

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
15) Methyl Acetate	2.442	43	12637	1.758	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
27) 1,2-Dichloroethane	5.014	62	2411	0.148	ug/L #	75
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
37) 1,2-Dichloropropane	6.053	63	1395	0.101	ug/L #	86
42) Toluene	7.329	91	4578	0.092	ug/L	87
45) 1,1,2-Trichloroethane	7.725	97	1168	0.124	ug/L #	21
47) Tetrachloroethene	7.911	164	25812	2.601	ug/L	97
49) Dibromochloromethane	7.911	129	24315	2.312	ug/L #	10
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

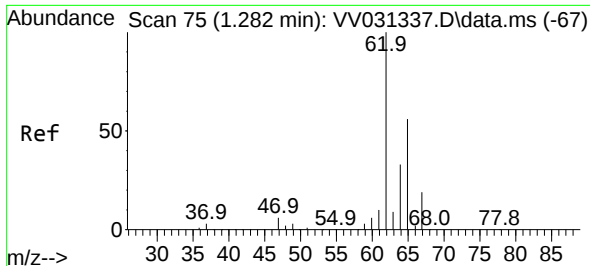
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060523\
Data File : VV031349.D
Acq On : 05 Jun 2023 16:02
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Quant Time: Jun 06 02:09:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jun 06 02:05:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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
71) Naphthalene	13.455	128	2533	0.126	ug/L #	91

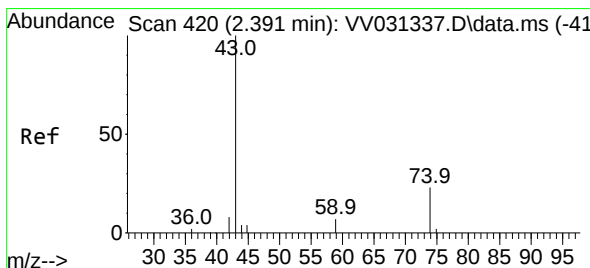
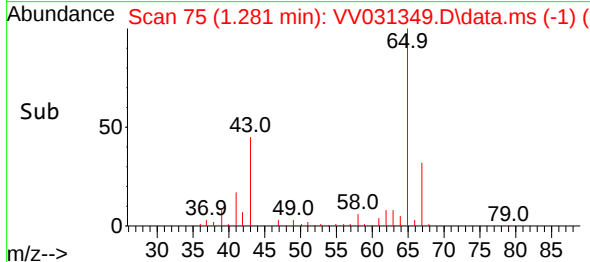
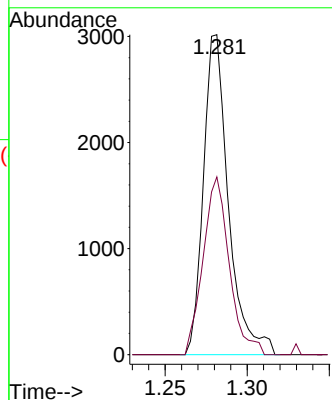
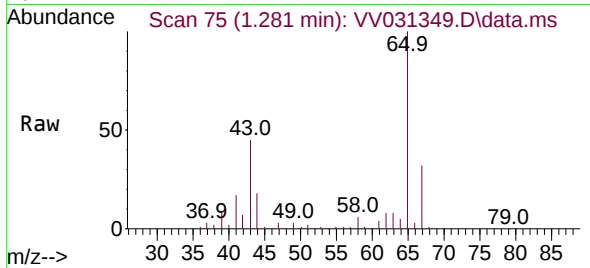
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

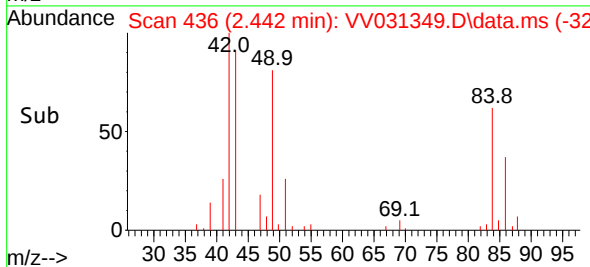
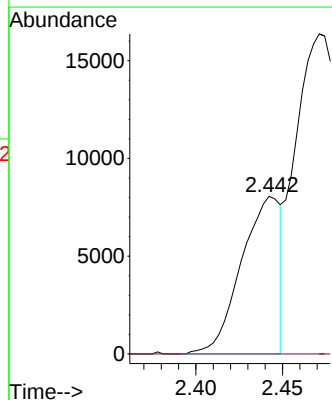
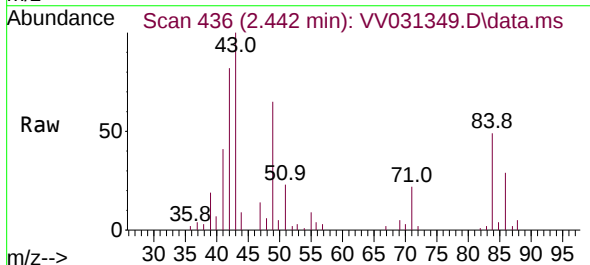
Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29DL

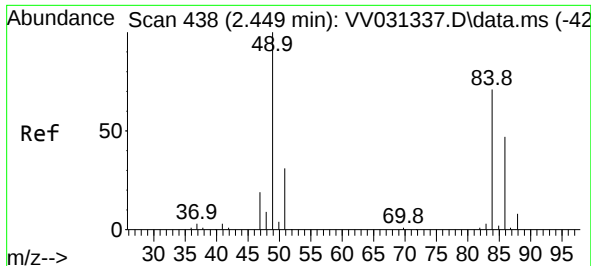
Tgt Ion: 62 Resp: 3200
 Ion Ratio Lower Upper
 62 100
 64 55.6 22.0 40.8#



#15
 Methyl Acetate
 Concen: 1.758 ug/L
 RT: 2.442 min Scan# 436
 Delta R.T. 0.051 min
 Lab File: VV031349.D
 Acq: 05 Jun 2023 16:02

