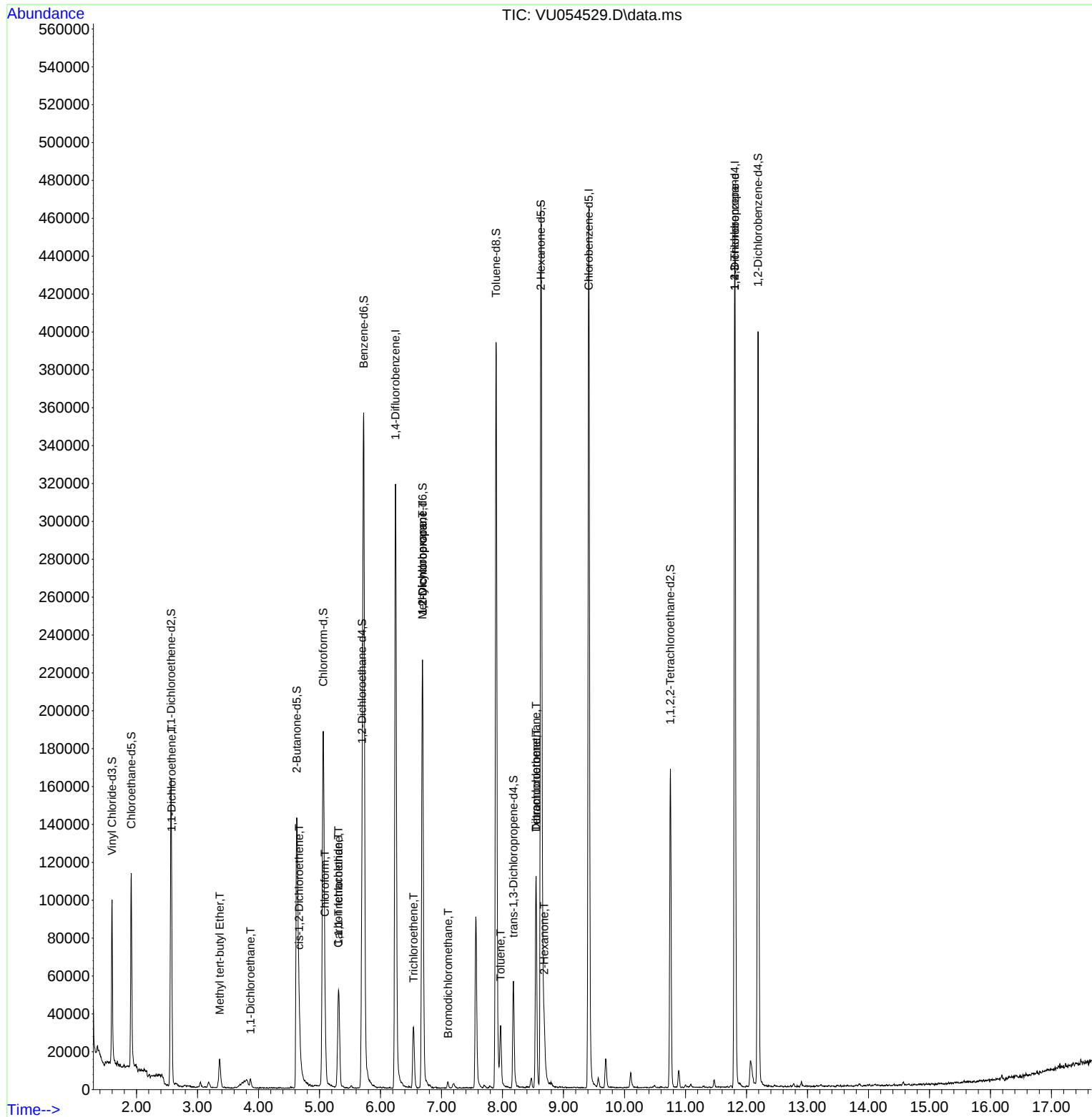
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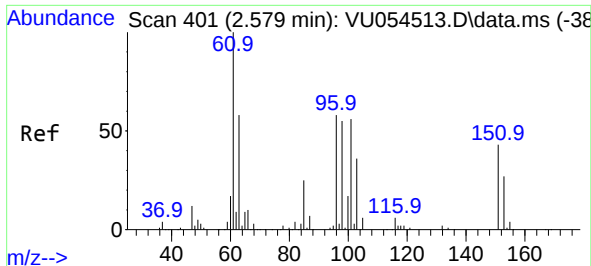
Instrument :
MSVOA_U
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#12

