

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029616.D
 Acq On : 12 Dec 2022 23:40
 Operator : SY/MD
 Sample : N5928-06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ69

Quant Time: Dec 13 05:24:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 04:57:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	531160	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	480529	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	249088	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	157192	48.328	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.660%
7) Chloroethane-d5	1.564	69	126019	50.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.620%
11) 1,1-Dichloroethene-d2	2.105	63	205606	40.528	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.060%
21) 2-Butanone-d5	3.873	46	185242	93.360	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.360%
24) Chloroform-d	4.339	84	268842	43.923	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.840%
26) 1,2-Dichloroethane-d4	5.024	65	162241	46.410	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.820%
32) Benzene-d6	5.043	84	585486	46.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.220%
36) 1,2-Dichloropropane-d6	6.063	67	179037	46.163	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.320%
41) Toluene-d8	7.307	98	520835	43.535	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.060%
43) trans-1,3-Dichloroprop...	7.612	79	73683	37.623	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.240%
47) 2-Hexanone-d5	8.082	63	149465	90.247	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.250%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	243340	43.907	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.820%
66) 1,2-Dichlorobenzene-d4	11.612	152	206889	43.632	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.260%
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	252424	63.247	ug/L	99
8) Chloroethane	1.581	64	19672	8.852	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	2422	0.872	ug/L #	34
12) 1,1-Dichloroethene	2.118	96	23687	8.343	ug/L #	1
17) trans-1,2-Dichloroethene	2.761	96	11521	3.522	ug/L	92
19) 1,1-Dichloroethane	3.182	63	930907	166.105	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	1787649	496.945	ug/L	93
27) 1,2-Dichloroethane	5.133	62	6065	1.478	ug/L #	93
30) 1,1,1-Trichloroethane	4.600	97	688241	131.460	ug/L	99
31) Carbon tetrachloride	4.600	117	92310	20.191	ug/L	98
33) Benzene	5.098	78	9542	0.704	ug/L	100
34) Trichloroethene	5.912	95	22768	6.708	ug/L	97
42) Toluene	7.384	91	26094	1.790	ug/L	98
46) Tetrachloroethene	7.966	164	51190	18.759	ug/L	98
63) 1,2,4-Trimethylbenzene	10.905	105	9695	0.756	ug/L	98
71) Naphthalene	13.493	128	15739	1.371	ug/L	98

