

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060523\
 Data File : VW031349.D
 Acq On : 05 Jun 2023 16:02
 Operator : SY/MD
 Sample : 03000-05DL 50X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29DL

Quant Time: Jun 06 02:09:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 06 02:05:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	135988	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	132476	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	63345	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	51329	3.711	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.200%
7) Chloroethane-d5	1.532	69	47699	4.082	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	2.060	65	29043	4.324	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.400%
20) 2-Butanone-d5	3.847	46	104404	32.609	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.220%
24) Chloroform-d	4.259	84	111198	4.781	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	4.953	65	59160	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	4.966	84	204559	5.079	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	5.998	67	66960	4.923	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.249	98	163851	4.332	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	7.564	79	22006	4.443	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.037	63	83923	42.184	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.360%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	45367	4.387	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	59427	4.974	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	3200	0.177	ug/L	# 56
16) Methylene chloride	2.452	84	9546	0.618	ug/L	90
18) trans-1,2-Dichloroethene	2.699	96	1730	0.144	ug/L	88
22) cis-1,2-Dichloroethene	3.822	96	80982	6.633	ug/L	99
30) Cyclohexane	4.590	56	179244	8.963	ug/L	95
33) Benzene	5.018	78	297837	6.317	ug/L	100
34) Trichloroethene	5.838	95	137386	10.790	ug/L	97
35) Methylcyclohexane	6.056	83	83215	4.390	ug/L	99
42) Toluene	7.329	91	4578	0.092	ug/L	87
47) Tetrachloroethene	7.911	164	25812	2.601	ug/L	97
52) Ethylbenzene	8.953	91	63594	1.215	ug/L	94
53) m,p-Xylene	9.079	106	74320	3.948	ug/L	96
54) o-Xylene	9.487	106	10971	0.622	ug/L	93
60) Isopropylbenzene	9.876	105	9412	0.207	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	13717	0.372	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	30141	0.792	ug/L	91

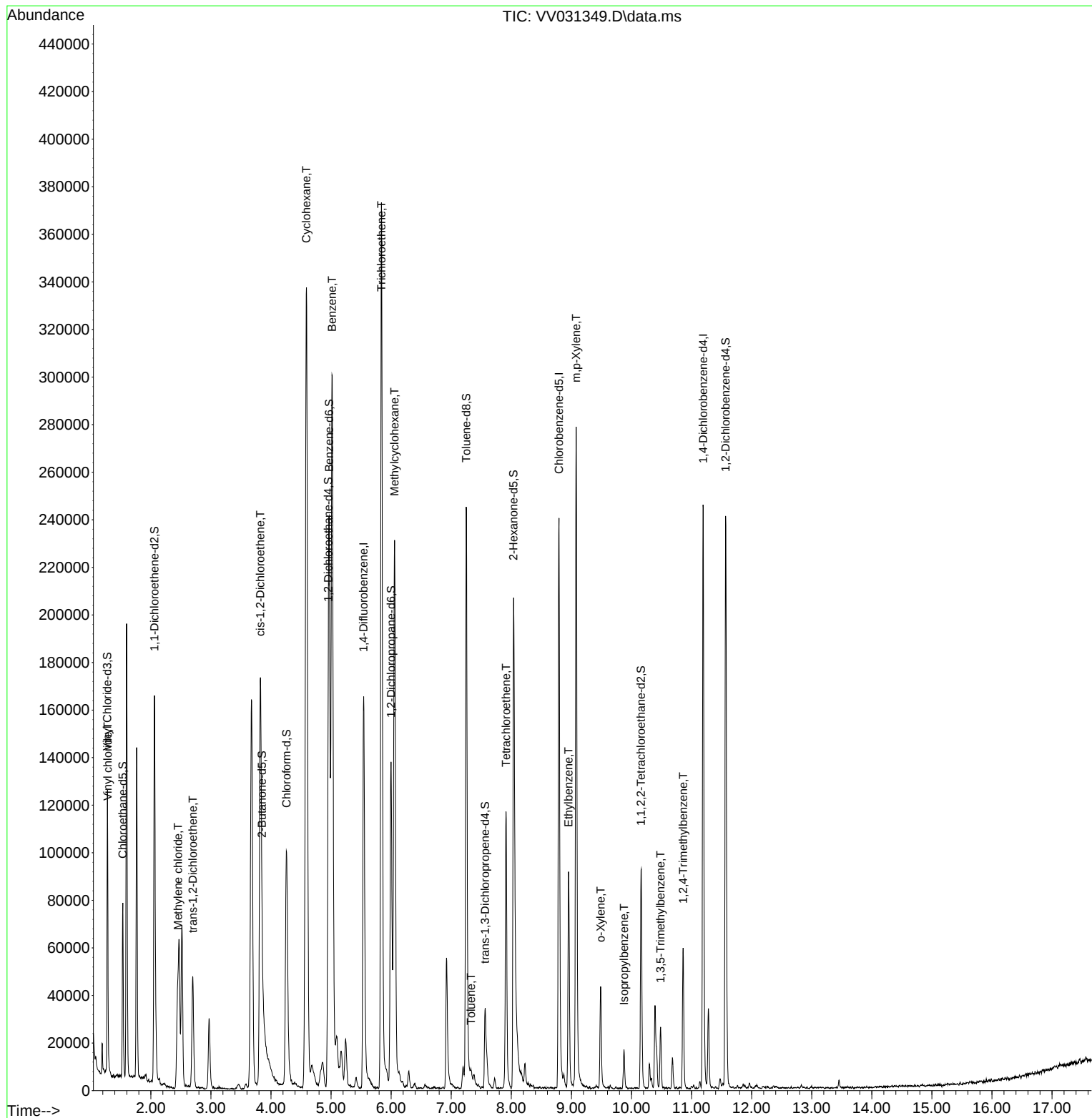
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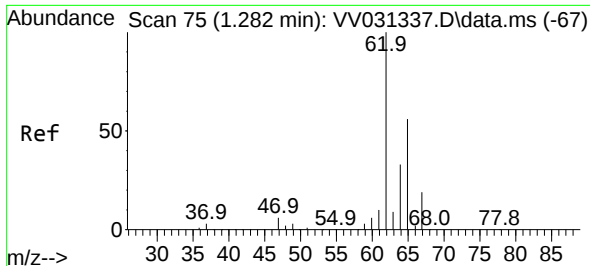
Instrument :
MSVOA_V
ClientSampleId :
F6C29DL