Tgt Ion: 43 Resp: 12637
 Ion Ratio Lower Upper
 43 100
 74 0.0 16.2 24.2#

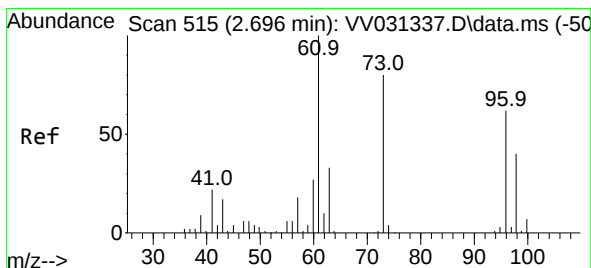
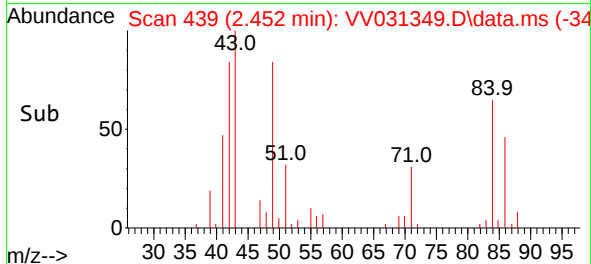
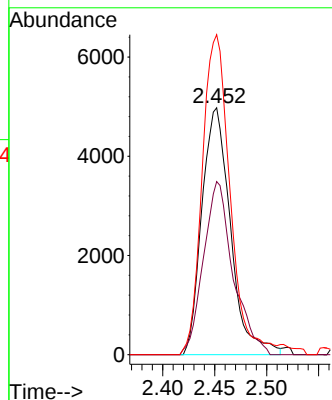
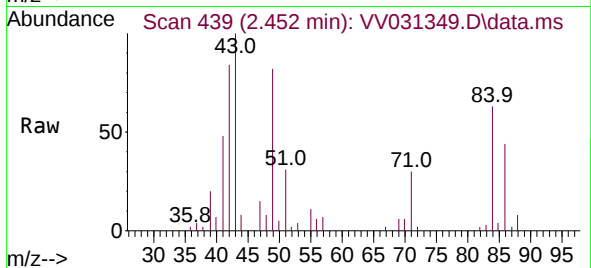




#16
Methylene chloride
Concen: 0.618 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

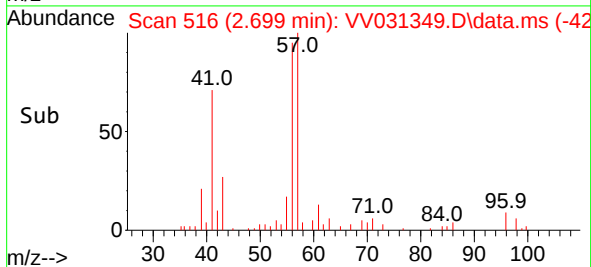
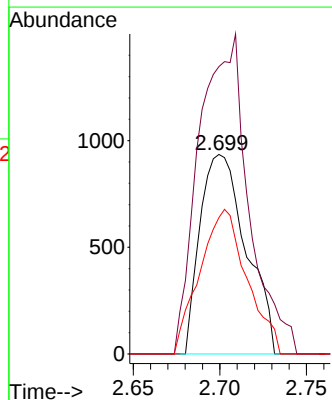
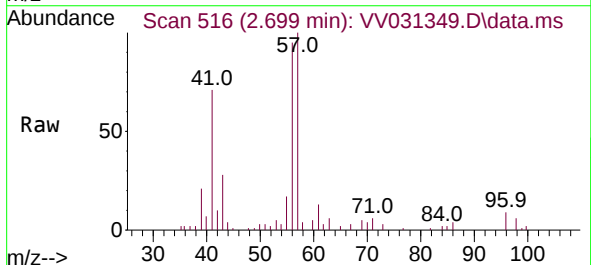
Instrument :
MSVOA_V
ClientSampleId :
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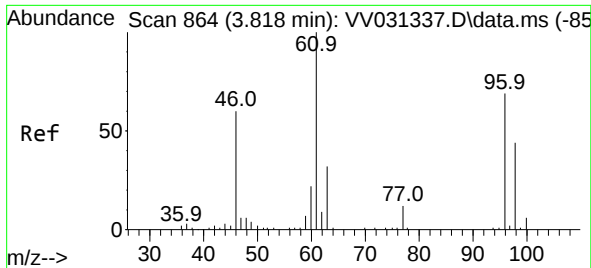
Tgt Ion: 84 Resp: 9546
Ion Ratio Lower Upper
84 100
86 70.1 46.7 86.7
49 129.6 101.6 188.8



#18
trans-1,2-Dichloroethene
Concen: 0.144 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

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

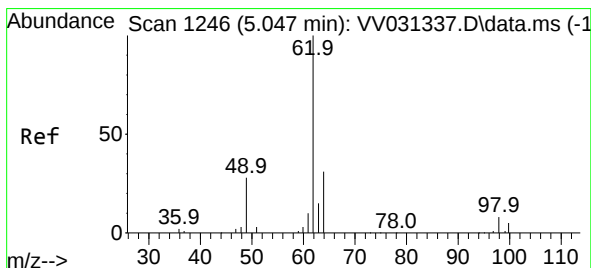
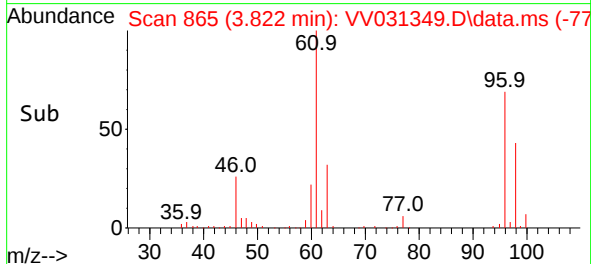
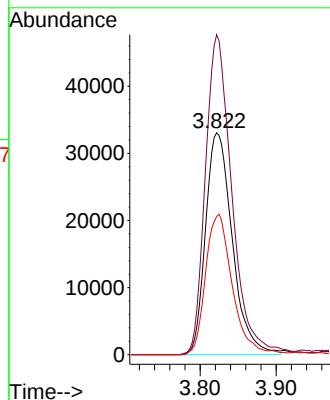
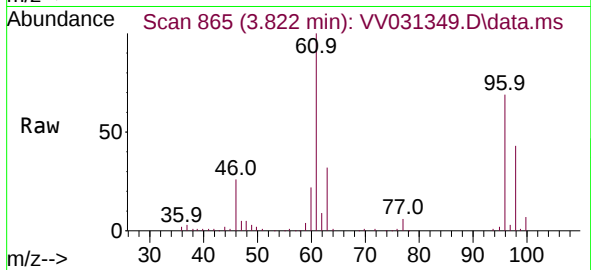