1,1-Dichloroethene

Concen: 0.224 ug/L

RT: 2.576 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

EXYY3

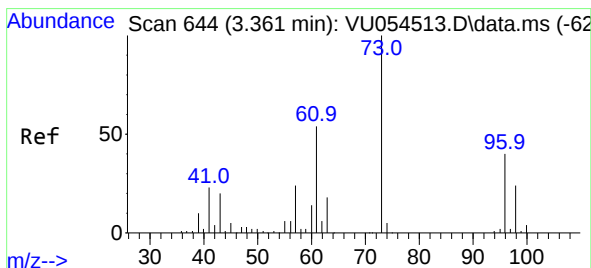
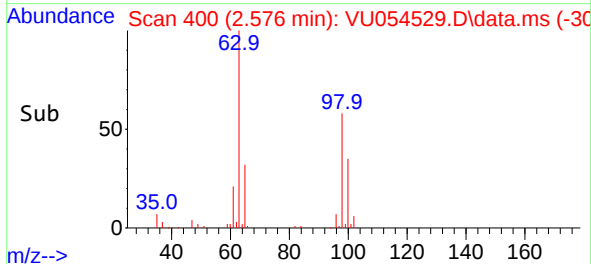
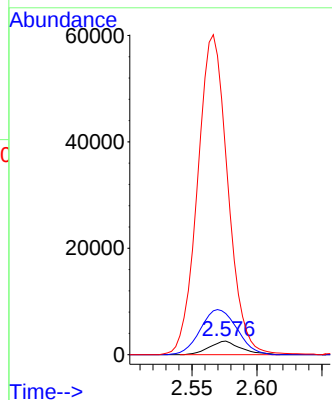
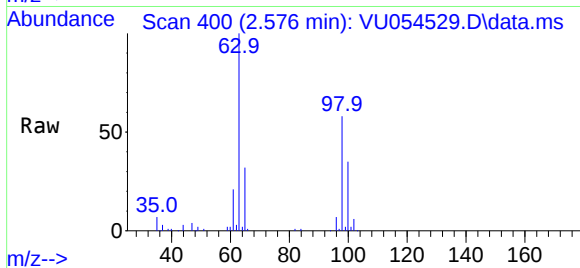
Tgt Ion: 96 Resp: 4284

Ion Ratio Lower Upper

96 100

61 301.2 119.9 222.7#

63 1463.3 64.3 119.3#



#17

Methyl tert-butyl Ether

Concen: 0.292 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

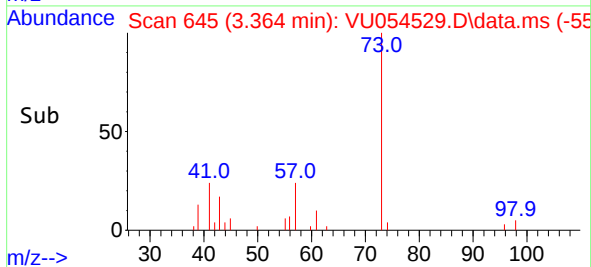
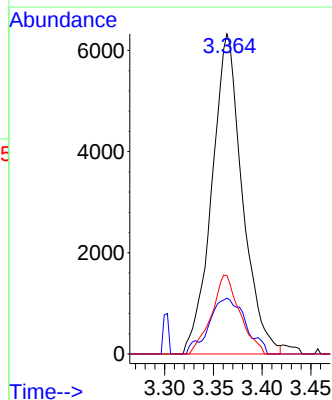
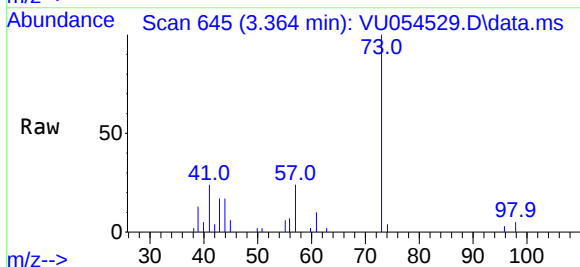
Tgt Ion: 73 Resp: 13784