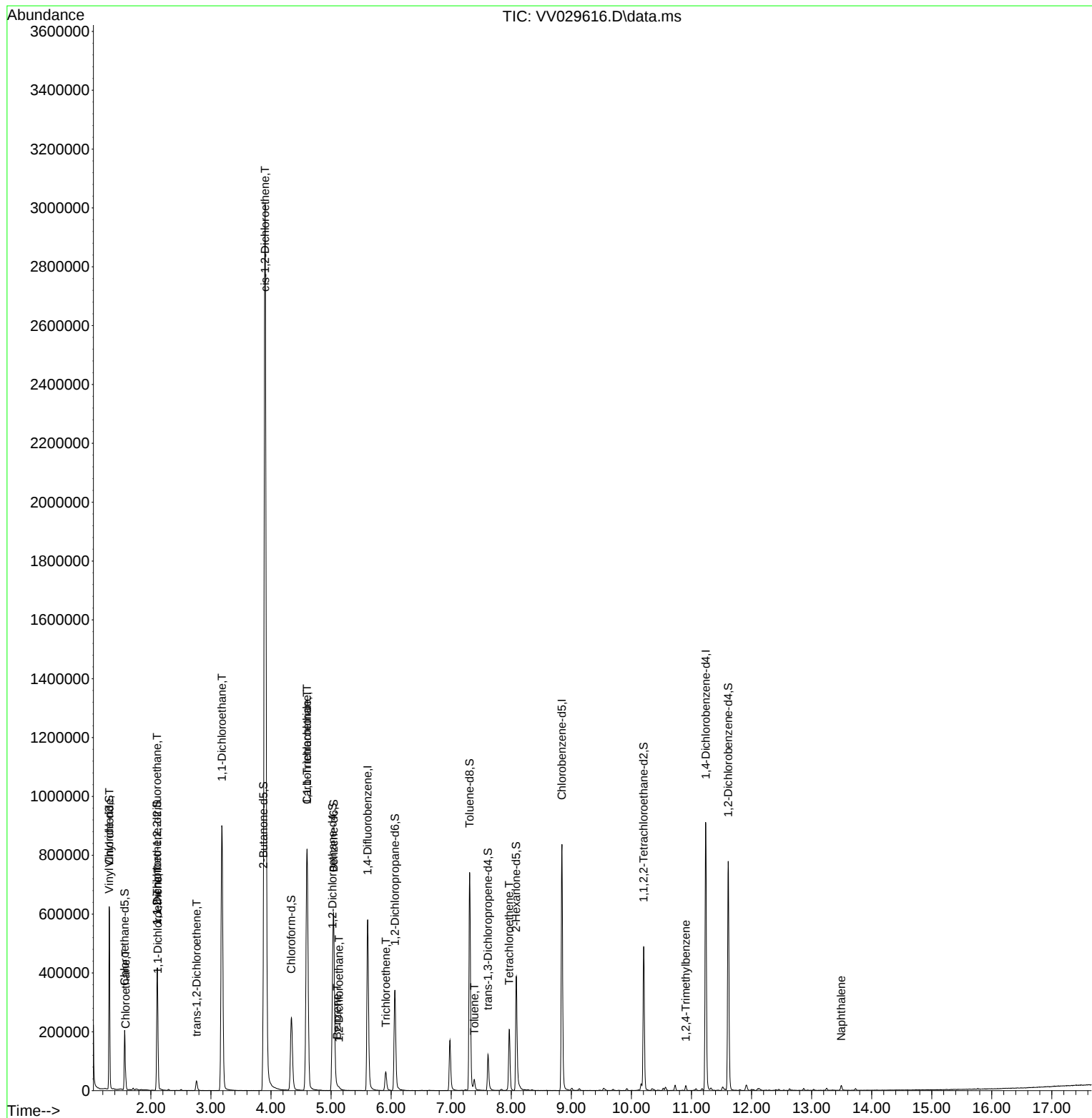
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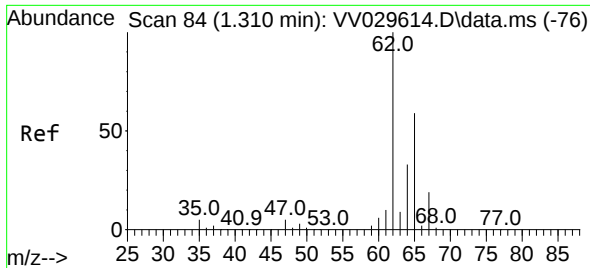
Instrument :
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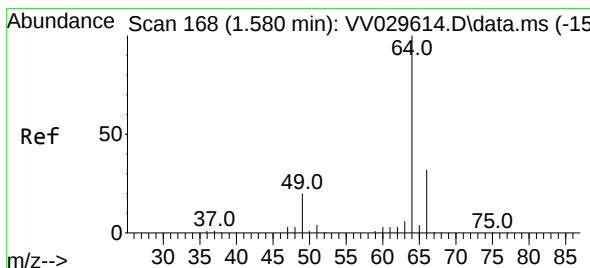
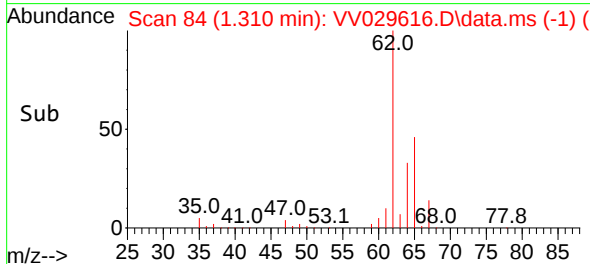
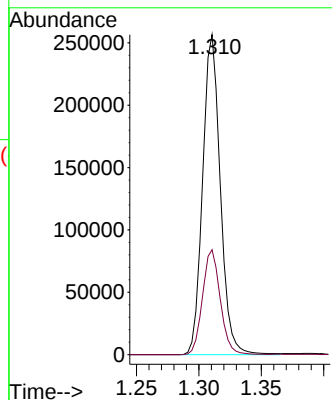
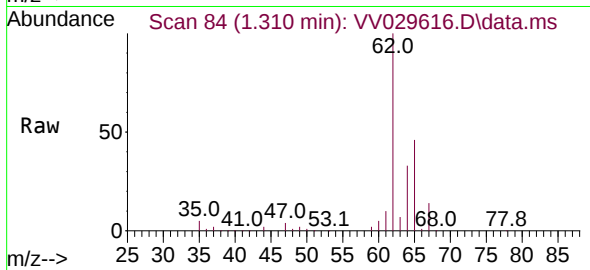




#5
 Vinyl chloride
 Concen: 63.247 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029616.D
 Acq: 12 Dec 2022 23:40

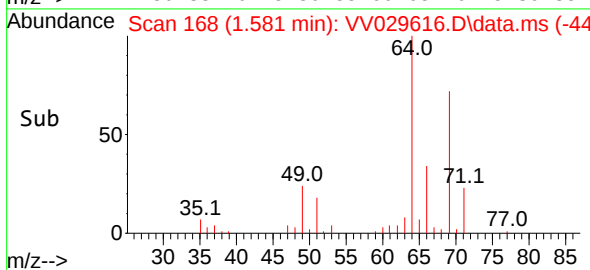
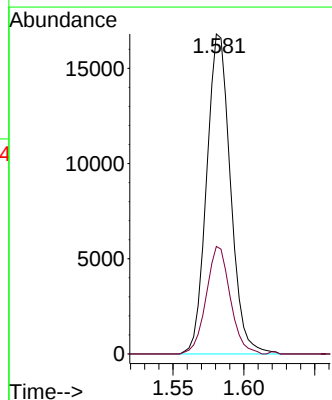
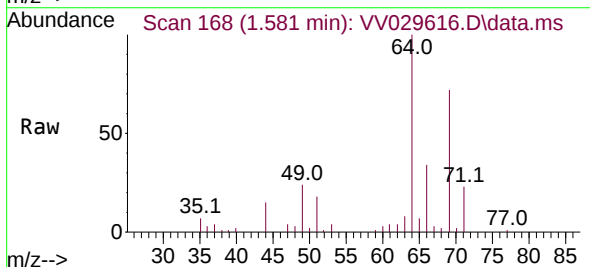
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 MSVOA_V
 ClientSampleId :
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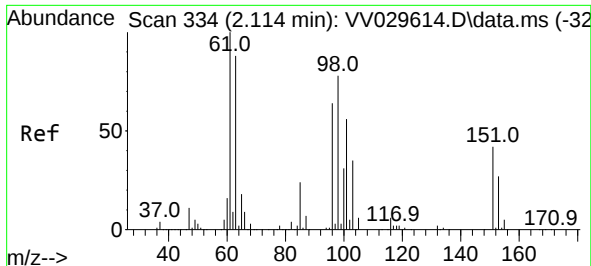
Tgt Ion: 62 Resp: 252424
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.5 41.9