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Response via : Initial Calibration

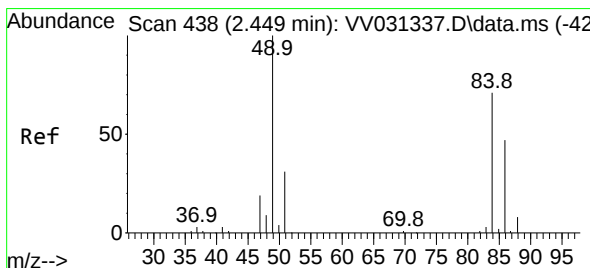
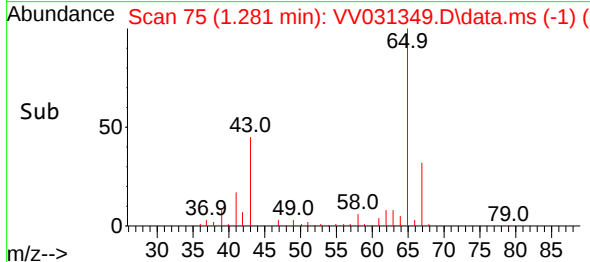
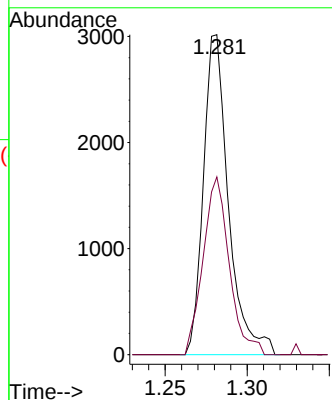
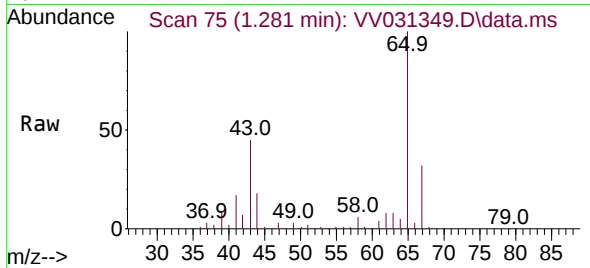




#5
 Vinyl chloride
 Concen: 0.177 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV031349.D
 Acq: 05 Jun 2023 16:02

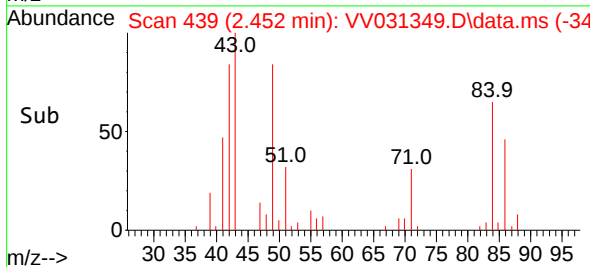
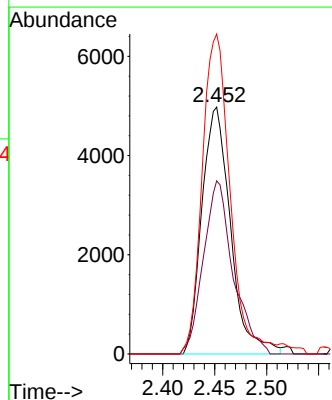
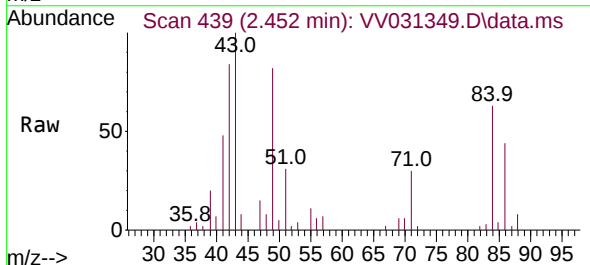
Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29DL

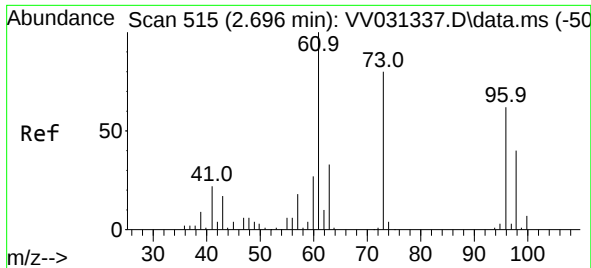
Tgt Ion: 62 Resp: 3200
 Ion Ratio Lower Upper
 62 100
 64 55.6 22.0 40.8#