#22
 cis-1,2-Dichloroethene
 Concen: 6.633 ug/L
 RT: 3.822 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV031349.D
 Acq: 05 Jun 2023 16:02

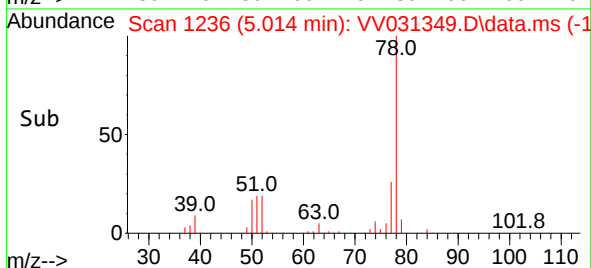
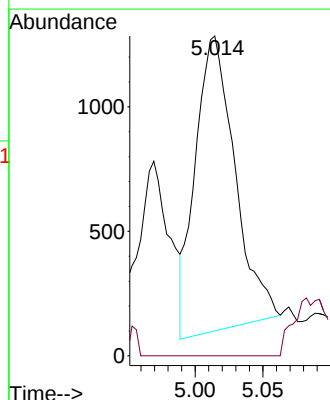
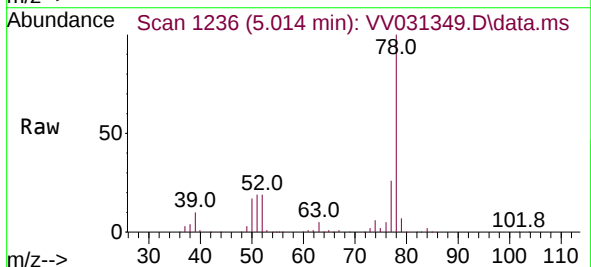
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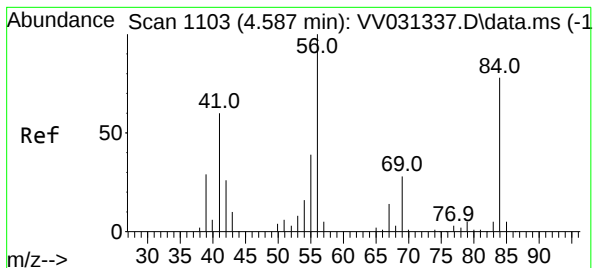
Tgt Ion: 96 Resp: 80982
 Ion Ratio Lower Upper
 96 100
 61 144.2 100.8 187.2
 98 62.3 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 0.148 ug/L
 RT: 5.014 min Scan# 1236
 Delta R.T. -0.032 min
 Lab File: VV031349.D
 Acq: 05 Jun 2023 16:02

Tgt Ion: 62 Resp: 2411
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#





#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

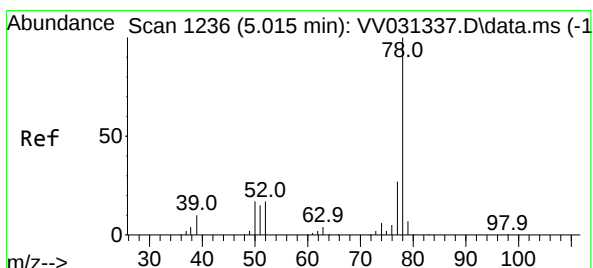
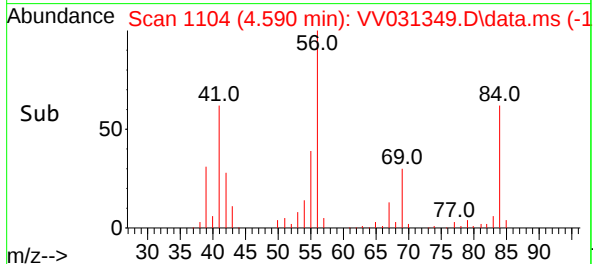
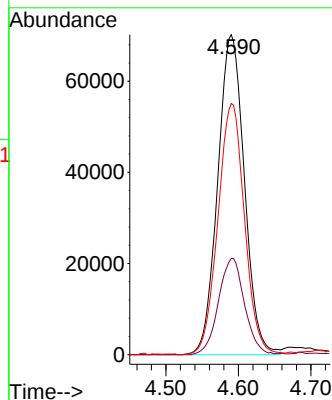
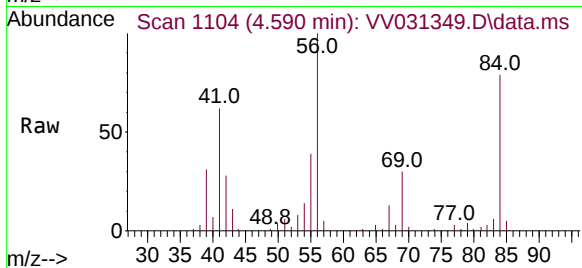
Tgt Ion: 56 Resp: 179244

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

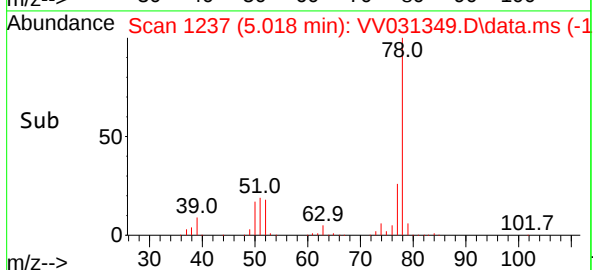
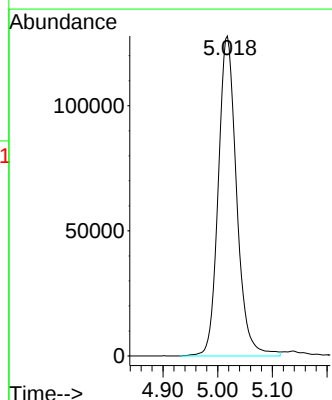
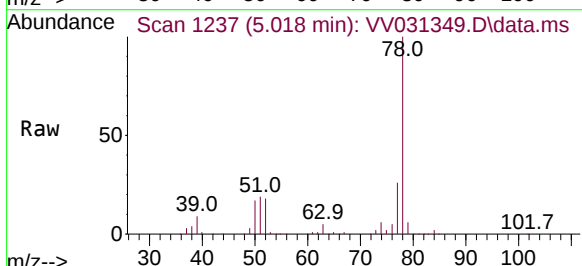
RT: 5.018 min Scan# 1237