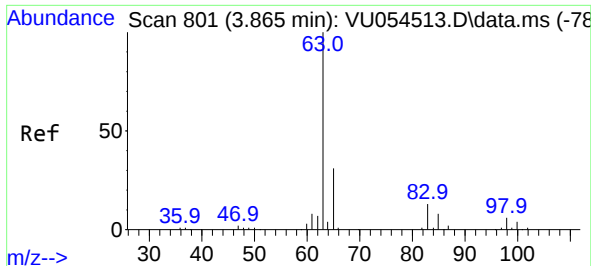
Ion Ratio Lower Upper

73 100

43 20.9 15.7 23.5

57 22.8 18.6 28.0





#19

1,1-Dichloroethane

Concen: 0.121 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

EXYY3

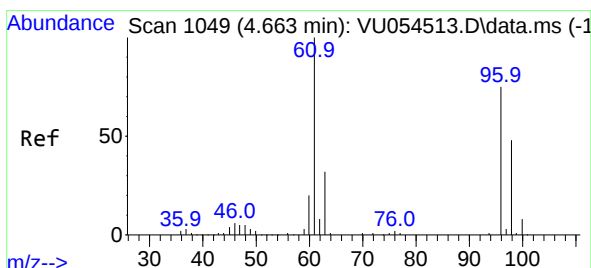
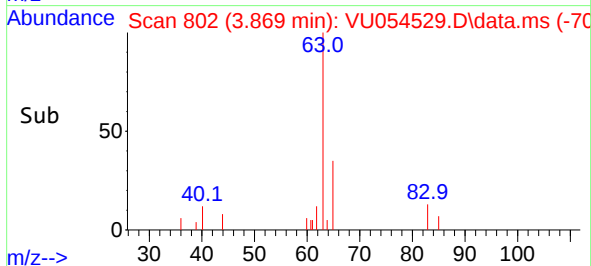
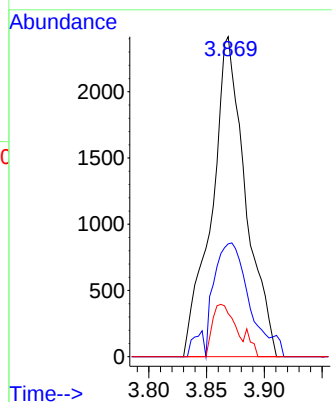
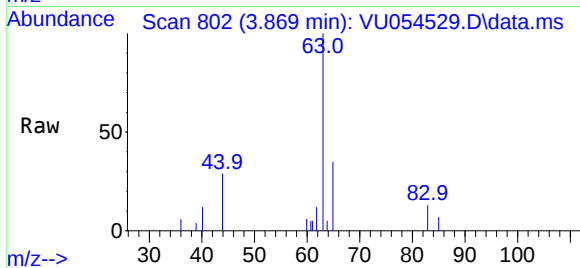
Tgt Ion: 63 Resp: 4935

Ion Ratio Lower Upper

63 100

65 33.7 22.2 41.2

83 12.9 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 0.291 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

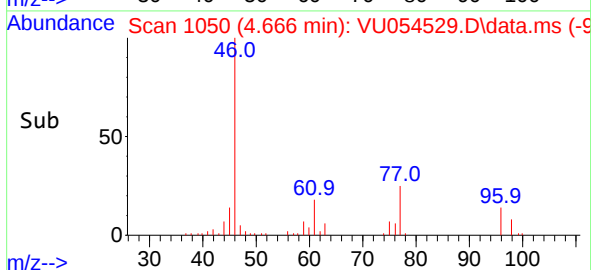
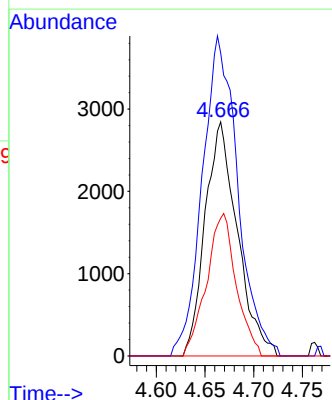
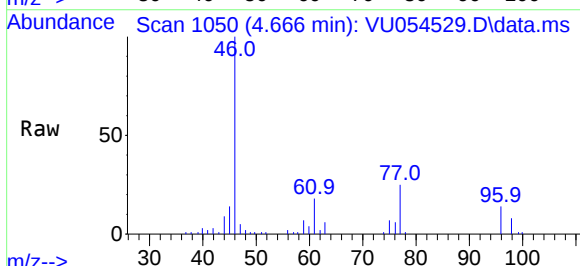
Tgt Ion: 96 Resp: 6552

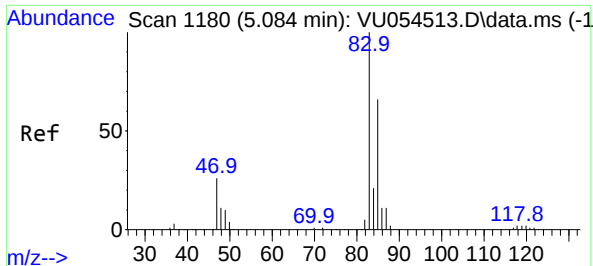
Ion Ratio Lower Upper

96 100

61 129.5 96.5 179.1

98 58.9 44.9 83.3





#25

Chloroform

Concen: 0.696 ug/L

RT: 5.087 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

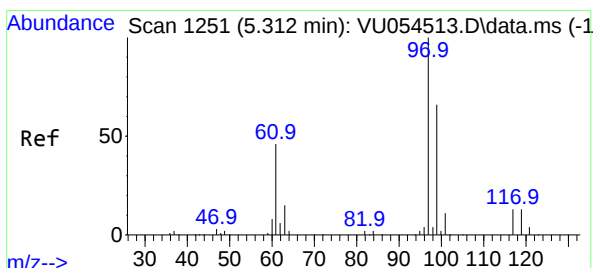
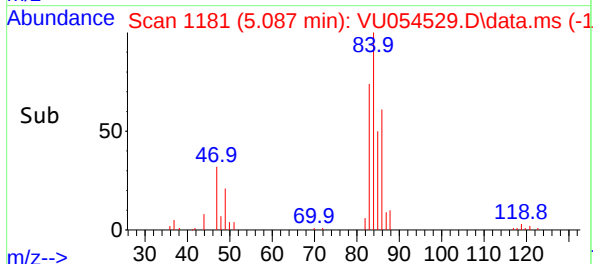
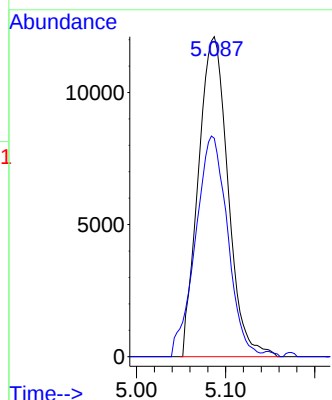
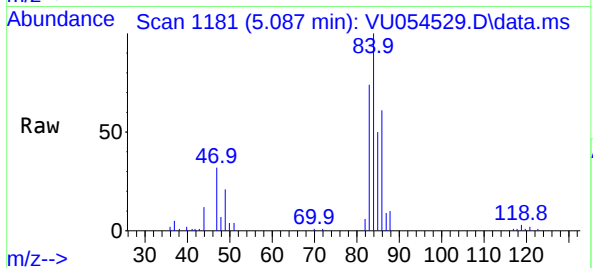
EXYY3

