

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
 Data File : VW029577.D
 Acq On : 10 Dec 2022 13:41
 Operator : SY/MD
 Sample : N5928-12 50X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ73

Quant Time: Dec 12 00:06:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 07:45:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	511165	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	470214	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	251069	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	125378	40.055	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.100%
7) Chloroethane-d5	1.561	69	104326	43.709	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.420%
11) 1,1-Dichloroethene-d2	2.105	63	165324	33.863	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.720%
21) 2-Butanone-d5	3.870	46	180058	94.297	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.300%
24) Chloroform-d	4.339	84	237621	40.341	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.680%
26) 1,2-Dichloroethane-d4	5.024	65	142884	42.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.940%
32) Benzene-d6	5.043	84	514576	41.416	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.840%
36) 1,2-Dichloropropane-d6	6.063	67	156336	41.194	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.380%
41) Toluene-d8	7.307	98	461334	39.407	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.820%#
43) trans-1,3-Dichloroprop...	7.612	79	62322	32.520	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.040%
47) 2-Hexanone-d5	8.082	63	143163	88.338	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.340%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	223695	41.247	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.500%
66) 1,2-Dichlorobenzene-d4	11.612	152	189409	39.630	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.260%#
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	6999	1.822	ug/L #	69
8) Chloroethane	1.581	64	1805	0.844	ug/L	94
12) 1,1-Dichloroethene	2.118	96	10921	3.997	ug/L #	1
17) trans-1,2-Dichloroethene	2.757	96	4453	1.414	ug/L	95
19) 1,1-Dichloroethane	3.182	63	308567	57.212	ug/L	100
20) cis-1,2-Dichloroethene	3.902	96	836350	241.590	ug/L	94
30) 1,1,1-Trichloroethane	4.600	97	356584	69.605	ug/L	99
31) Carbon tetrachloride	4.600	117	47879	10.702	ug/L	99
37) 1,2-Dichloropropane	6.063	63	16002	5.002	ug/L #	85
42) Toluene	7.384	91	46319	3.247	ug/L	100
52) Ethylbenzene	9.008	91	21100	1.407	ug/L	98
53) m,p-Xylene	9.130	106	24159	4.070	ug/L	97
54) o-Xylene	9.535	106	16102	2.742	ug/L	98
60) Isopropylbenzene	10.728	105	24333	1.651	ug/L	94
62) 1,3,5-Trimethylbenzene	10.529	105	19158	1.470	ug/L	98
63) 1,2,4-Trimethylbenzene	10.905	105	81538	6.311	ug/L	98

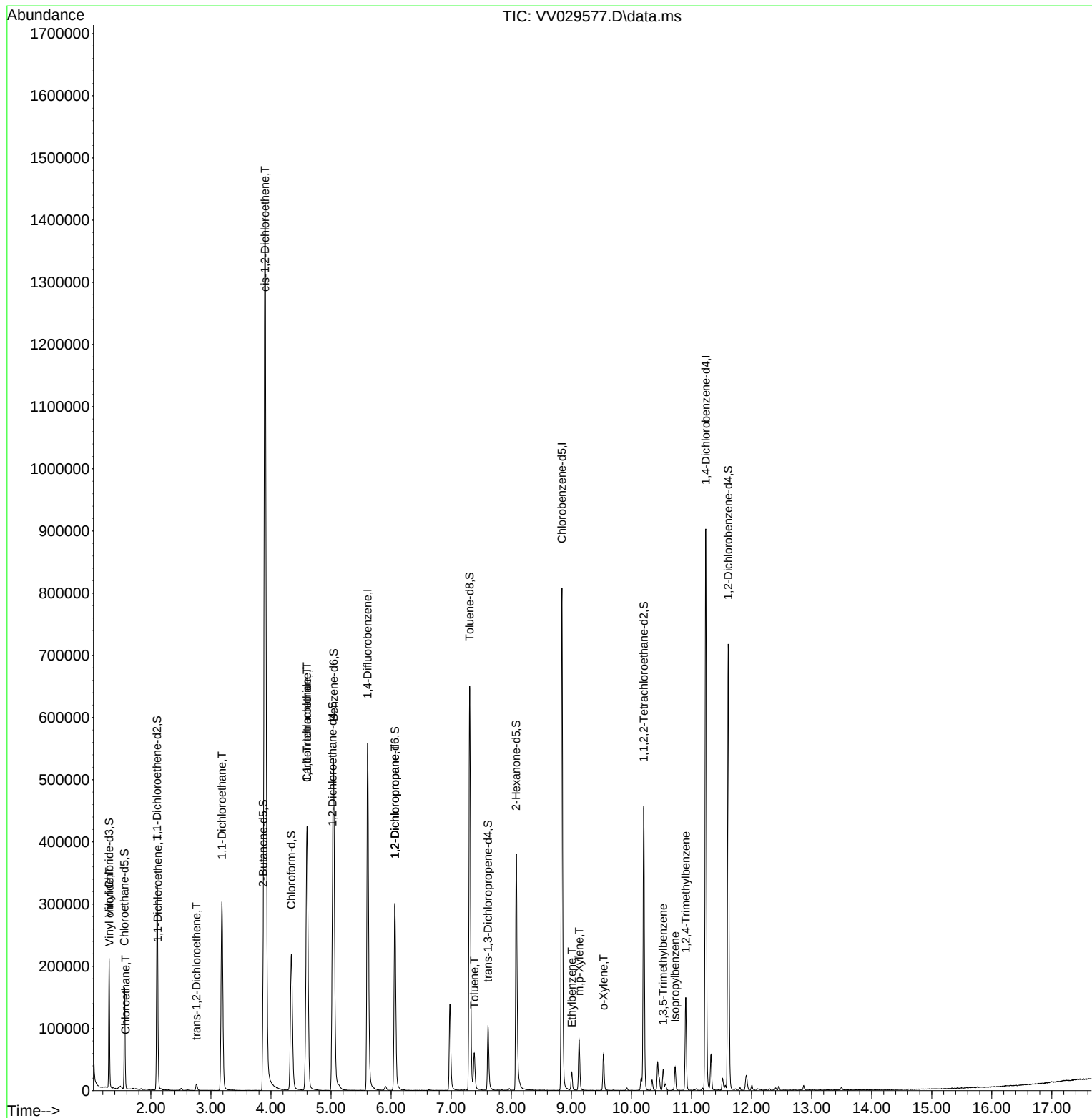
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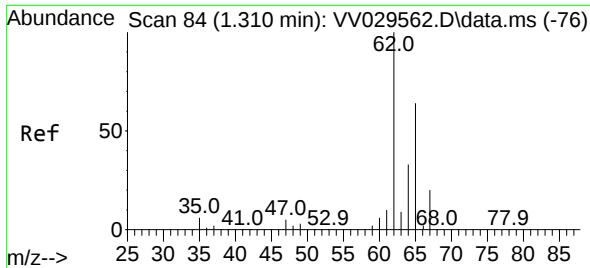
Instrument :
MSVOA_V
ClientSampleId :
EXZ73