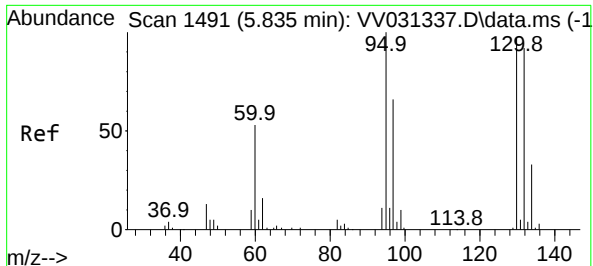
Delta R.T. 0.003 min

Lab File: VV031349.D

Acq: 05 Jun 2023 16:02

Tgt Ion: 78 Resp: 297837

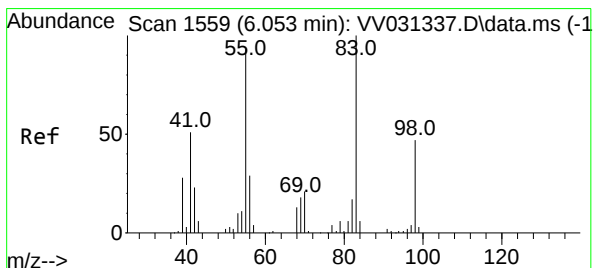
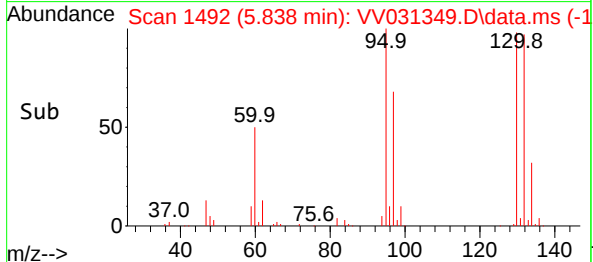
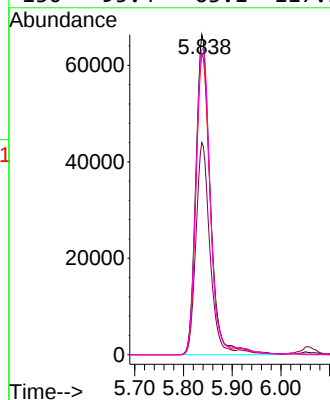
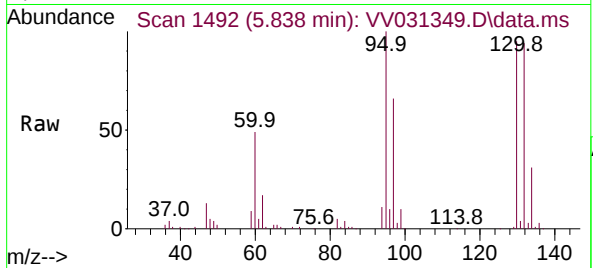




#34
Trichloroethene
Concen: 10.790 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

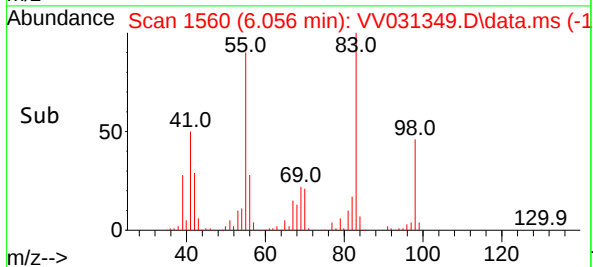
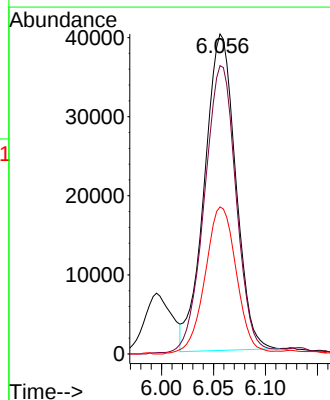
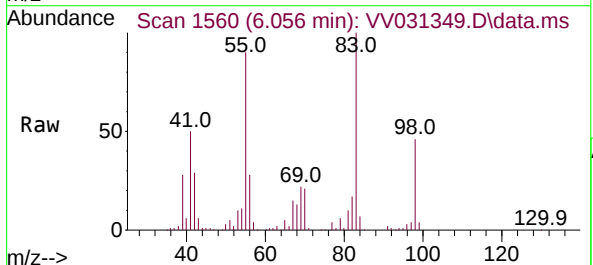
Instrument :
MSVOA_V
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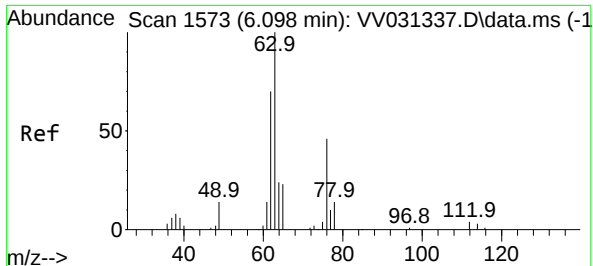
Tgt Ion: 95 Resp: 137386
Ion Ratio Lower Upper
95 100
97 66.3 46.1 85.5
132 93.8 64.5 119.9
130 95.4 63.1 117.1



#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





#37

1,2-Dichloropropane

Concen: 0.101 ug/L

RT: 6.053 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV031349.D

Acq: 05 Jun 2023 16:02

Instrument :

MSVOA_V

ClientSampleId :