#8
 Chloroethane
 Concen: 8.852 ug/L
 RT: 1.581 min Scan# 168
 Delta R.T. 0.000 min
 Lab File: VV029616.D
 Acq: 12 Dec 2022 23:40

Tgt Ion: 64 Resp: 19672
 Ion Ratio Lower Upper
 64 100
 66 33.6 22.5 41.9

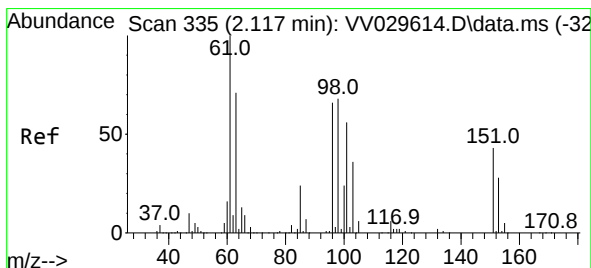
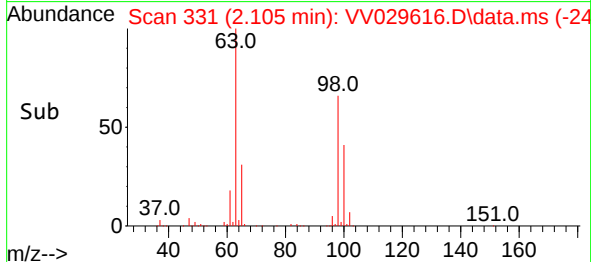
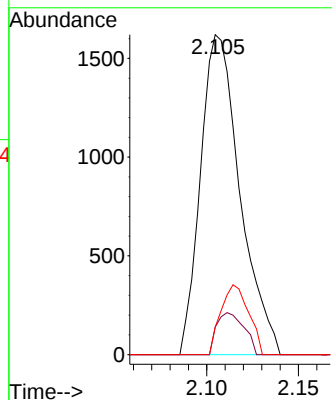
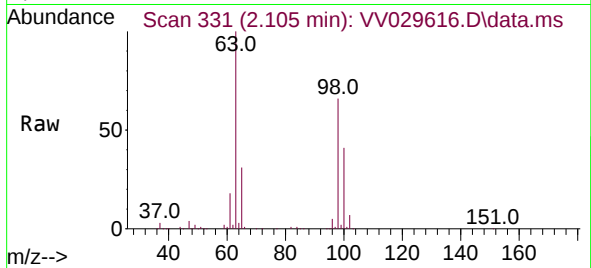




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.872 ug/L
RT: 2.105 min Scan# 311
Delta R.T. -0.010 min
Lab File: VV029616.D
Acq: 12 Dec 2022 23:40

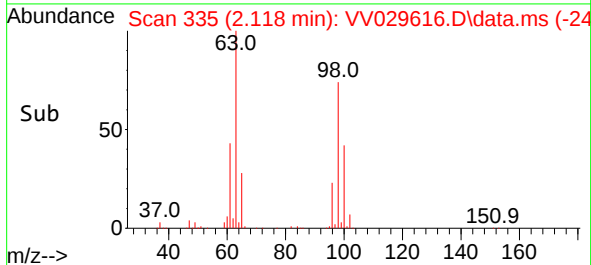
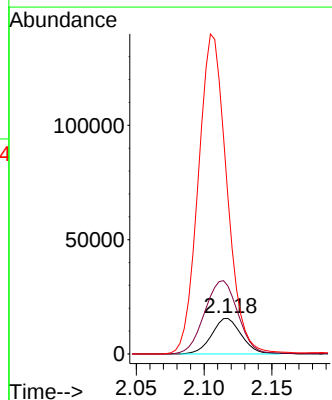
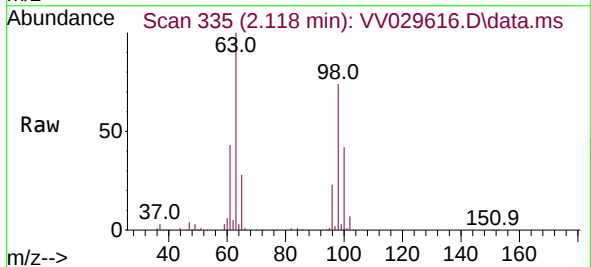
Instrument :
MSVOA_V
ClientSampleId :
EXZ69

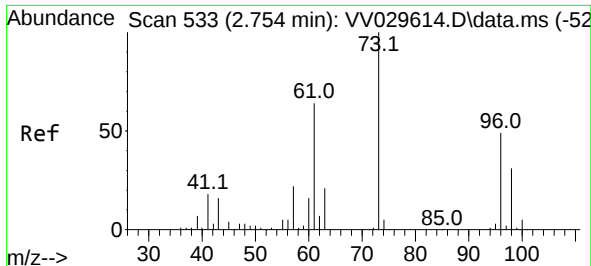
Tgt Ion:101 Resp: 2422
Ion Ratio Lower Upper
101 100
85 9.1 33.6 50.4#
151 15.4 63.5 95.3#