#16
 Methylene chloride
 Concen: 0.618 ug/L
 RT: 2.452 min Scan# 439
 Delta R.T. 0.003 min
 Lab File: VV031349.D
 Acq: 05 Jun 2023 16:02

Tgt Ion: 84 Resp: 9546
 Ion Ratio Lower Upper
 84 100
 86 70.1 46.7 86.7
 49 129.6 101.6 188.8

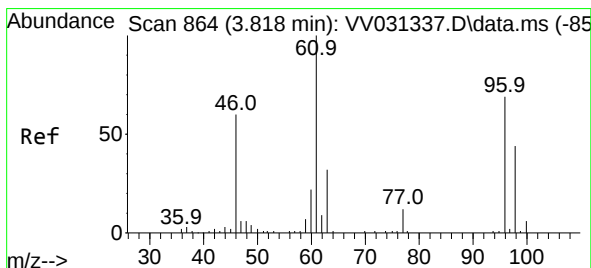
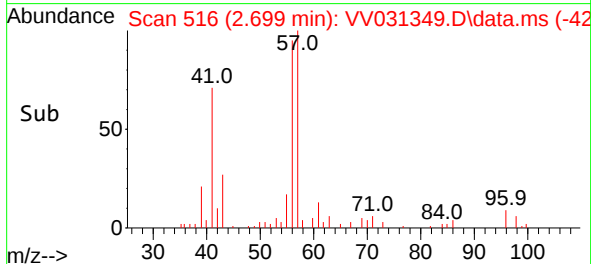
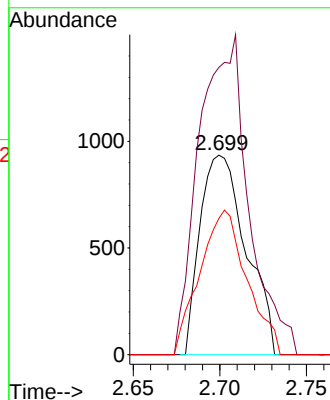
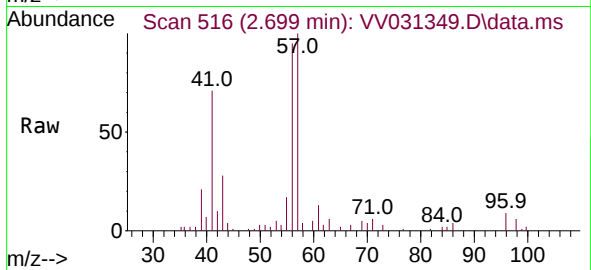




#18
trans-1,2-Dichloroethene
Concen: 0.144 ug/L
RT: 2.699 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

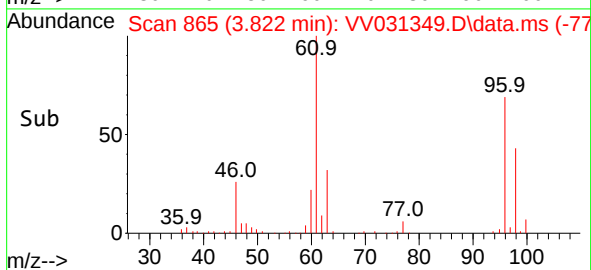
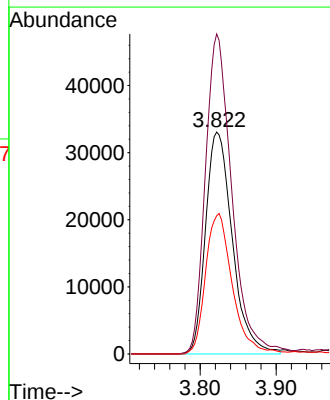
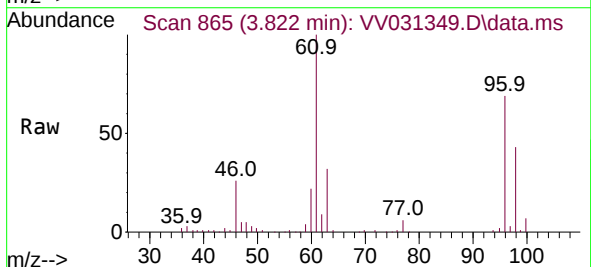
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ClientSampleId :
F6C29DL

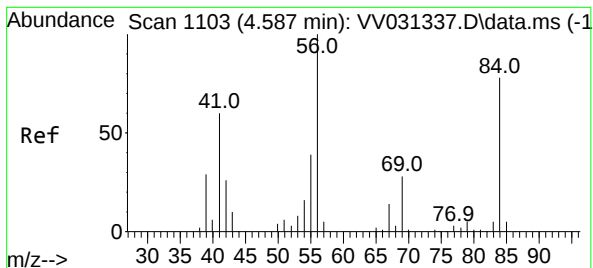
Tgt Ion: 96 Resp: 1730
Ion Ratio Lower Upper
96 100
61 144.1 114.2 212.0
98 68.3 45.0 83.6



#22
cis-1,2-Dichloroethene
Concen: 6.633 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