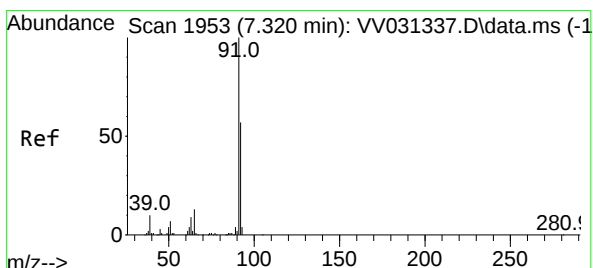
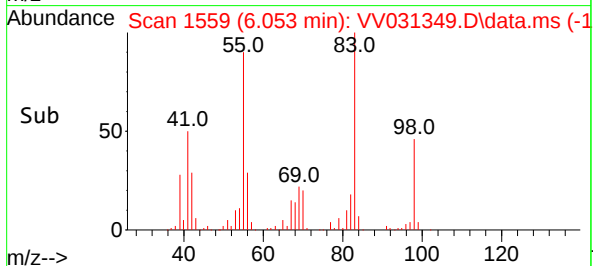
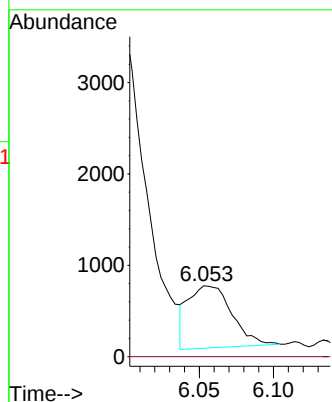
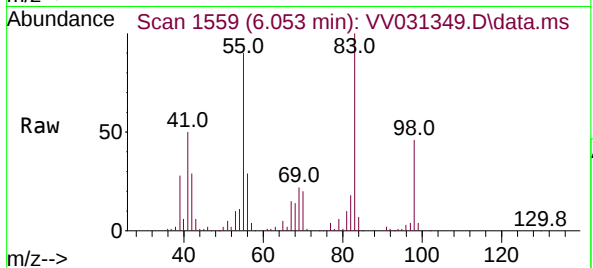
F6C29DL

Tgt Ion: 63 Resp: 1395

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#42

Toluene

Concen: 0.092 ug/L

RT: 7.329 min Scan# 1956

Delta R.T. 0.010 min

Lab File: VV031349.D

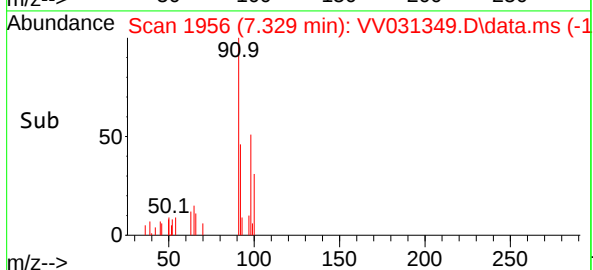
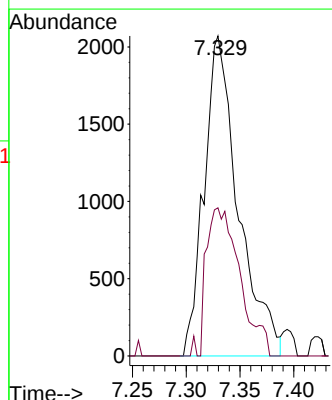
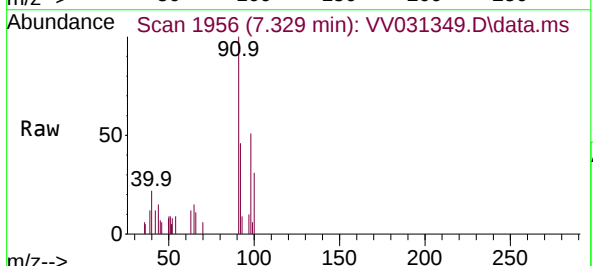
Acq: 05 Jun 2023 16:02

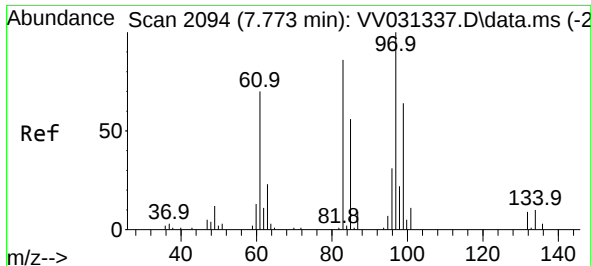
Tgt Ion: 91 Resp: 4578

Ion Ratio Lower Upper

91 100

92 46.3 39.2 72.8



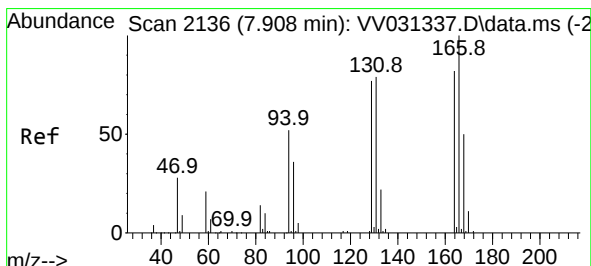
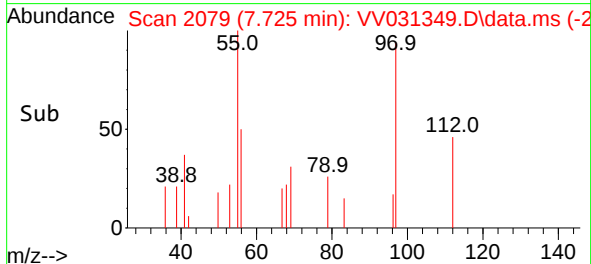
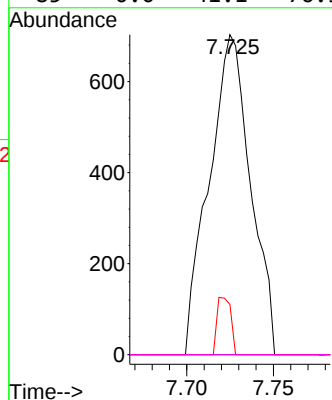
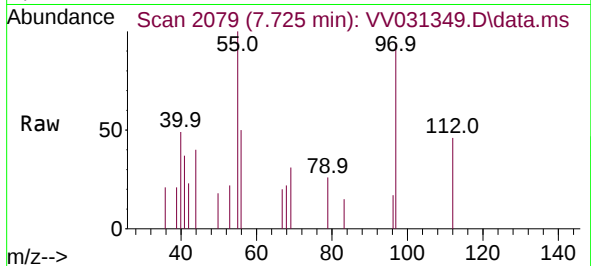


#45
1,1,2-Trichloroethane
Concen: 0.124 ug/L
RT: 7.725 min Scan# 2094
Delta R.T. -0.048 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