#12
1,1-Dichloroethene
Concen: 8.343 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV029616.D
Acq: 12 Dec 2022 23:40

Tgt Ion: 96 Resp: 23687
Ion Ratio Lower Upper
96 100
61 191.0 103.3 191.9
63 442.3 77.3 143.7#

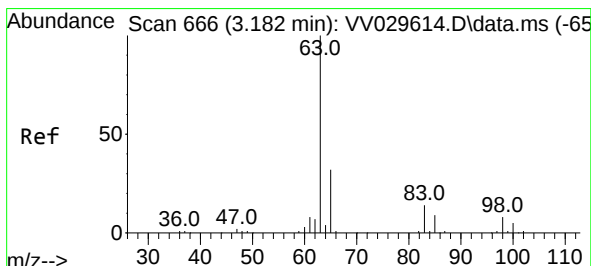
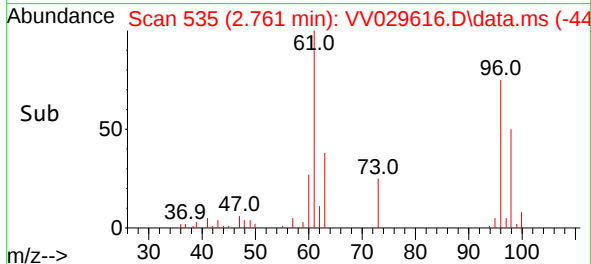
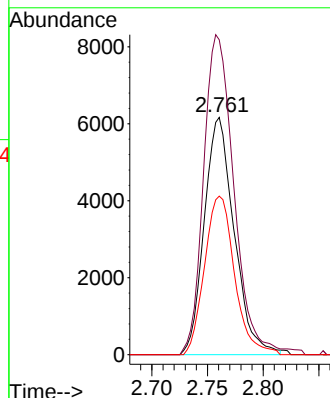
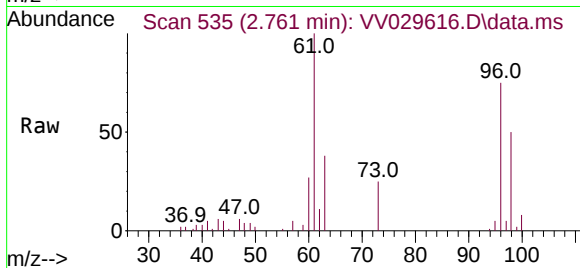




#17
trans-1,2-Dichloroethene
Concen: 3.522 ug/L
RT: 2.761 min Scan# 511
Delta R.T. 0.007 min
Lab File: VV029616.D
Acq: 12 Dec 2022 23:40

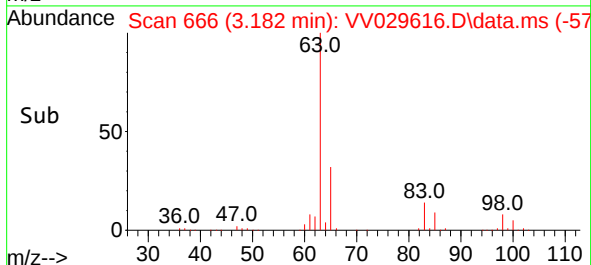
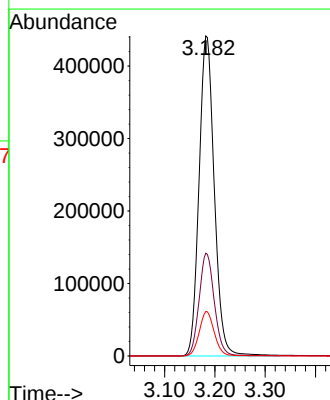
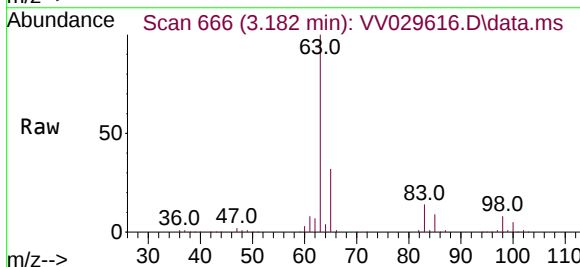
Instrument :
MSVOA_V
ClientSampleId :
EXZ69

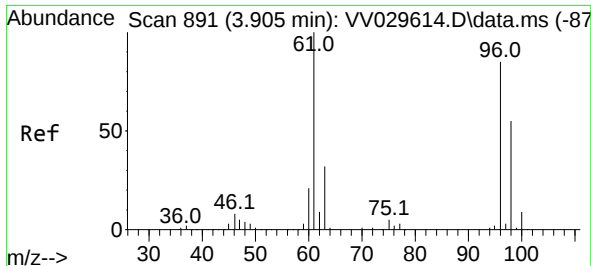
Tgt Ion:	96	Resp:	11521
Ion	Ratio	Lower	Upper
96	100		
61	132.7	86.4	160.4
98	66.8	43.4	80.6



#19
1,1-Dichloroethane
Concen: 166.105 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.000 min
Lab File: VV029616.D
Acq: 12 Dec 2022 23:40

Tgt Ion:	63	Resp:	930907
Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.5	41.7
83	13.9	10.4	19.2