Tgt Ion: 96 Resp: 80982
Ion Ratio Lower Upper
96 100
61 144.2 100.8 187.2
98 62.3 45.1 83.9





#30

Cyclohexane

Concen: 8.963 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV031349.D

Acq: 05 Jun 2023 16:02

Instrument :

MSVOA_V

ClientSampleId :

F6C29DL

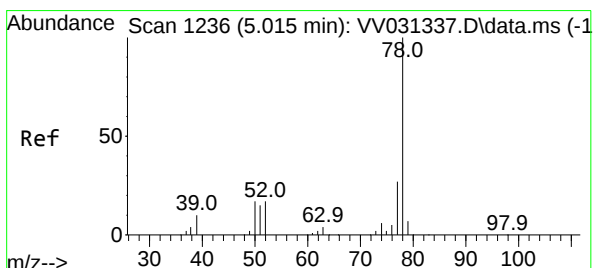
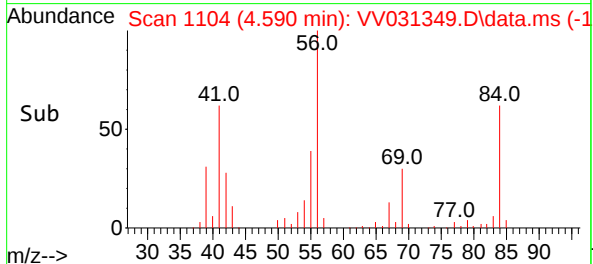
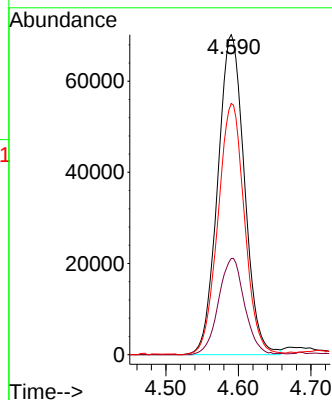
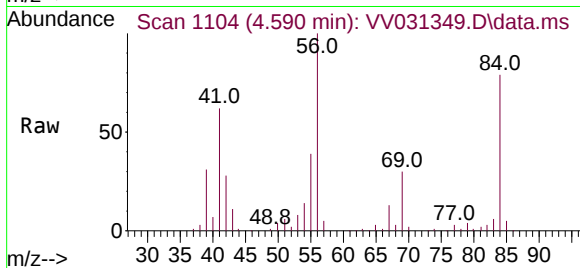
Tgt Ion: 56 Resp: 179244

Ion Ratio Lower Upper

56 100

69 29.3 23.2 34.8

84 78.3 58.5 87.7



#33

Benzene

Concen: 6.317 ug/L

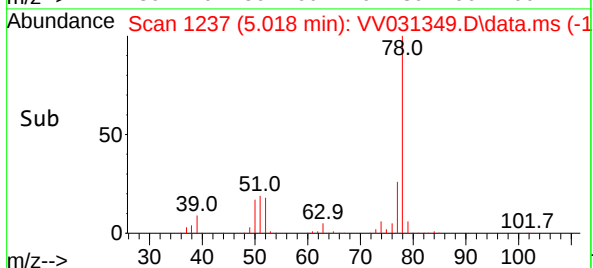
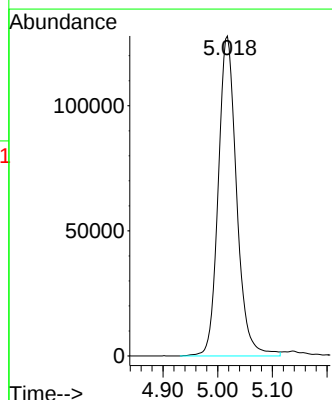
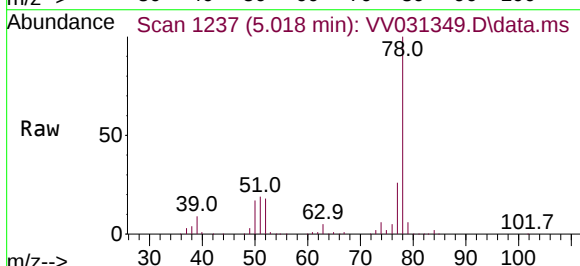
RT: 5.018 min Scan# 1237