Instrument :
MSVOA_V
ClientSampleId :
F6C29DL

Tgt Ion: 97 Resp: 1168

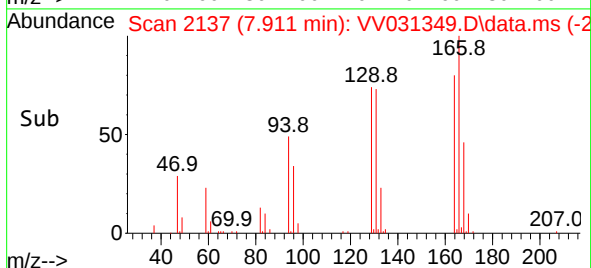
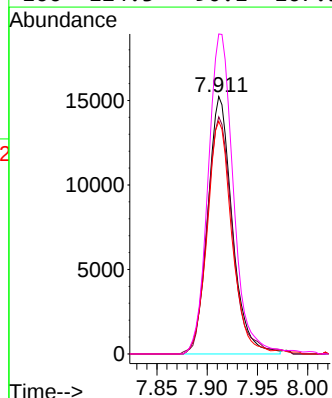
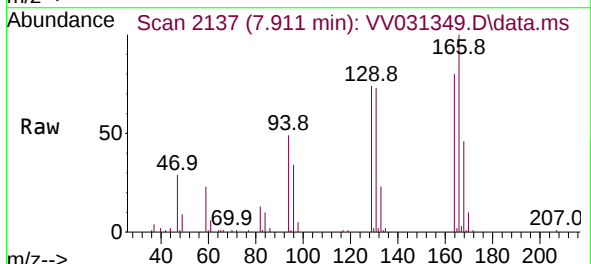
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.1	80.1#
83	15.6	63.1	117.1#
85	0.0	41.1	76.3#

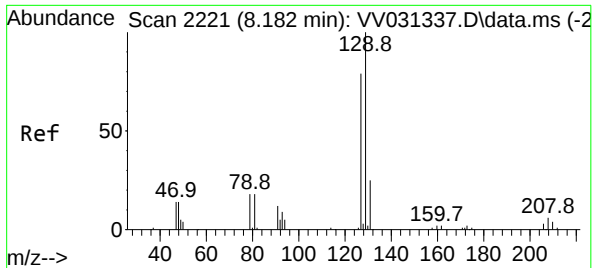


#47
Tetrachloroethene
Concen: 2.601 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

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

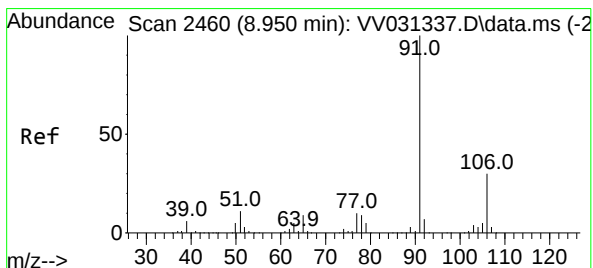
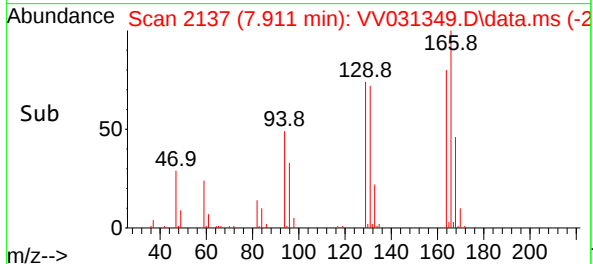
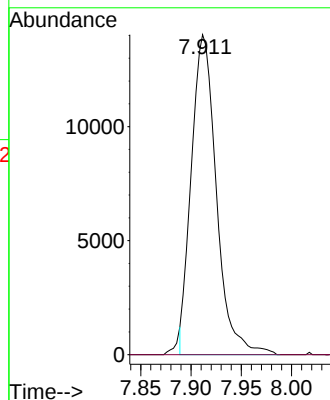
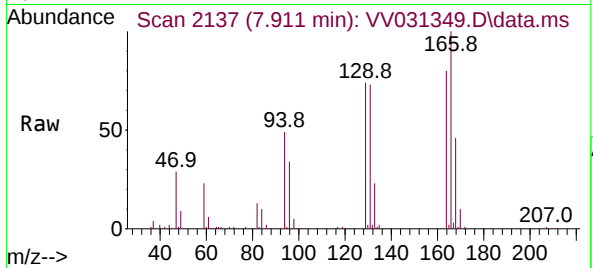




#49
Dibromochloromethane
Concen: 2.312 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.270 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

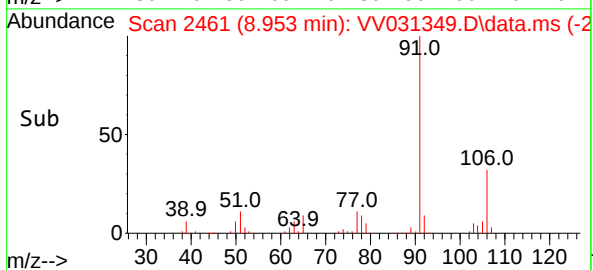
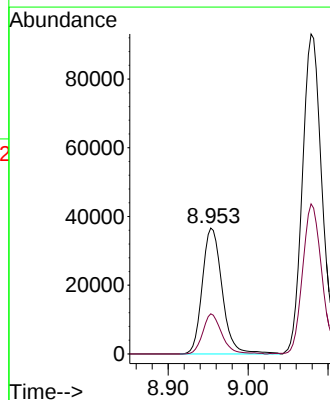
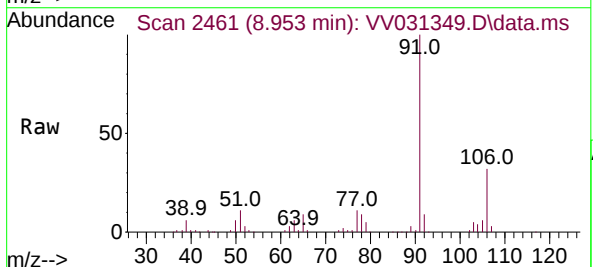
Instrument :
MSVOA_V
ClientSampleId :
F6C29DL