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120922\
Data File : VV029577.D
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Quant Time: Dec 12 00:06:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 10 07:45:47 2022
Response via : Initial Calibration

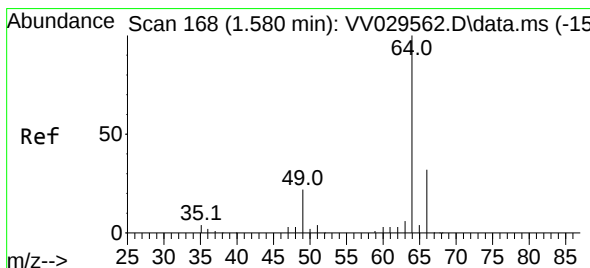
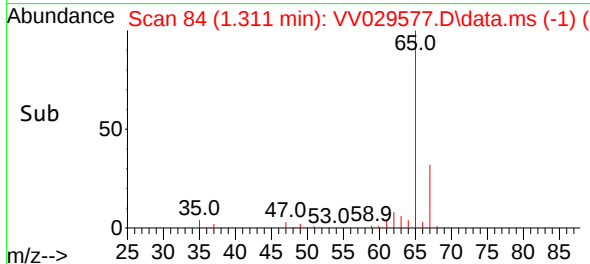
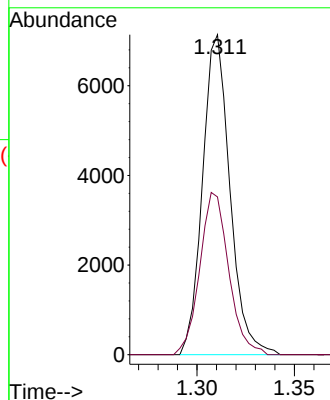
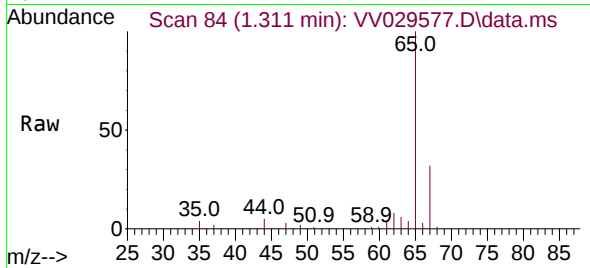




#5
 Vinyl chloride
 Concen: 1.822 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029577.D
 Acq: 10 Dec 2022 13:41

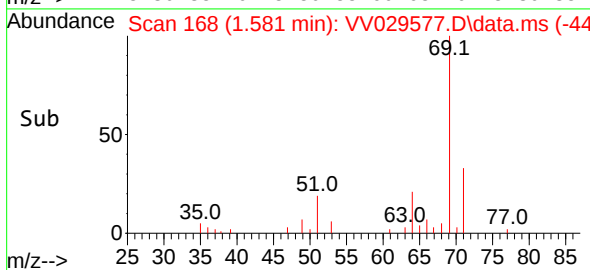
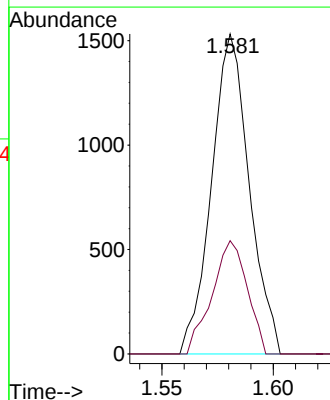
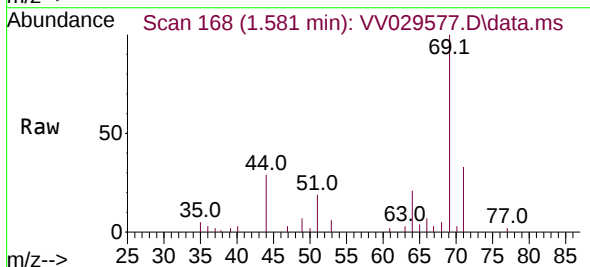
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ73