Tgt Ion: 83 Resp: 28019

Ion Ratio Lower Upper

83 100

85 68.2 44.7 82.9



#29

1,1,1-Trichloroethane

Concen: 1.075 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

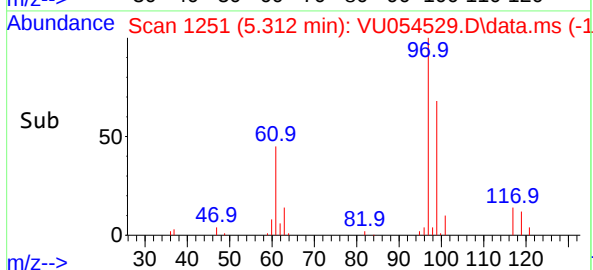
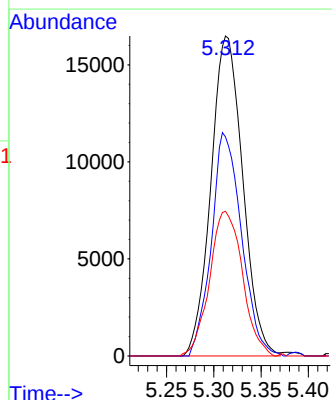
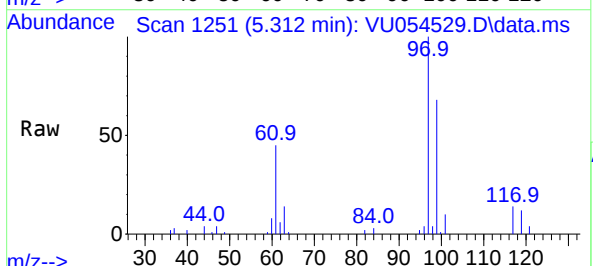
Tgt Ion: 97 Resp: 38625

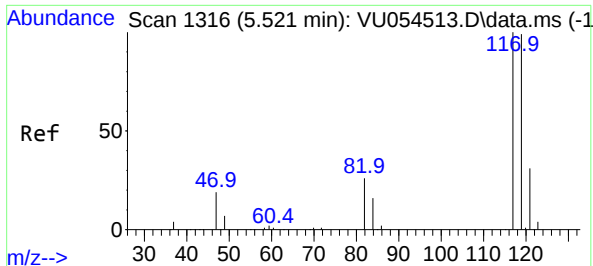
Ion Ratio Lower Upper

97 100

99 66.0 50.8 76.2

61 46.7 36.1 54.1

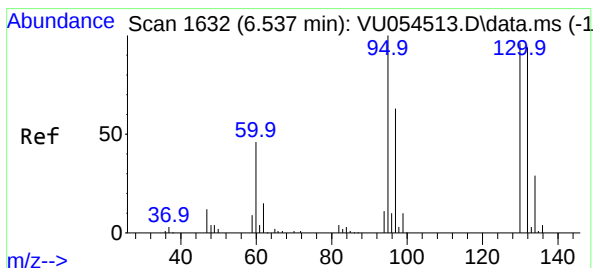
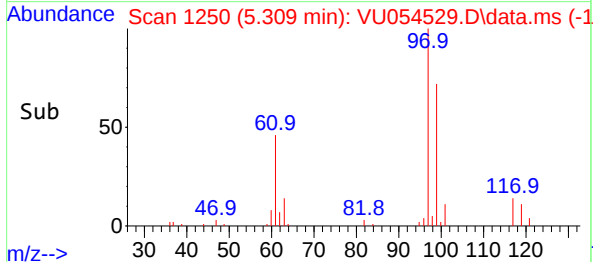
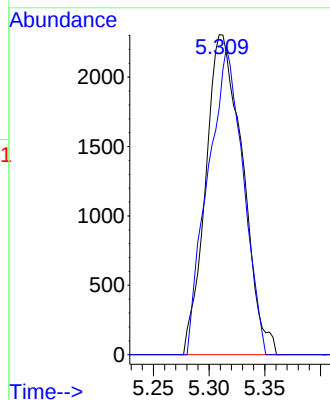
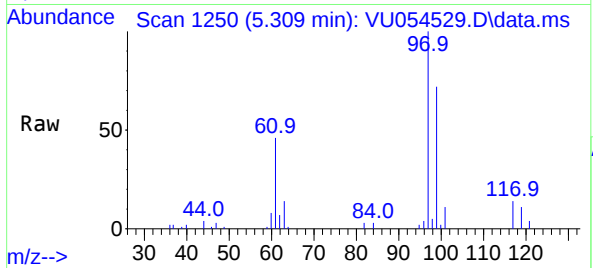