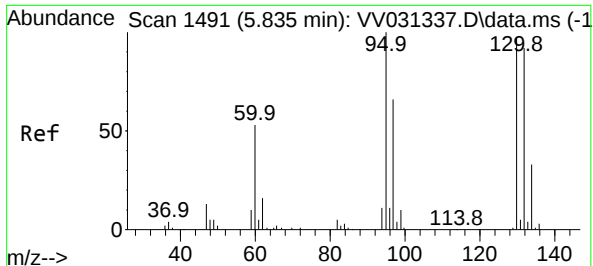
Delta R.T. 0.003 min

Lab File: VV031349.D

Acq: 05 Jun 2023 16:02

Tgt Ion: 78 Resp: 297837

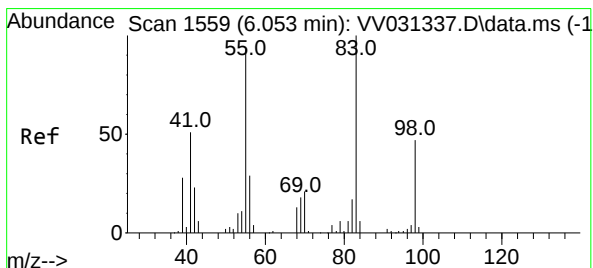
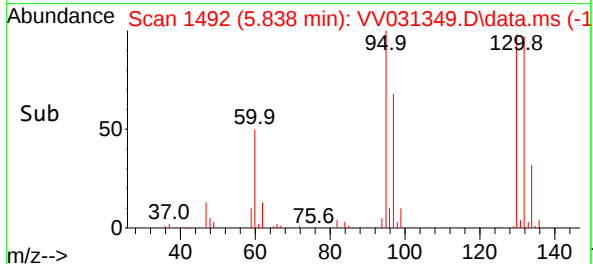
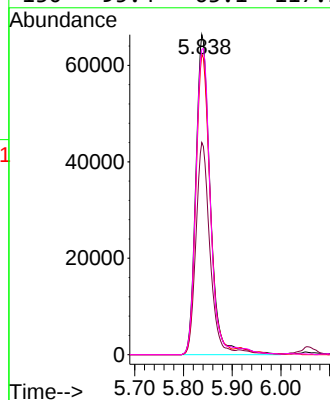
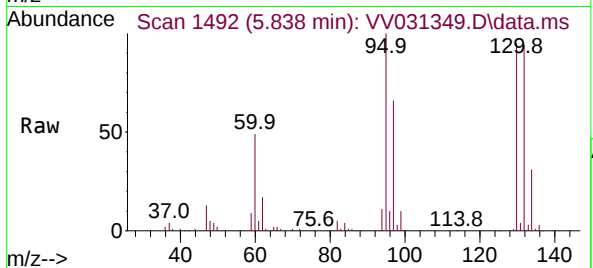




#34
Trichloroethene
Concen: 10.790 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

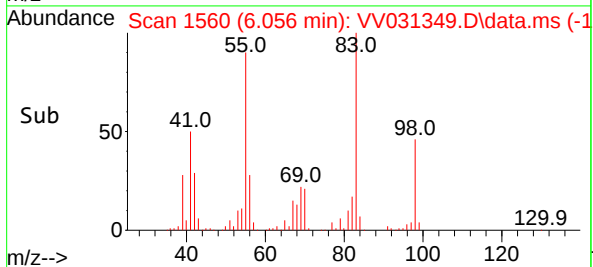
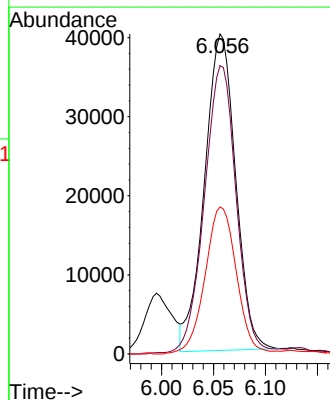
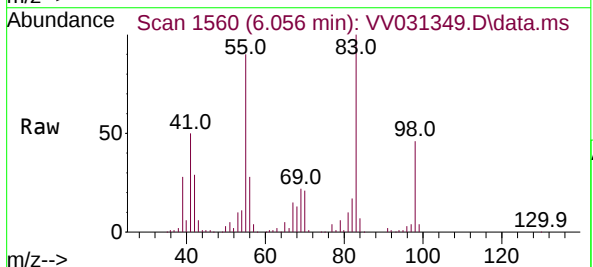
Instrument :
MSVOA_V
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F6C29DL

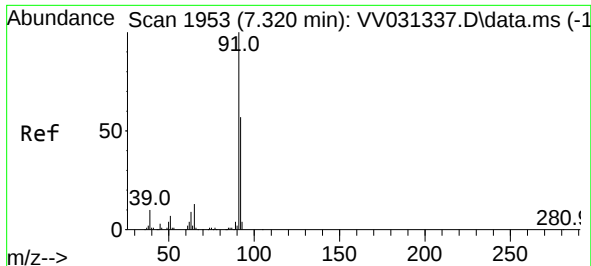
Tgt Ion: 95 Resp: 137386
Ion Ratio Lower Upper
95 100
97 66.3 46.1 85.5
132 93.8 64.5 119.9
130 95.4 63.1 117.1



#35
Methylcyclohexane
Concen: 4.390 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

Tgt Ion: 83 Resp: 83215
Ion Ratio Lower Upper
83 100
55 94.5 74.6 112.0
98 47.0 36.5 54.7





#42

Toluene

Concen: 0.092 ug/L

RT: 7.329 min Scan# 1953

Delta R.T. 0.010 min

Lab File: VV031349.D

Acq: 05 Jun 2023 16:02

Instrument :

MSVOA_V

ClientSampleId :