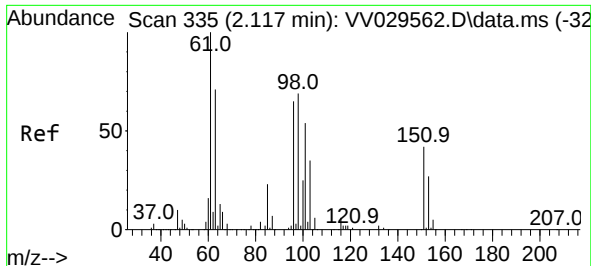
Tgt Ion: 62 Resp: 6999
 Ion Ratio Lower Upper
 62 100
 64 49.3 22.5 41.9#



#8
 Chloroethane
 Concen: 0.844 ug/L
 RT: 1.581 min Scan# 168
 Delta R.T. 0.000 min
 Lab File: VV029577.D
 Acq: 10 Dec 2022 13:41

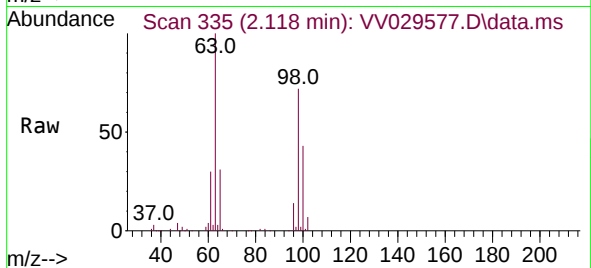
Tgt Ion: 64 Resp: 1805
 Ion Ratio Lower Upper
 64 100
 66 35.4 22.5 41.9



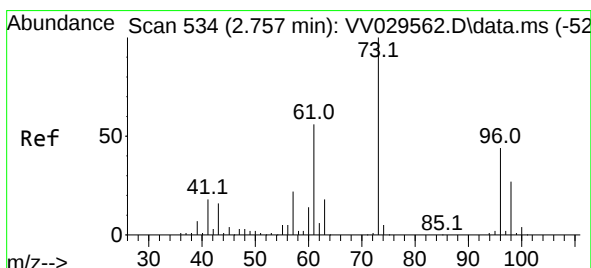
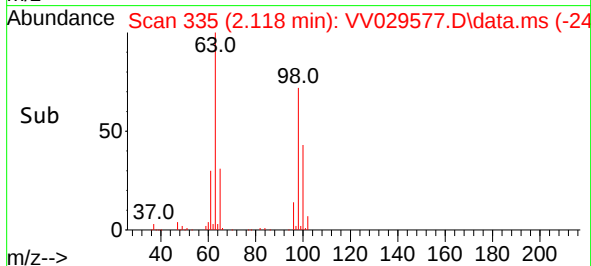
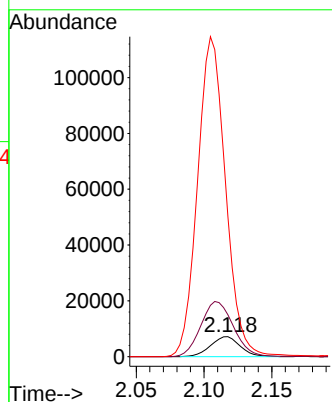


#12
1,1-Dichloroethene
Concen: 3.997 ug/L
RT: 2.118 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029577.D
Acq: 10 Dec 2022 13:41

Instrument :
MSVOA_V
ClientSampleId :
EXZ73

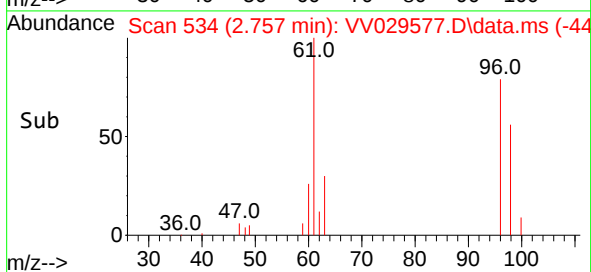
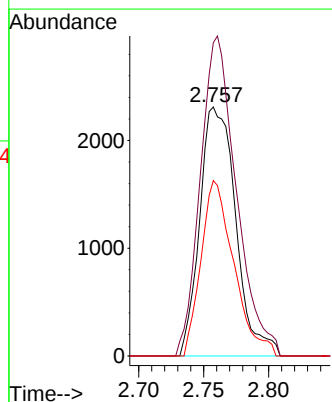
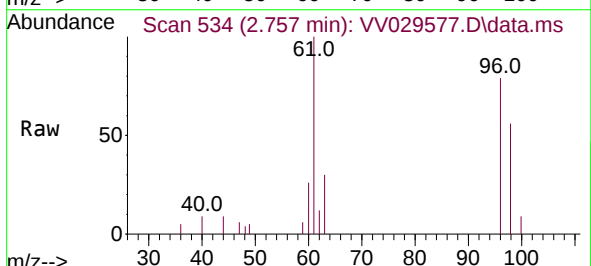


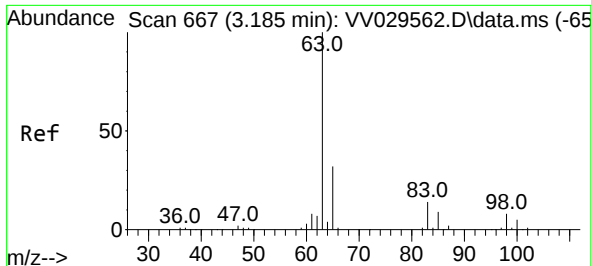
Tgt Ion: 96 Resp: 10921
Ion Ratio Lower Upper
96 100
61 208.6 103.3 191.9#
63 699.5 77.3 143.7#