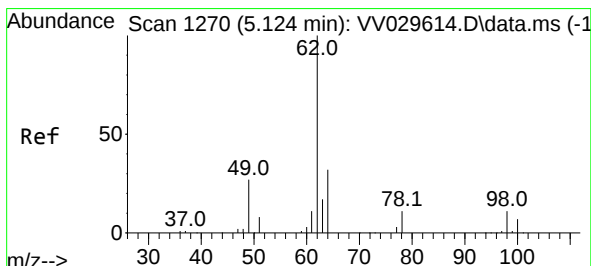
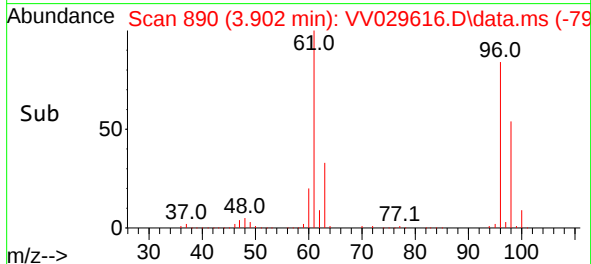
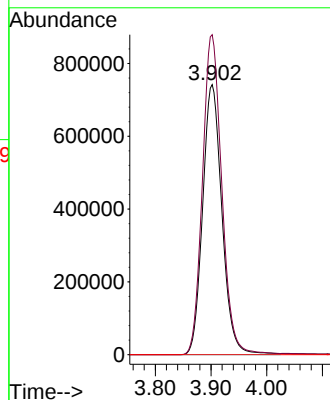
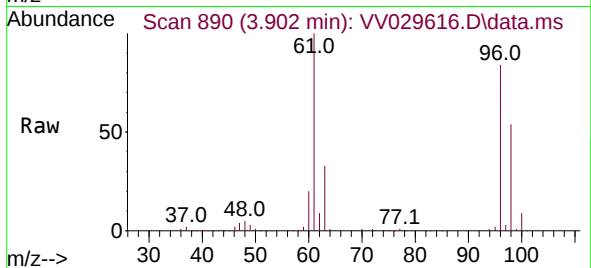


#20
 cis-1,2-Dichloroethene
 Concen: 496.945 ug/L
 RT: 3.902 min Scan# 891
 Delta R.T. -0.003 min
 Lab File: VV029616.D
 Acq: 12 Dec 2022 23:40

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ69

Tgt Ion: 96 Resp: 1787649

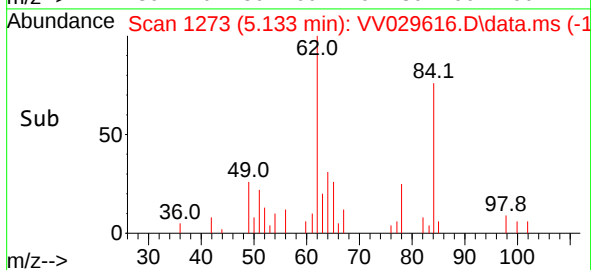
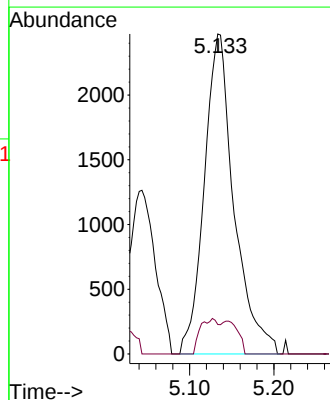
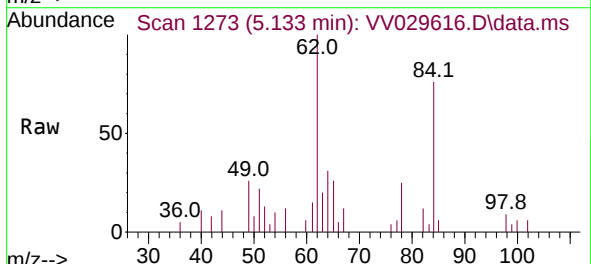
Ion	Ratio	Lower	Upper
96	100		
61	118.5	78.0	144.9
68	0.0	0.0	0.0

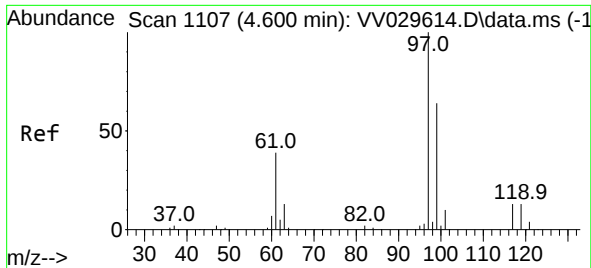


#27
 1,2-Dichloroethane
 Concen: 1.478 ug/L
 RT: 5.133 min Scan# 1273
 Delta R.T. 0.010 min
 Lab File: VV029616.D
 Acq: 12 Dec 2022 23:40

Tgt Ion: 62 Resp: 6065

Ion	Ratio	Lower	Upper
62	100		
98	9.2	9.4	14.0#





#30

1,1,1-Trichloroethane

Concen: 131.460 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV029616.D

Acq: 12 Dec 2022 23:40

Instrument :

MSVOA_V

ClientSampleId :