#31
Carbon tetrachloride
Concen: 0.171 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

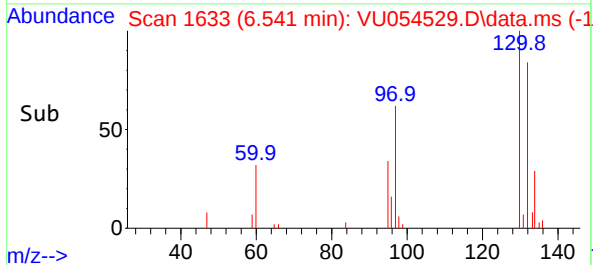
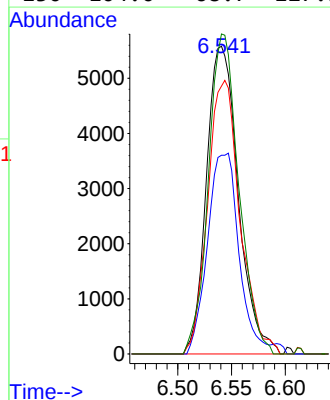
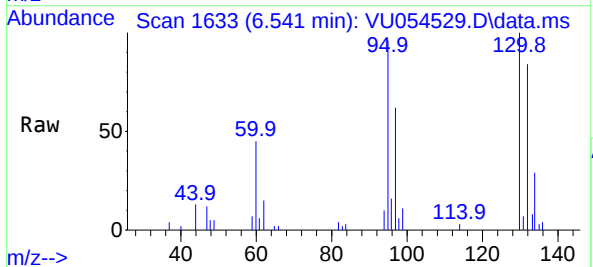
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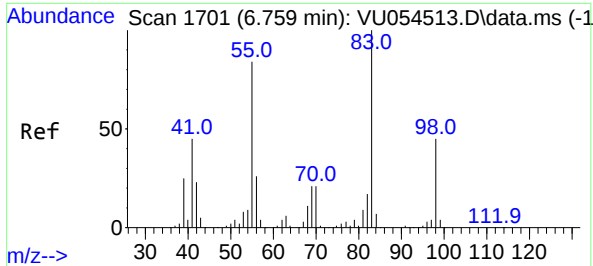
Tgt Ion:117 Resp: 5304
Ion Ratio Lower Upper
117 100
119 91.8 76.8 115.2



#34
Trichloroethene
Concen: 0.456 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

Tgt Ion: 95 Resp: 11467
Ion Ratio Lower Upper
95 100
97 64.6 46.8 87.0
132 87.1 68.4 127.0
130 104.0 68.7 127.5

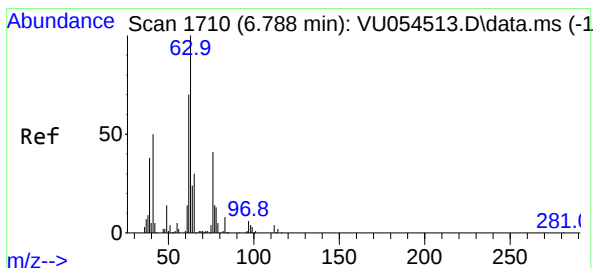
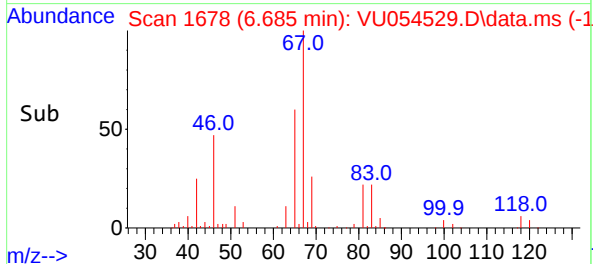
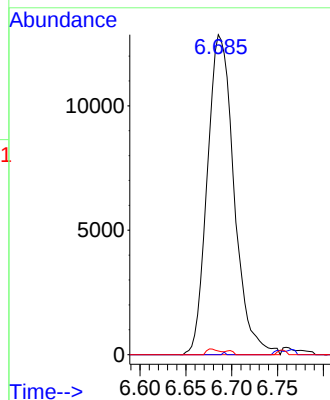
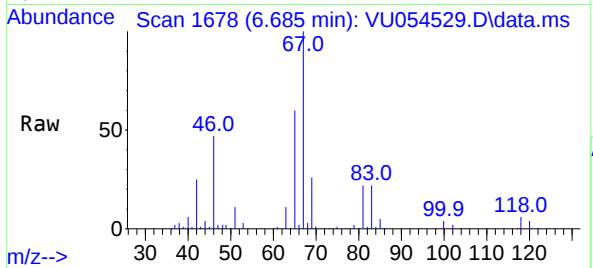