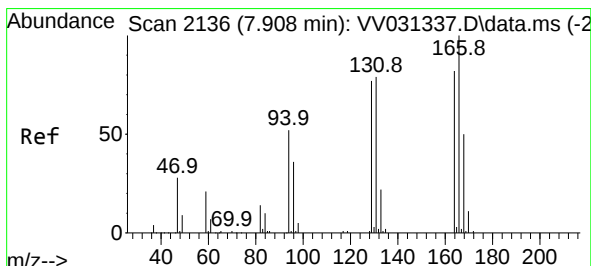
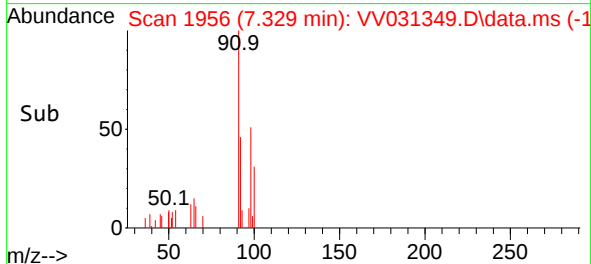
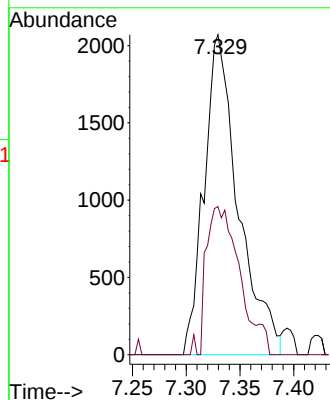
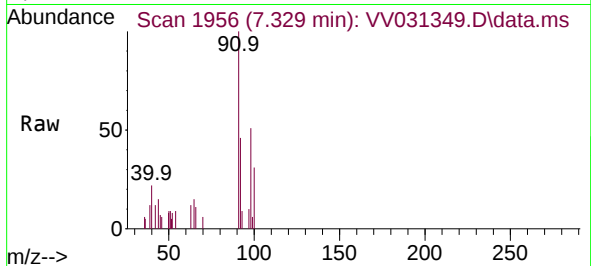
F6C29DL

Tgt Ion: 91 Resp: 4578

Ion Ratio Lower Upper

91 100

92 46.3 39.2 72.8



#47

Tetrachloroethene

Concen: 2.601 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV031349.D

Acq: 05 Jun 2023 16:02

Tgt Ion: 164 Resp: 25812

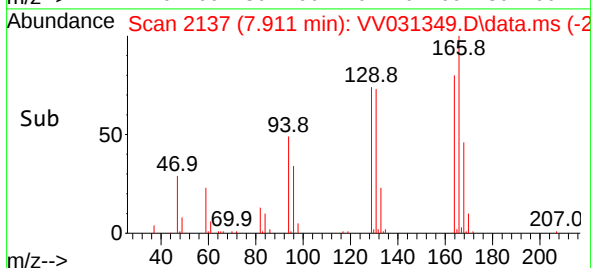
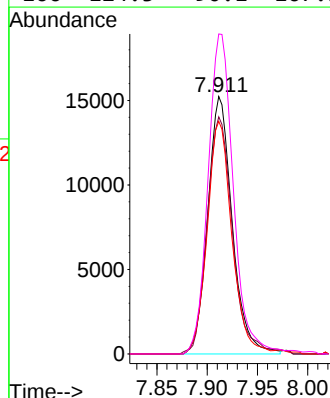
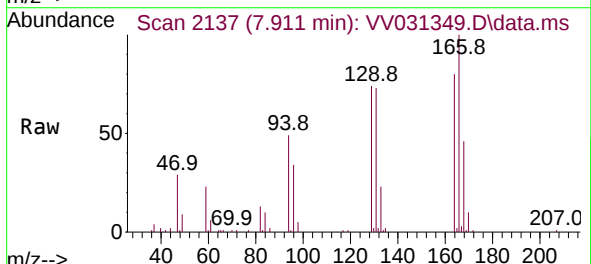
Ion Ratio Lower Upper

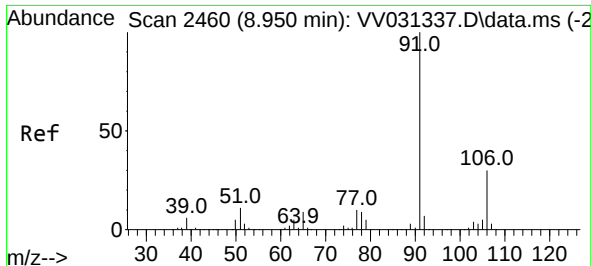
164 100

129 92.1 66.0 122.6

131 90.4 65.3 121.3

166 124.3 90.1 167.3





#52

Ethylbenzene

Concen: 1.215 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV031349.D

Acq: 05 Jun 2023 16:02

Instrument :

MSVOA_V

ClientSampleId :

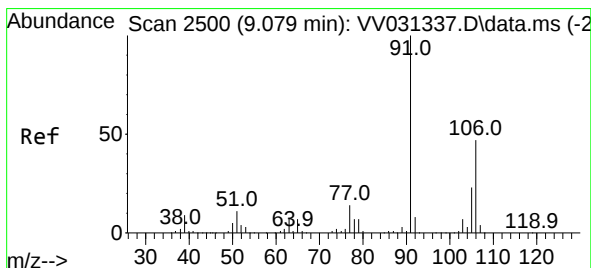
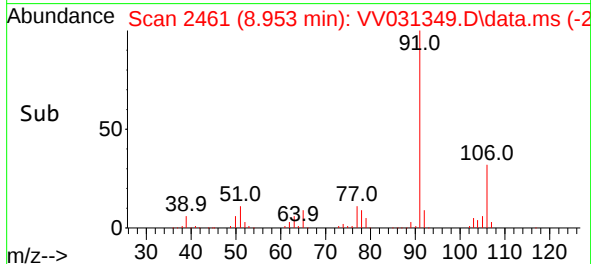
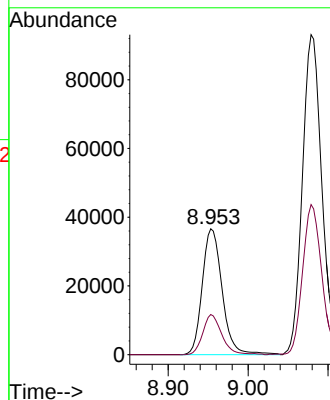
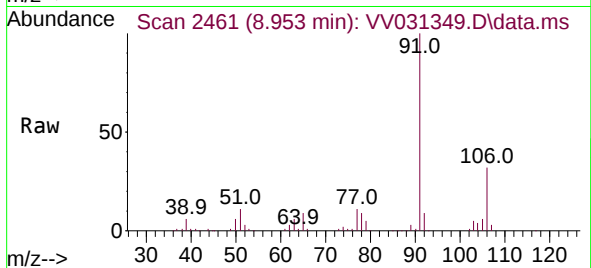
F6C29DL