EXZ69

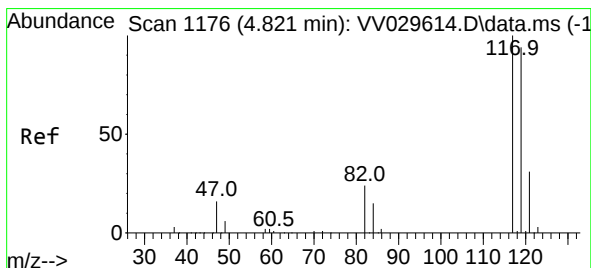
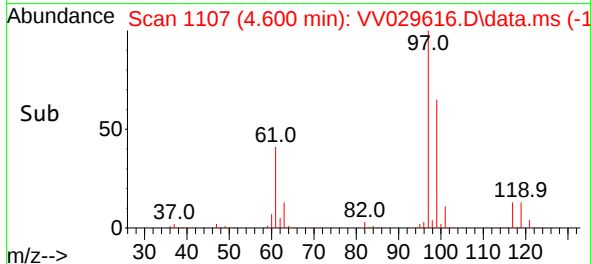
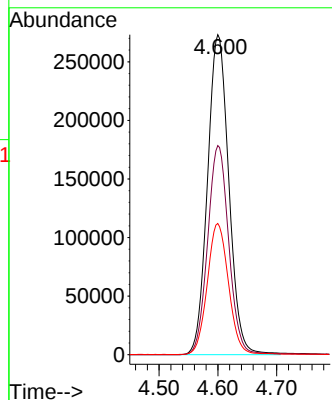
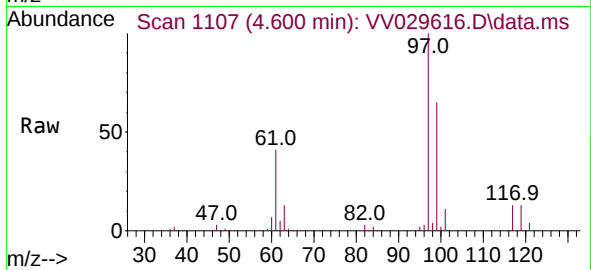
Tgt Ion: 97 Resp: 688241

Ion Ratio Lower Upper

97 100

99 64.9 52.1 78.1

61 40.8 31.8 47.8



#31

Carbon tetrachloride

Concen: 20.191 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.222 min

Lab File: VV029616.D

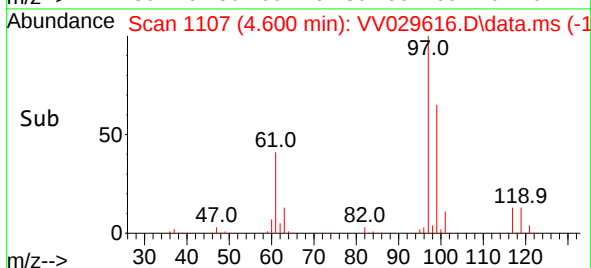
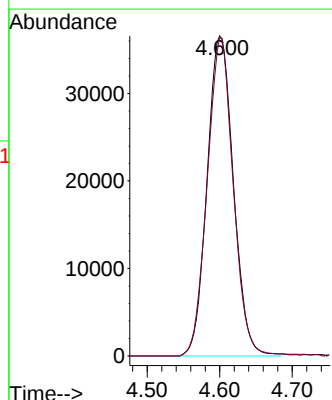
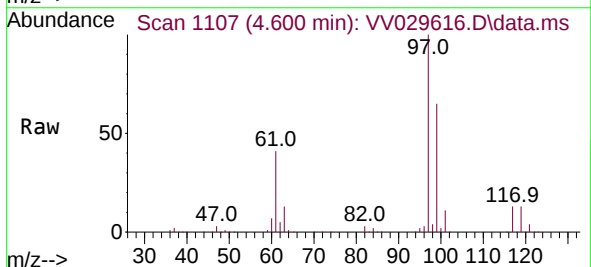
Acq: 12 Dec 2022 23:40

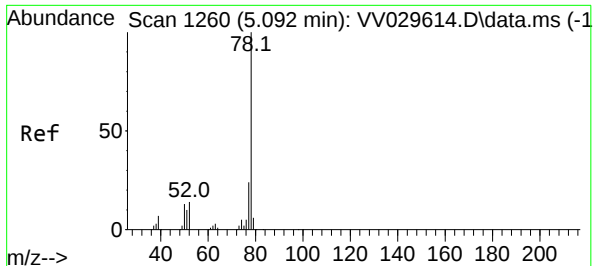
Tgt Ion: 117 Resp: 92310

Ion Ratio Lower Upper

117 100

119 97.8 76.7 115.1





#33

Benzene

Concen: 0.704 ug/L

RT: 5.098 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV029616.D

Acq: 12 Dec 2022 23:40

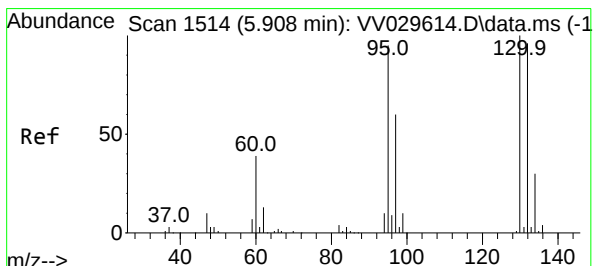
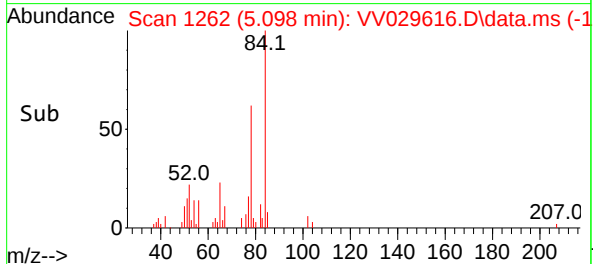
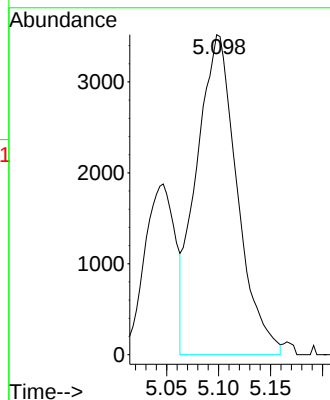
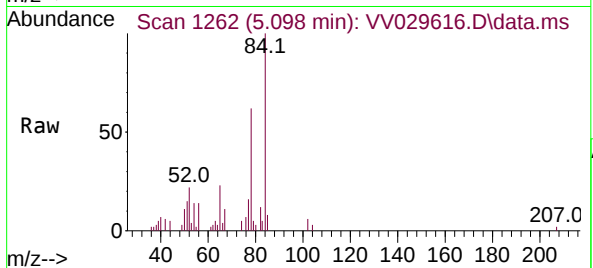
Instrument :