#35
Methylcyclohexane
Concen: 0.686 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

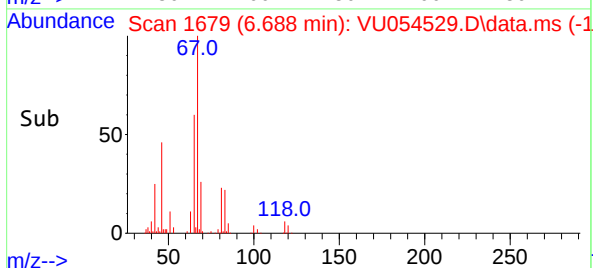
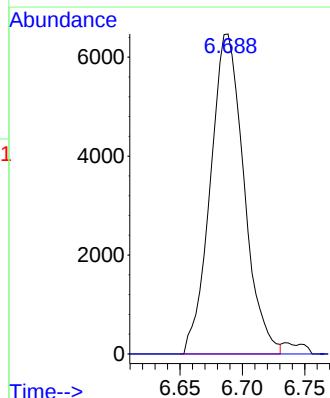
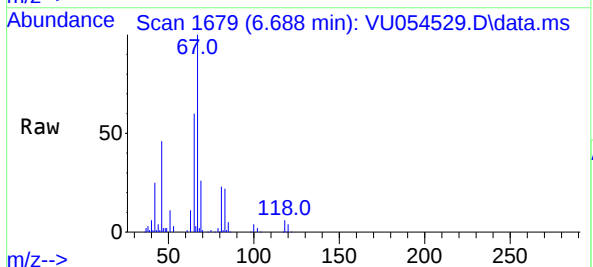
Instrument :
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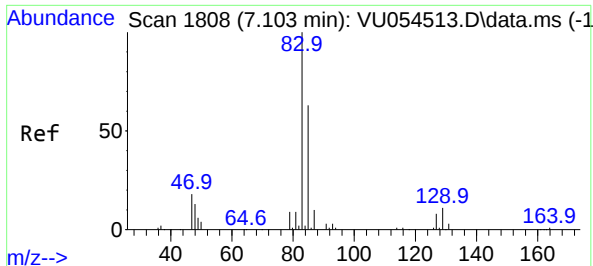
Tgt Ion: 83 Resp: 26097
Ion Ratio Lower Upper
83 100
55 0.1 67.1 100.7#
98 0.3 35.1 52.7#



#37
1,2-Dichloropropane
Concen: 0.471 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

Tgt Ion: 63 Resp: 12131
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#

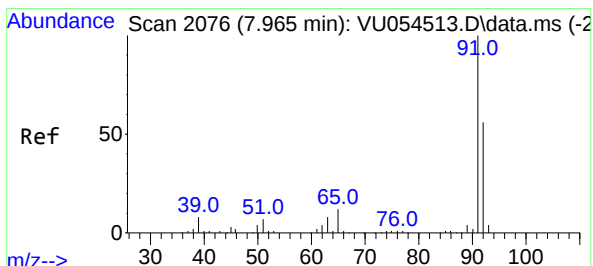
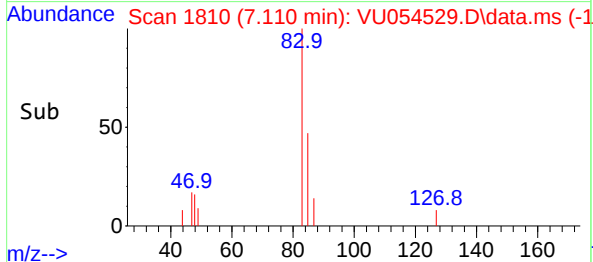
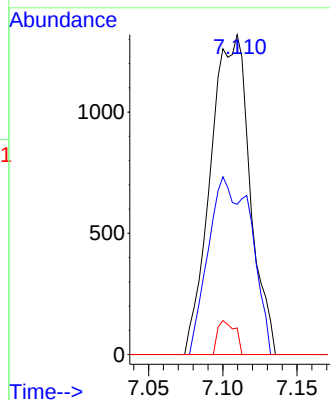
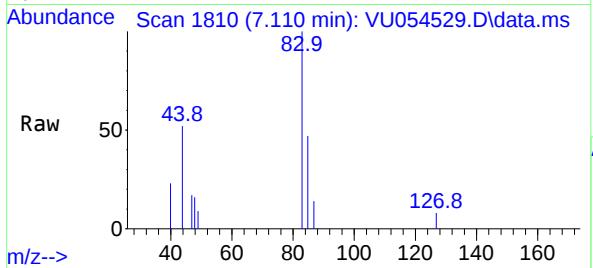