Tgt Ion: 91 Resp: 63594

Ion Ratio Lower Upper

91 100

106 31.8 20.0 37.2



#53

m,p-Xylene

Concen: 3.948 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031349.D

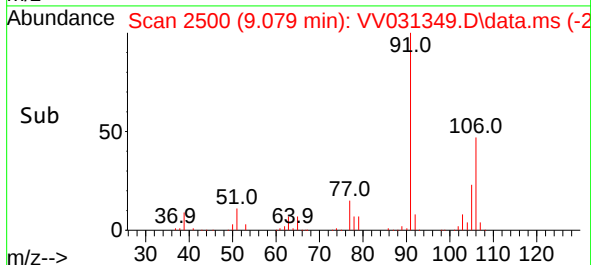
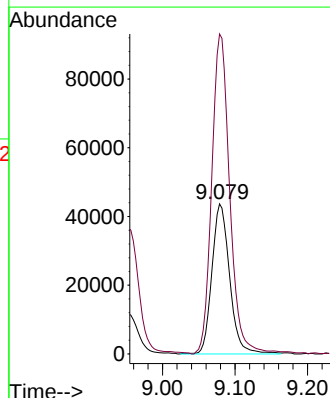
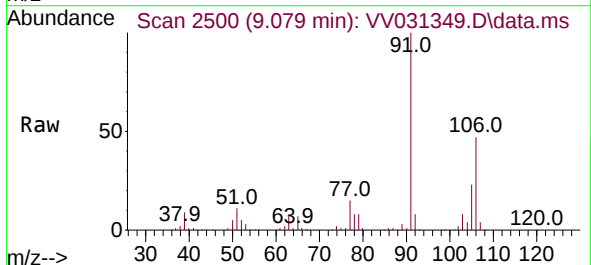
Acq: 05 Jun 2023 16:02

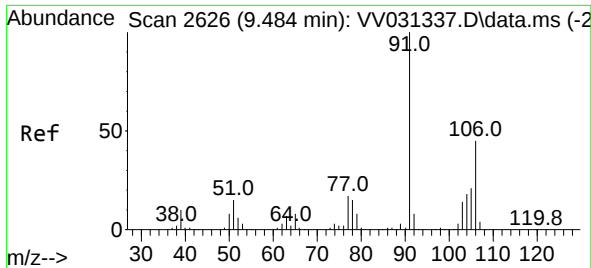
Tgt Ion: 106 Resp: 74320

Ion Ratio Lower Upper

106 100

91 213.3 154.3 286.5

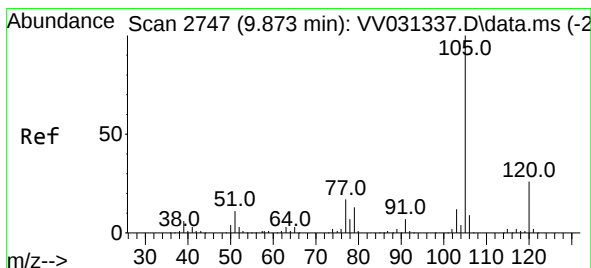
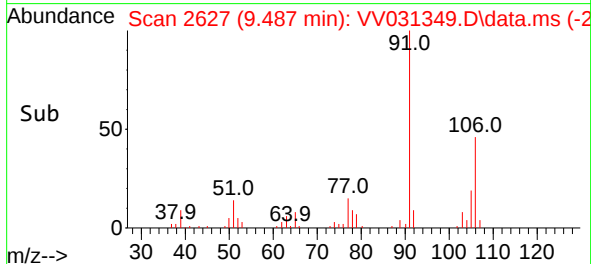
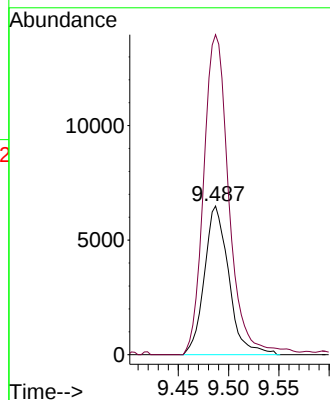
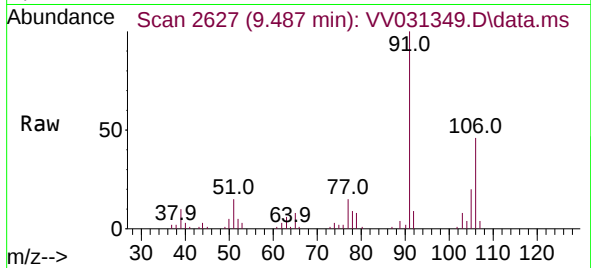