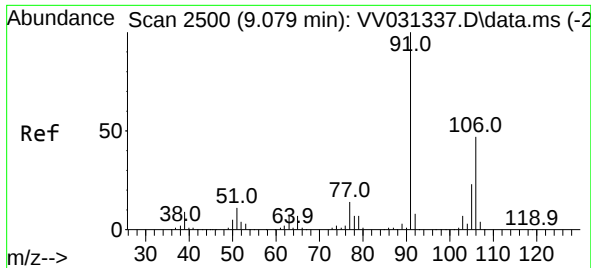
Tgt Ion:129 Resp: 24315
Ion Ratio Lower Upper
129 100
127 0.0 55.0 102.2#



#52
Ethylbenzene
Concen: 1.215 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

Tgt Ion: 91 Resp: 63594
Ion Ratio Lower Upper
91 100
106 31.8 20.0 37.2

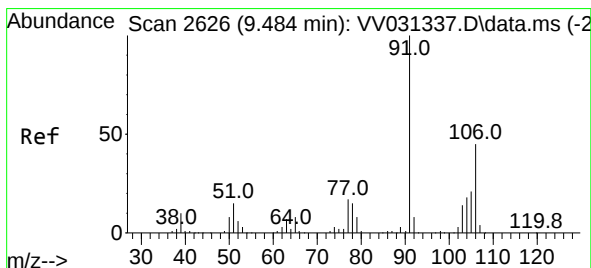
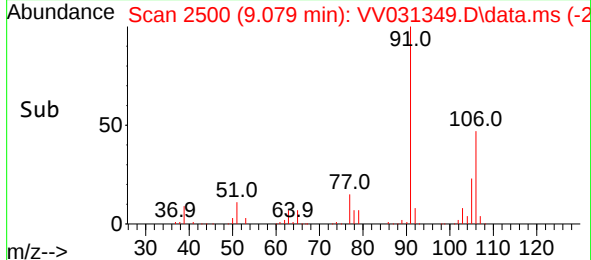
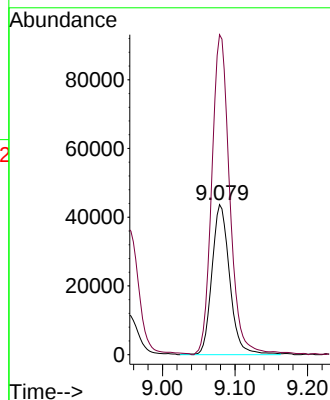
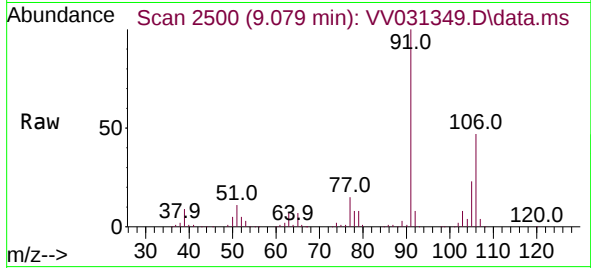




#53
m,p-Xylene
Concen: 3.948 ug/L
RT: 9.079 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

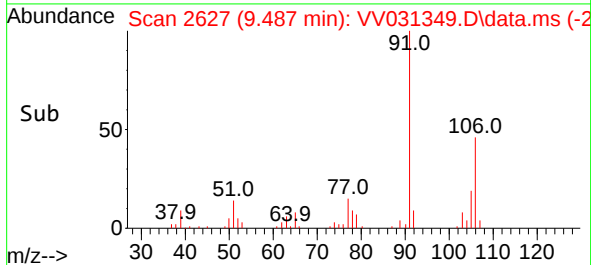
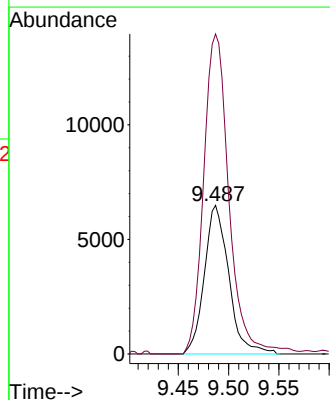
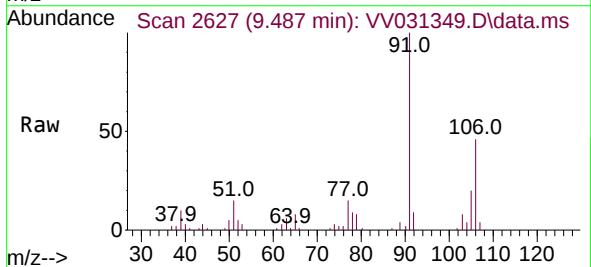
Instrument :
MSVOA_V
ClientSampleId :
F6C29DL

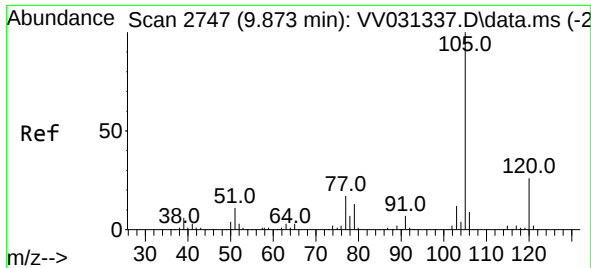
Tgt Ion:106 Resp: 74320
Ion Ratio Lower Upper
106 100
91 213.3 154.3 286.5



#54
o-Xylene
Concen: 0.622 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

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

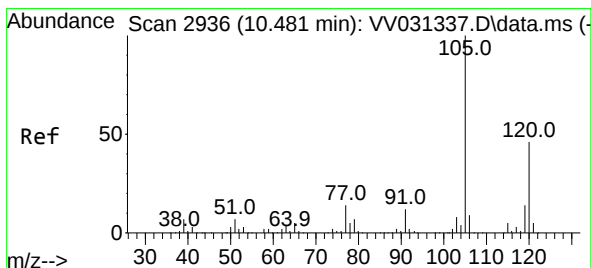
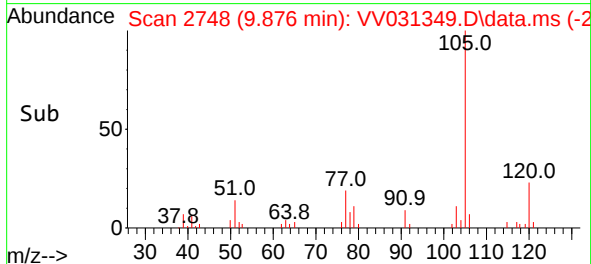
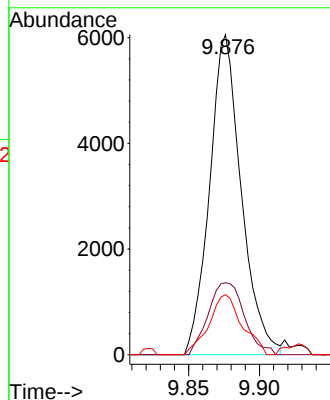
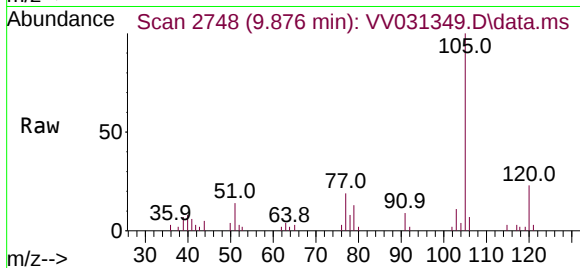