#38
Bromodichloromethane
Concen: 0.083 ug/L
RT: 7.110 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

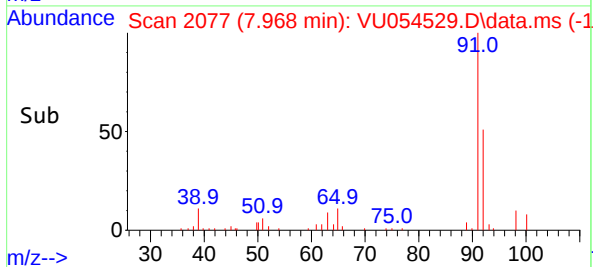
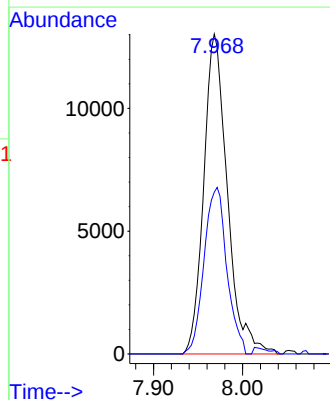
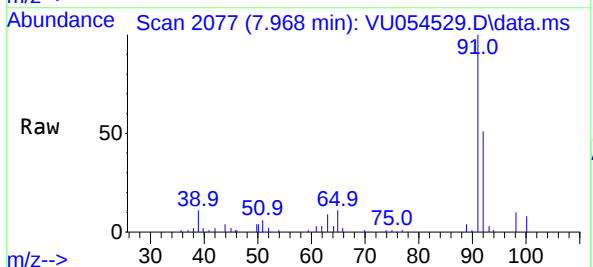
Instrument :
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EXYY3

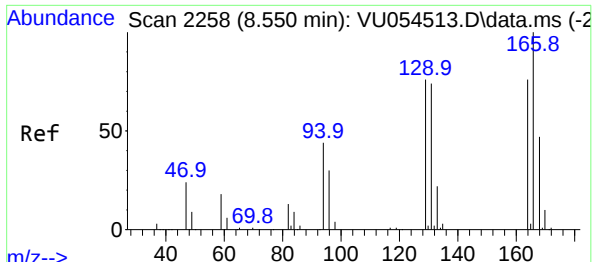
Tgt Ion: 83 Resp: 2427
Ion Ratio Lower Upper
83 100
85 47.0 44.1 81.9
127 8.3 6.6 10.0



#42
Toluene
Concen: 0.244 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

Tgt Ion: 91 Resp: 23960
Ion Ratio Lower Upper
91 100
92 50.6 39.5 73.4



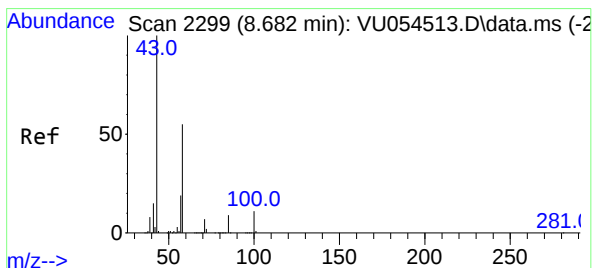
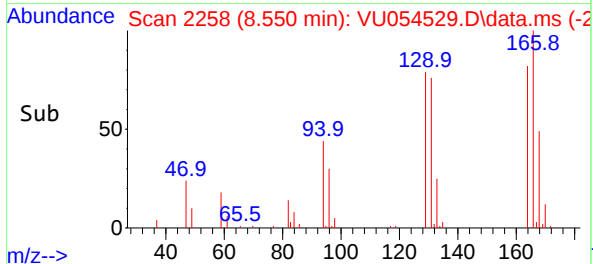
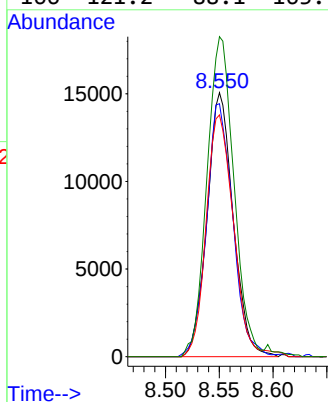
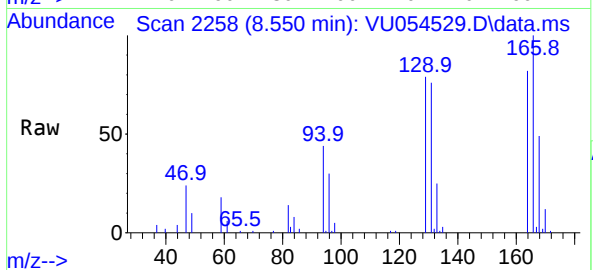


#47
Tetrachloroethene
Concen: 1.320 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