#54
o-Xylene
Concen: 0.622 ug/L
RT: 9.487 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

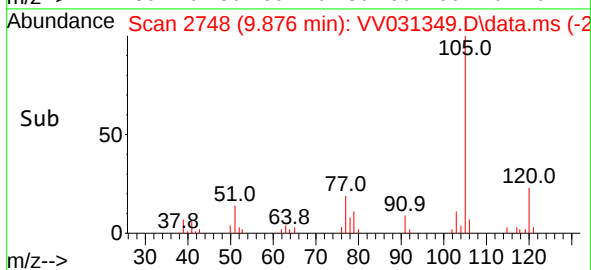
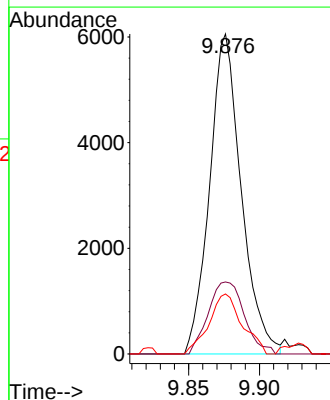
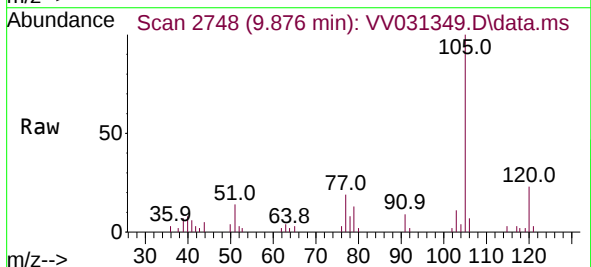
Instrument :
MSVOA_V
ClientSampleId :
F6C29DL

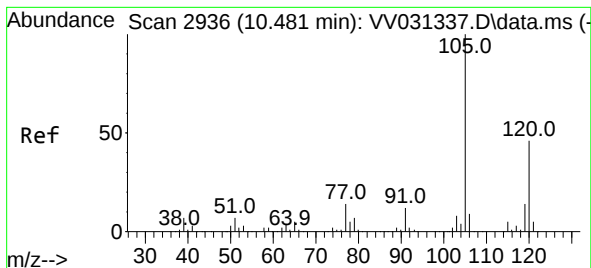
Tgt Ion:106 Resp: 10971
Ion Ratio Lower Upper
106 100
91 215.3 159.0 295.4



#60
Isopropylbenzene
Concen: 0.207 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

Tgt Ion:105 Resp: 9412
Ion Ratio Lower Upper
105 100
120 25.6 19.9 29.9
77 19.6 14.2 21.2





#62

1,3,5-Trimethylbenzene

Concen: 0.372 ug/L

RT: 10.484 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV031349.D

Acq: 05 Jun 2023 16:02

Instrument :

MSVOA_V

ClientSampleId :

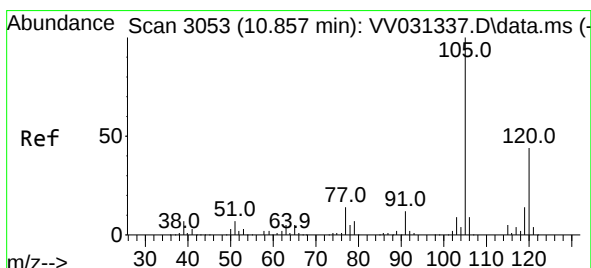
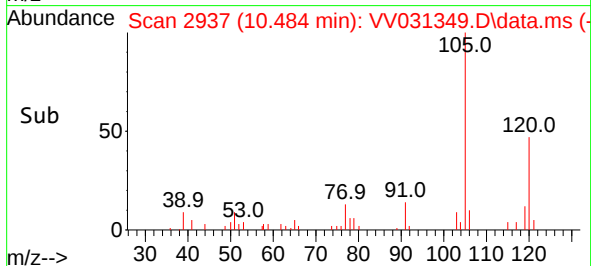
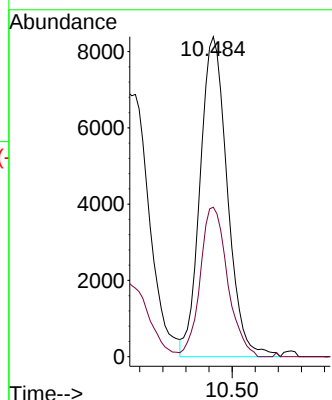
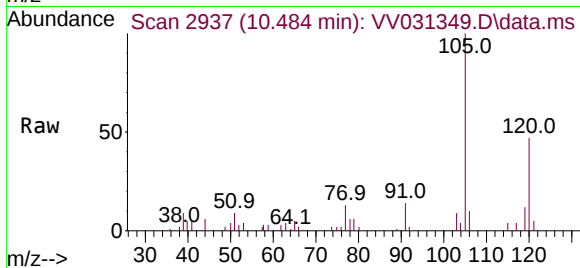
F6C29DL

Tgt Ion:105 Resp: 13717

Ion Ratio Lower Upper

105 100

120 46.9 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 0.792 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031349.D

Acq: 05 Jun 2023 16:02

Tgt Ion:105 Resp: 30141

Ion Ratio Lower Upper

105 100

120 46.9 33.2 49.8