#60
Isopropylbenzene
Concen: 0.207 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

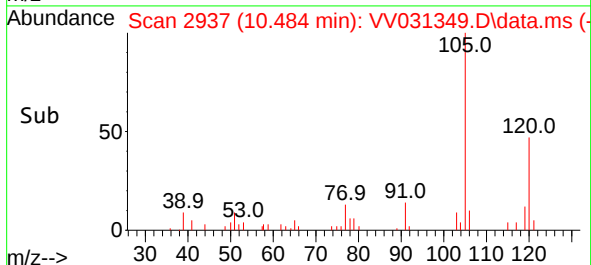
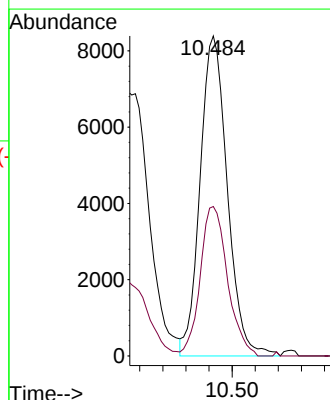
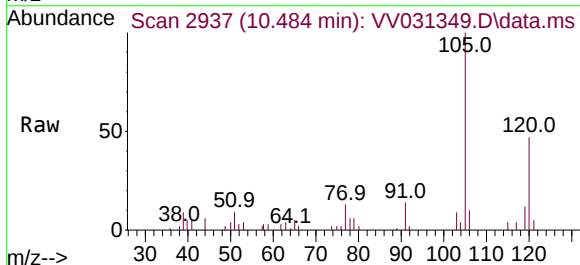
Instrument :
MSVOA_V
ClientSampleId :
F6C29DL

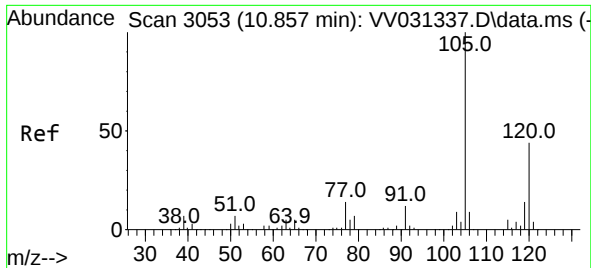
Tgt Ion:105 Resp: 9412
Ion Ratio Lower Upper
105 100
120 25.6 19.9 29.9
77 19.6 14.2 21.2



#62
1,3,5-Trimethylbenzene
Concen: 0.372 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

Tgt Ion:105 Resp: 13717
Ion Ratio Lower Upper
105 100
120 46.9 35.9 53.9

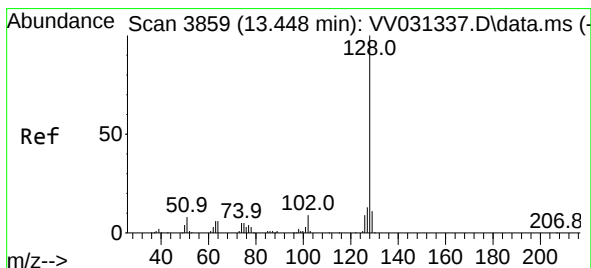
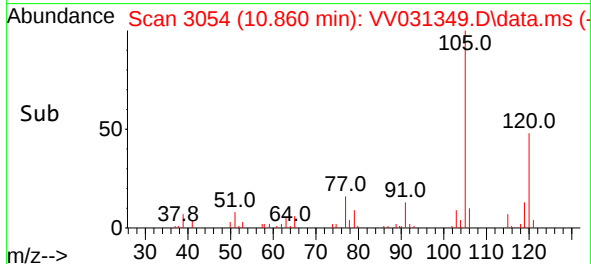
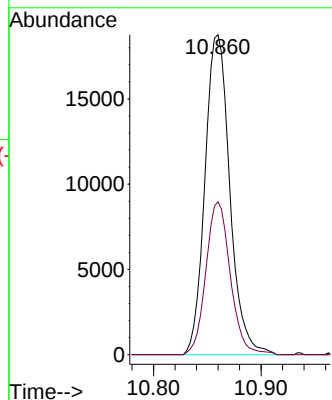
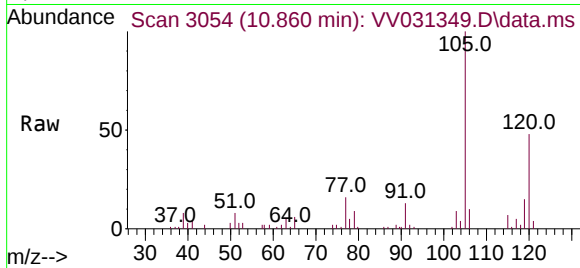




#63
1,2,4-Trimethylbenzene
Concen: 0.792 ug/L
RT: 10.860 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

Instrument :
MSVOA_V
ClientSampleId :
F6C29DL

Tgt Ion:105 Resp: 30141
Ion Ratio Lower Upper
105 100
120 46.9 33.2 49.8



#71
Naphthalene
Concen: 0.126 ug/L
RT: 13.455 min Scan# 3861
Delta R.T. 0.006 min
Lab File: VV031349.D
Acq: 05 Jun 2023 16:02

Tgt Ion:128 Resp: 2533
Ion Ratio Lower Upper
128 100
129 5.6 9.0 13.6#
127 12.3 11.4 17.2