Instrument :
MSVOA_U
ClientSampleId :
EXYY3

Tgt Ion:164 Resp: 25425

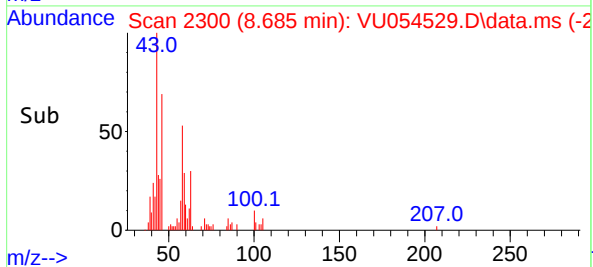
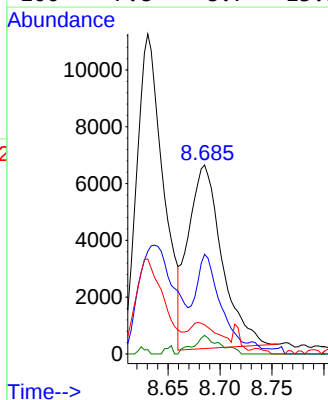
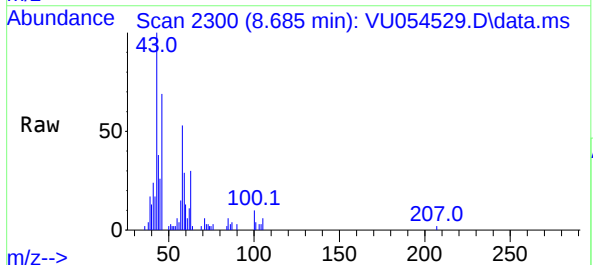
Ion	Ratio	Lower	Upper
164	100		
129	95.9	67.7	125.7
131	91.6	64.6	120.0
166	121.2	88.1	163.7

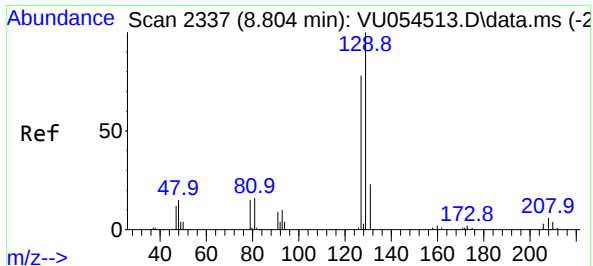


#48
2-Hexanone
Concen: 1.425 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU054529.D
Acq: 15 Jun 2023 16:24

Tgt Ion: 43 Resp: 14585

Ion	Ratio	Lower	Upper
43	100		
58	34.4	45.2	67.8#
57	15.2	15.8	23.6#
100	7.8	8.7	13.1#





#49

Dibromochloromethane

Concen: 1.428 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

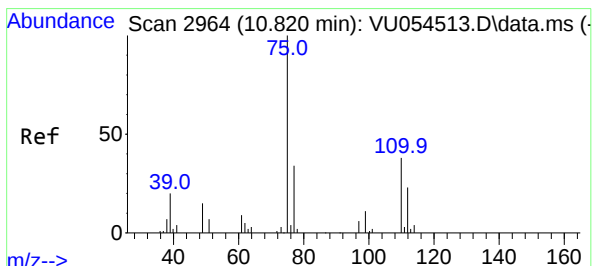
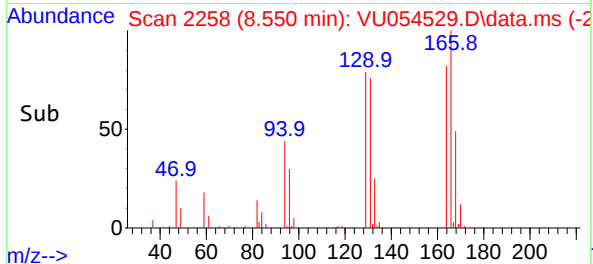
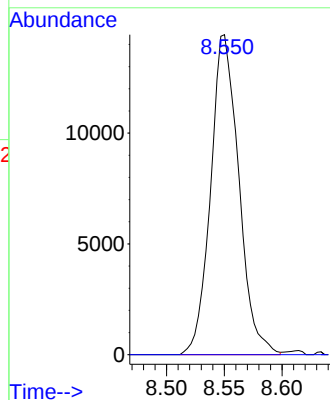
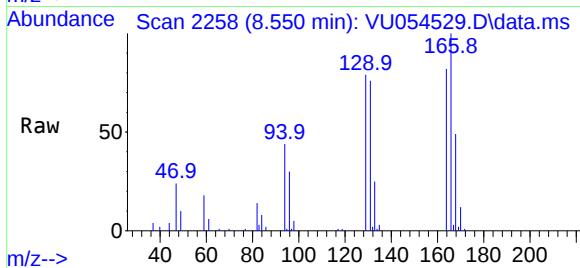
EXYY3

Tgt Ion:129 Resp: 24550

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



#61

1,2,3-Trichloropropane

Concen: 1.207 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU054529.D

Acq: 15 Jun 2023 16:24

Tgt Ion: 75 Resp: 15307

Ion Ratio Lower Upper

75 100

110 2.1 28.0 42.0#

77 32.0 25.4 38.2