#17
trans-1,2-Dichloroethene
Concen: 1.414 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.000 min
Lab File: VV029577.D
Acq: 10 Dec 2022 13:41

Tgt Ion: 96 Resp: 4453
Ion Ratio Lower Upper
96 100
61 125.8 86.4 160.4
98 70.4 43.4 80.6





#19

1,1-Dichloroethane

Concen: 57.212 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029577.D

Acq: 10 Dec 2022 13:41

Instrument :

MSVOA_V

ClientSampleId :

EXZ73

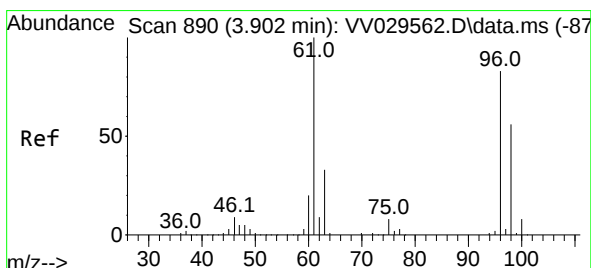
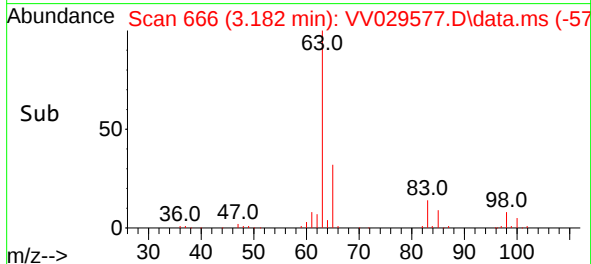
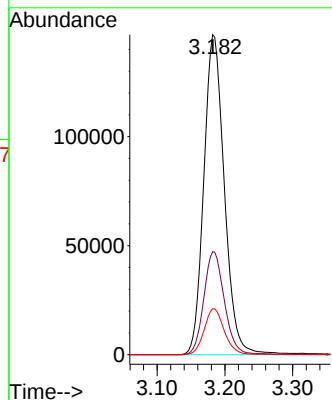
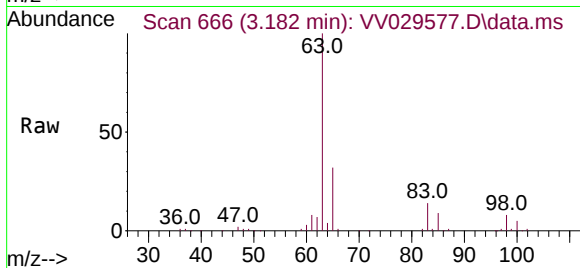
Tgt Ion: 63 Resp: 308567

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

83 14.3 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 241.590 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.000 min

Lab File: VV029577.D

Acq: 10 Dec 2022 13:41

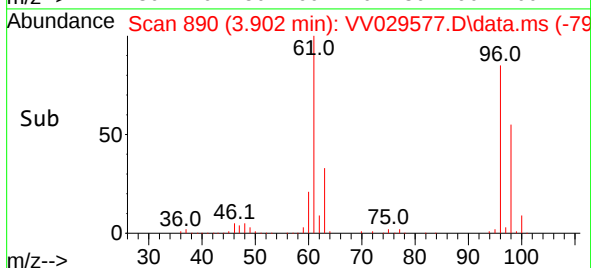
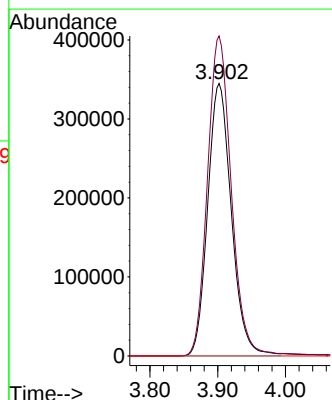
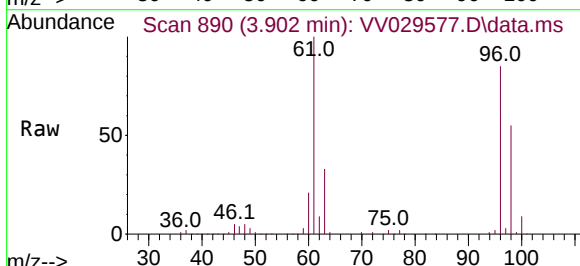
Tgt Ion: 96 Resp: 836350

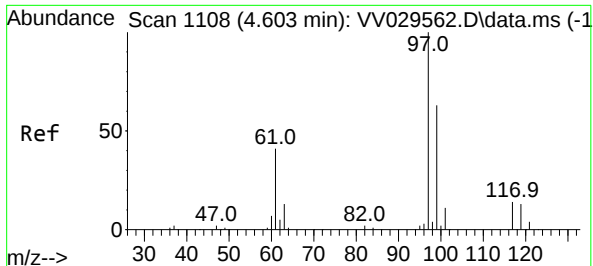
Ion Ratio Lower Upper

96 100

61 117.4 78.0 144.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 69.605 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV029577.D

Acq: 10 Dec 2022 13:41

Instrument :

MSVOA_V

ClientSampleId :