MSVOA_V

ClientSampleId :

EXZ69

Tgt Ion: 78 Resp: 9542



#34

Trichloroethene

Concen: 6.708 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV029616.D

Acq: 12 Dec 2022 23:40

Tgt Ion: 95 Resp: 22768

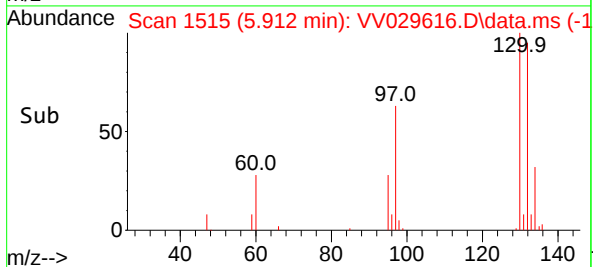
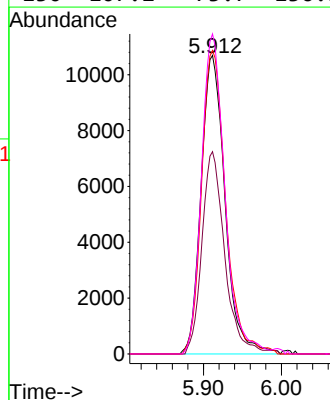
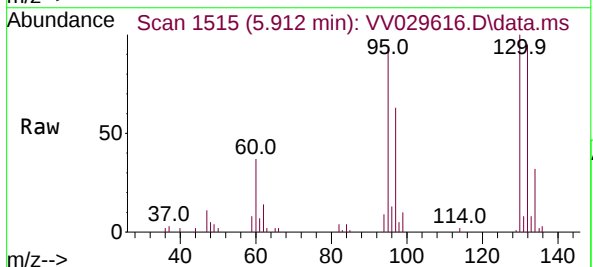
Ion Ratio Lower Upper

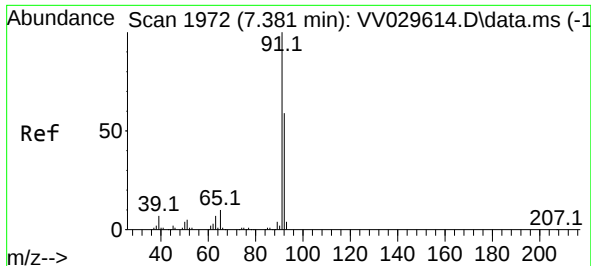
95 100

97 67.7 44.0 81.8

132 101.7 69.9 129.9

130 107.2 73.7 136.9





#42

Toluene

Concen: 1.790 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

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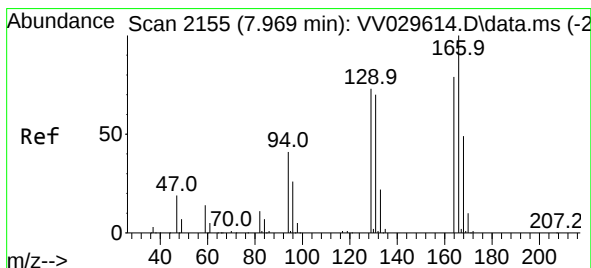
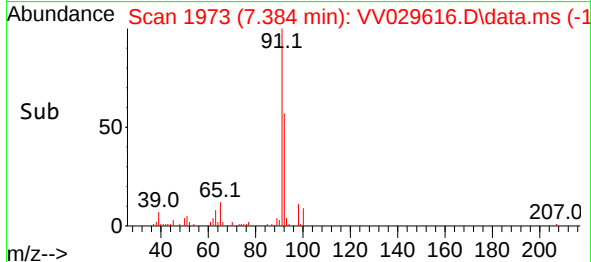
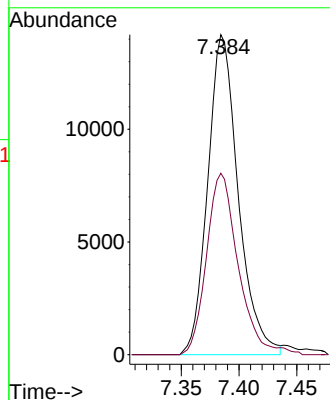
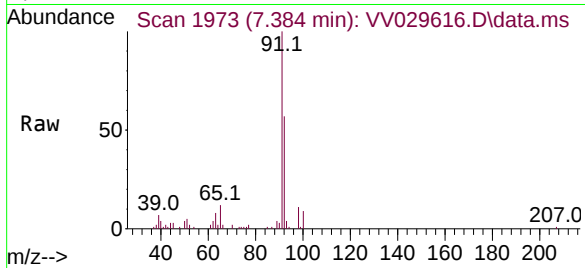
EXZ69