EXZ73

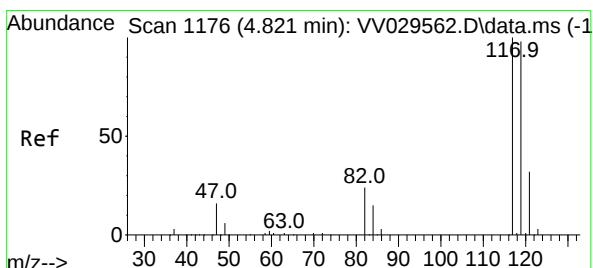
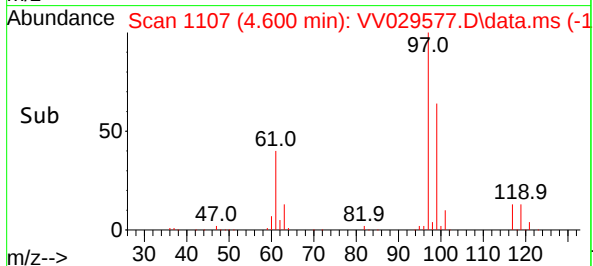
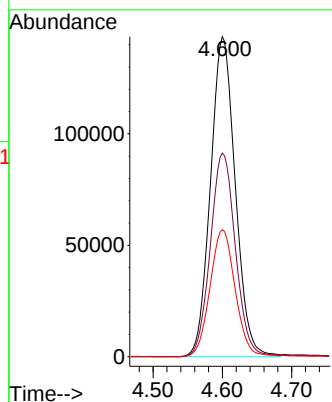
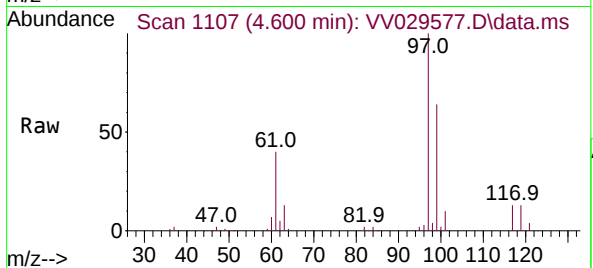
Tgt Ion: 97 Resp: 356584

Ion Ratio Lower Upper

97 100

99 64.6 52.1 78.1

61 40.3 31.8 47.8



#31

Carbon tetrachloride

Concen: 10.702 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.222 min

Lab File: VV029577.D

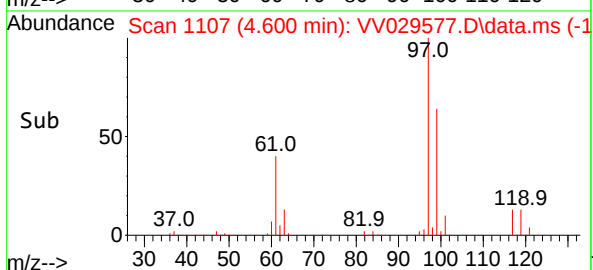
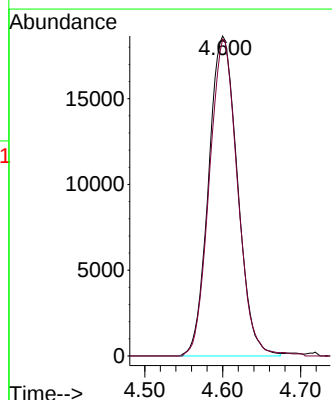
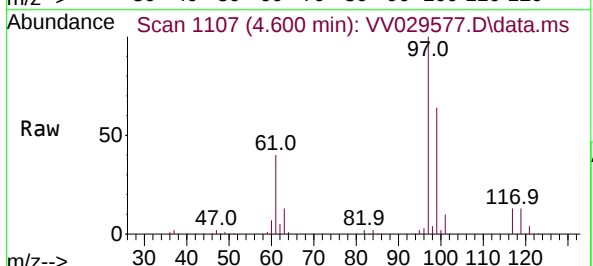
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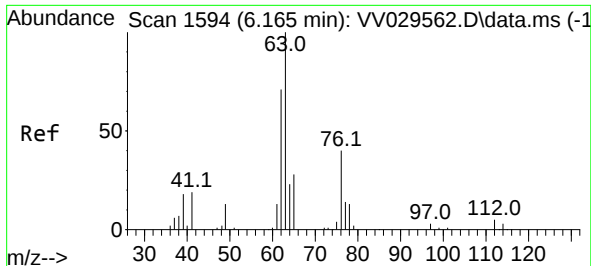
Tgt Ion: 117 Resp: 47879

Ion Ratio Lower Upper

117 100

119 96.6 76.7 115.1





#37

1,2-Dichloropropane

Concen: 5.002 ug/L

RT: 6.063 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV029577.D

Acq: 10 Dec 2022 13:41

Instrument :

MSVOA_V

ClientSampleId :

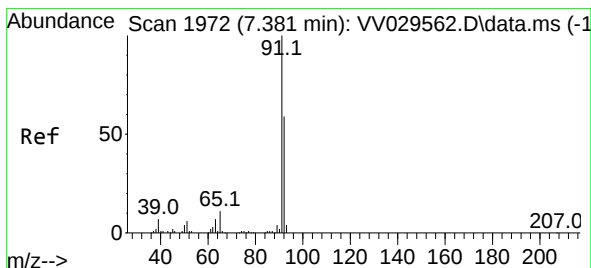
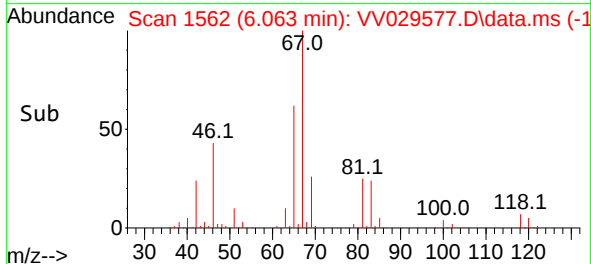
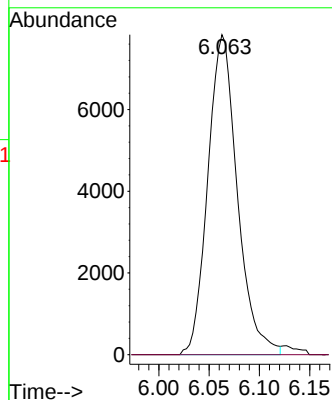
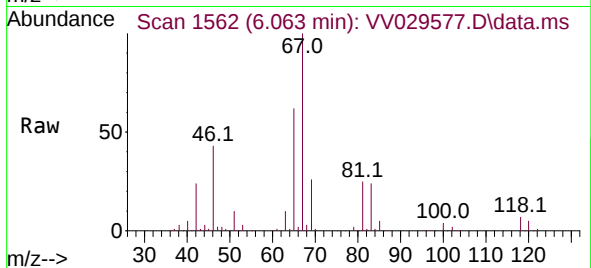
EXZ73

Tgt Ion: 63 Resp: 16002

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#42

Toluene

Concen: 3.247 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV029577.D

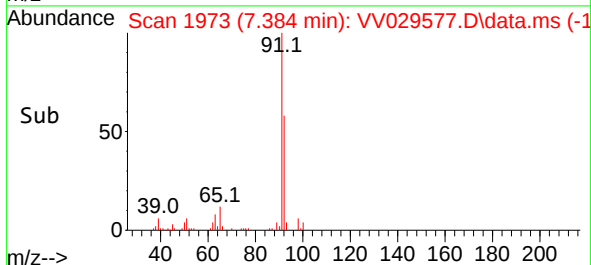
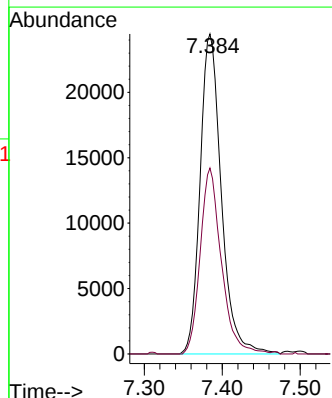
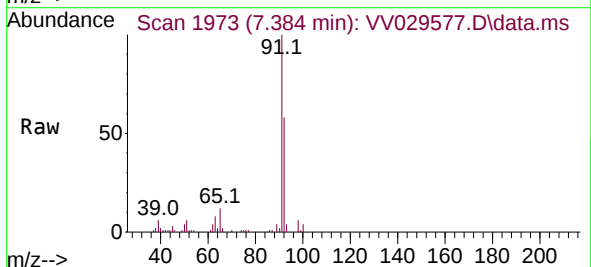
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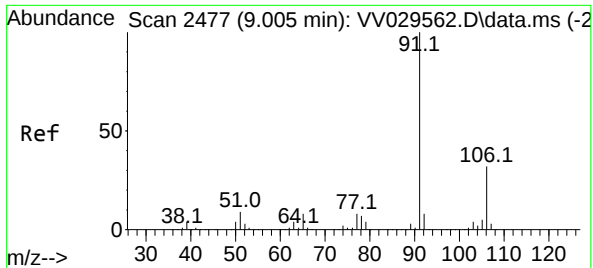
Tgt Ion: 91 Resp: 46319

Ion Ratio Lower Upper

91 100

92 58.1 40.6 75.4

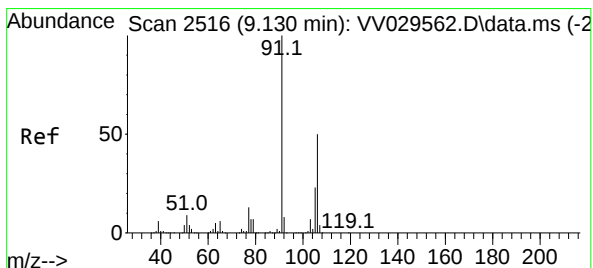
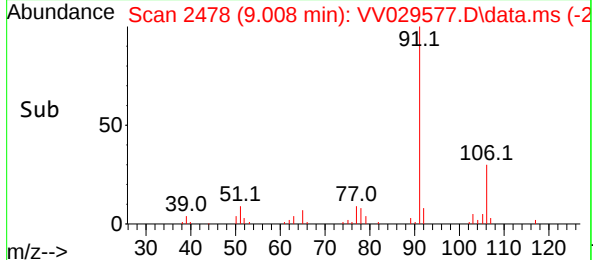
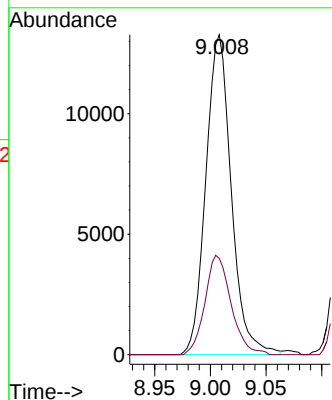
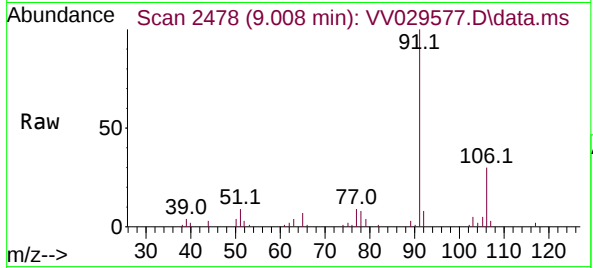