Tgt Ion: 91 Resp: 26094

Ion Ratio Lower Upper

91 100

92 56.7 40.6 75.4



#46

Tetrachloroethene

Concen: 18.759 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.003 min

Lab File: VV029616.D

Acq: 12 Dec 2022 23:40

Tgt Ion: 164 Resp: 51190

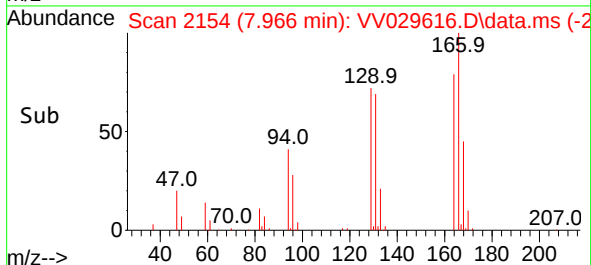
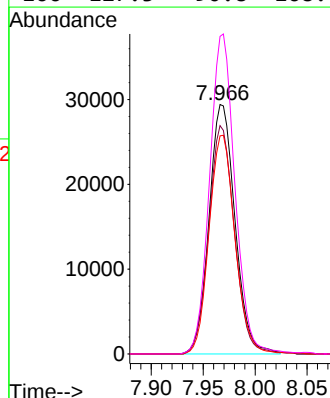
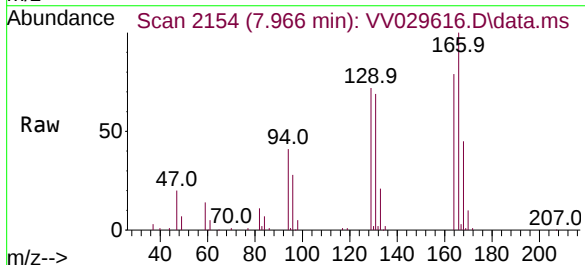
Ion Ratio Lower Upper

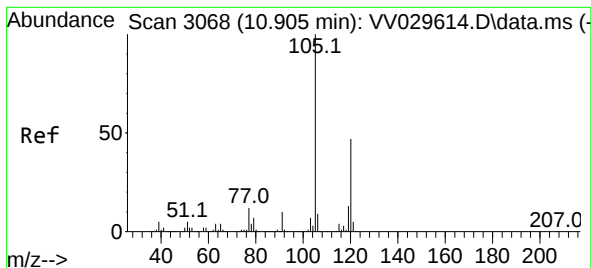
164 100

129 91.5 65.3 121.3

131 87.4 63.1 117.1

166 127.3 90.8 168.6





#63

1,2,4-Trimethylbenzene

Concen: 0.756 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029616.D

Acq: 12 Dec 2022 23:40

Instrument :

MSVOA_V

ClientSampleId :

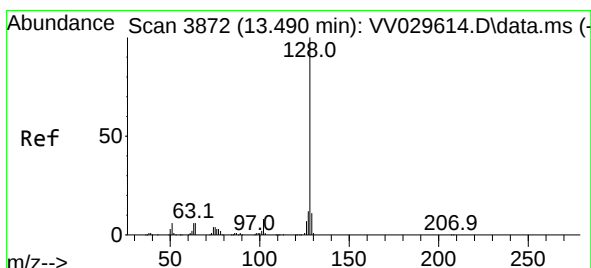
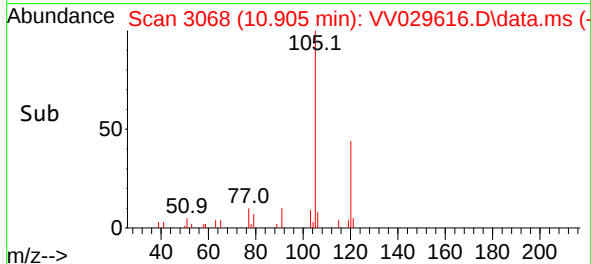
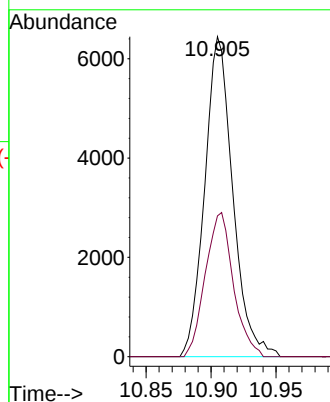
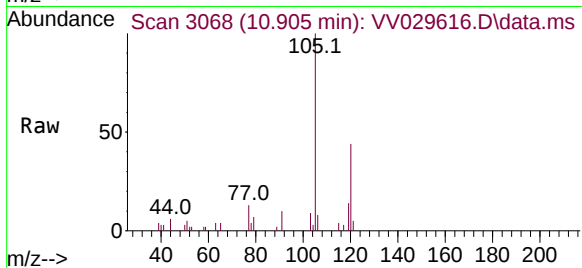
EXZ69

Tgt Ion:105 Resp: 9695

Ion Ratio Lower Upper

105 100

120 44.9 36.7 55.1



#71

Naphthalene

Concen: 1.371 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. 0.003 min

Lab File: VV029616.D

Acq: 12 Dec 2022 23:40

Tgt Ion:128 Resp: 15739

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.4

129 9.5 8.5 12.7