#52
Ethylbenzene
Concen: 1.407 ug/L
RT: 9.008 min Scan# 2477
Delta R.T. 0.003 min
Lab File: VV029577.D
Acq: 10 Dec 2022 13:41

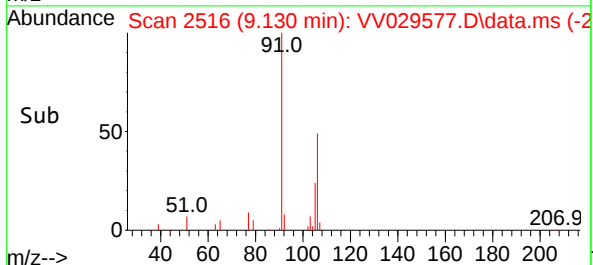
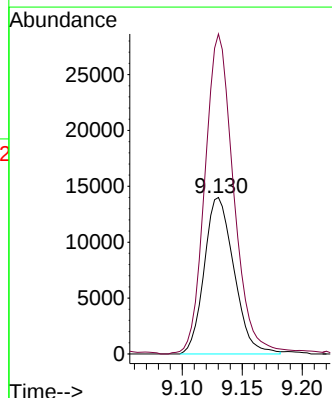
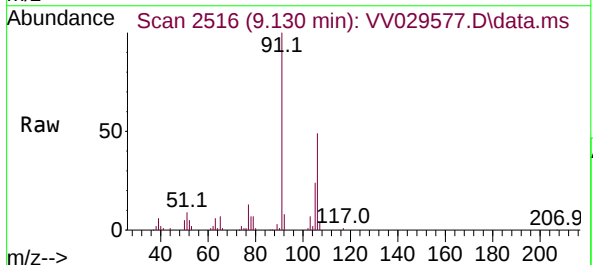
Instrument :
MSVOA_V
ClientSampleId :
EXZ73

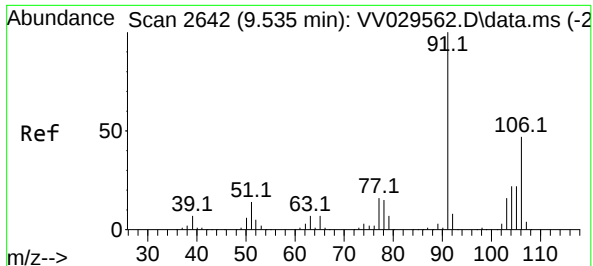
Tgt Ion: 91 Resp: 21100
Ion Ratio Lower Upper
91 100
106 30.1 21.8 40.6



#53
m,p-Xylene
Concen: 4.070 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV029577.D
Acq: 10 Dec 2022 13:41

Tgt Ion: 106 Resp: 24159
Ion Ratio Lower Upper
106 100
91 204.6 139.5 259.1

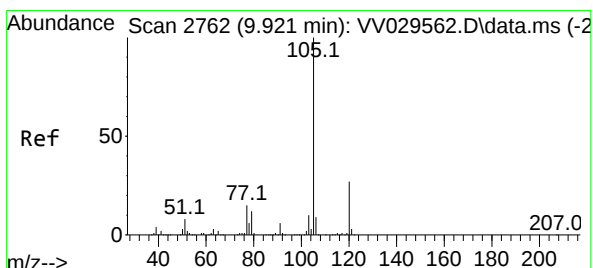
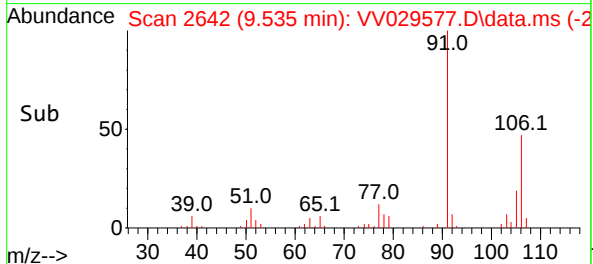
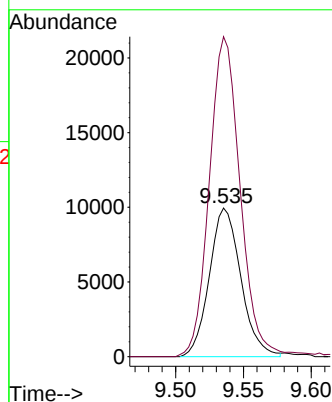
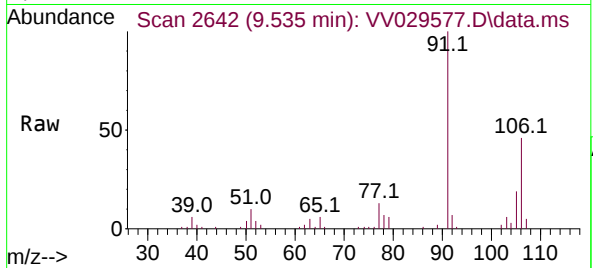




#54
o-Xylene
Concen: 2.742 ug/L
RT: 9.535 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV029577.D
Acq: 10 Dec 2022 13:41

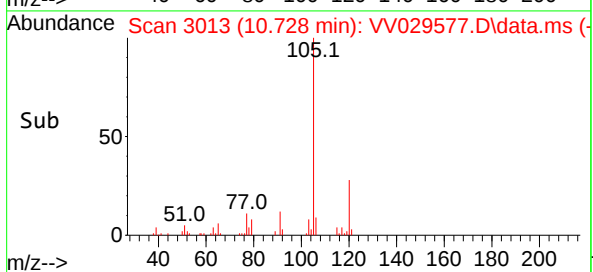
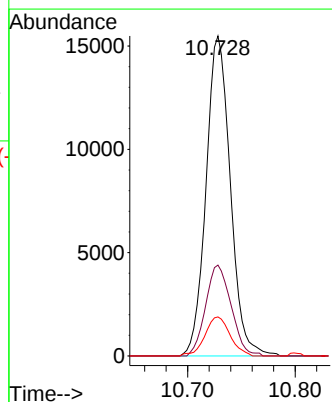
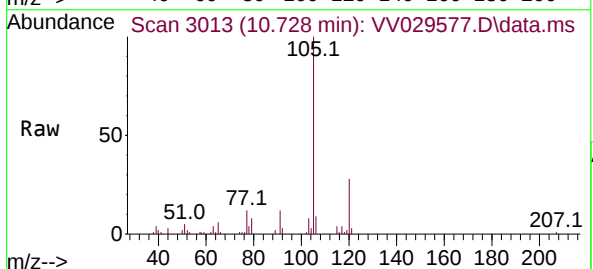
Instrument :
MSVOA_V
ClientSampleId :
EXZ73

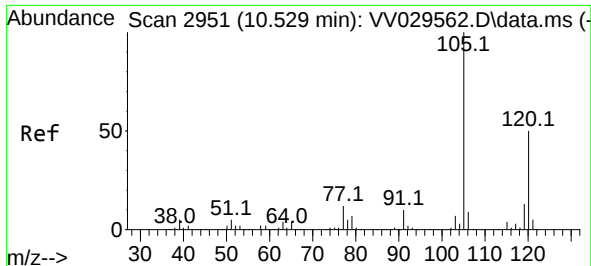
Tgt Ion:106 Resp: 16102
Ion Ratio Lower Upper
106 100
91 215.3 148.0 274.8



#60
Isopropylbenzene
Concen: 1.651 ug/L
RT: 10.728 min Scan# 3013
Delta R.T. 0.807 min
Lab File: VV029577.D
Acq: 10 Dec 2022 13:41

Tgt Ion:105 Resp: 24333
Ion Ratio Lower Upper
105 100
120 29.6 21.1 31.7
77 12.6 11.6 17.4





#62

1,3,5-Trimethylbenzene

Concen: 1.470 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV029577.D

Acq: 10 Dec 2022 13:41

Instrument :

MSVOA_V

ClientSampleId :

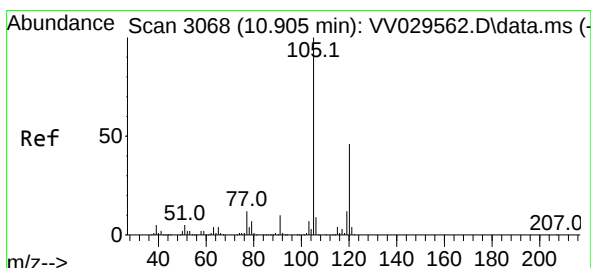
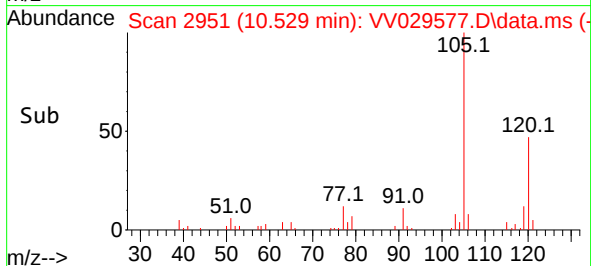
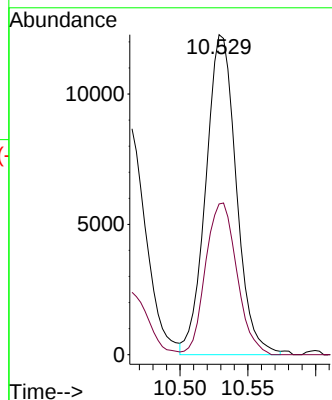
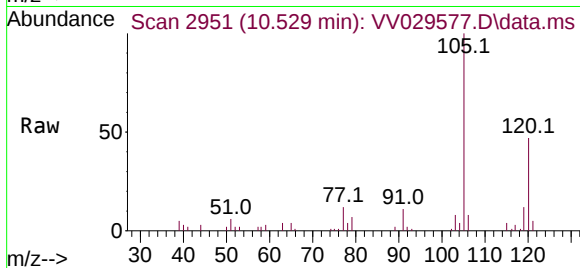
EXZ73

Tgt Ion:105 Resp: 19158

Ion Ratio Lower Upper

105 100

120 48.8 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 6.311 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029577.D

Acq: 10 Dec 2022 13:41

Tgt Ion:105 Resp: 81538

Ion Ratio Lower Upper

105 100

120 47.2 36.7 55.1

