

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060523\
 Data File : VW031344.D
 Acq On : 05 Jun 2023 14:06
 Operator : SY/MD
 Sample : 03000-05 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29

Quant Time: Jun 06 02:08:06 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	5.539	114	135000	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	128257	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	66340	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	49771	3.624	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.400%
7) Chloroethane-d5	1.532	69	45296	3.905	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.056	65	25574	3.836	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.800%
20) 2-Butanone-d5	3.822	46	97489	30.672	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	61.340%
24) Chloroform-d	4.256	84	103061	4.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	4.950	65	53374	4.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	4.966	84	189925	4.871	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	5.995	67	61876	4.698	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.249	98	151056	4.125	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	7.561	79	20323	4.239	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.800%
46) 2-Hexanone-d5	8.034	63	74487	38.672	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.340%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	42483	4.243	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	59084	4.722	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.282	62	7082	0.394	ug/L	89
8) Chloroethane	1.282	64	2841	0.253	ug/L	97
13) Acetone	2.082	43	16311	4.441	ug/L	61
15) Methyl Acetate	2.468	43	117950	16.530	ug/L #	56
16) Methylene chloride	2.446	84	8924	0.582	ug/L	93
18) trans-1,2-Dichloroethene	2.700	96	4680	0.391	ug/L	90
22) cis-1,2-Dichloroethene	3.818	96	213089	17.581	ug/L	99
30) Cyclohexane	4.587	56	503018	25.981	ug/L	95
33) Benzene	5.011	78	765759	16.776	ug/L	100
34) Trichloroethene	5.834	95	351337	28.500	ug/L	97
35) Methylcyclohexane	6.053	83	238702	13.007	ug/L	96
37) 1,2-Dichloropropane	6.056	63	3693	0.275	ug/L #	90
42) Toluene	7.326	91	10284	0.212	ug/L	99
45) 1,1,2-Trichloroethane	7.722	97	3198	0.351	ug/L #	20
47) Tetrachloroethene	7.912	164	66660	6.939	ug/L	99
49) Dibromochloromethane	7.908	129	59860	5.878	ug/L #	10
52) Ethylbenzene	8.953	91	170878	3.373	ug/L	98
53) m,p-Xylene	9.079	106	219980	12.069	ug/L	98
54) o-Xylene	9.484	106	29845	1.747	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060523\
 Data File : VV031344.D
 Acq On : 05 Jun 2023 14:06
 Operator : SY/MD
 Sample : 03000-05 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29

Quant Time: Jun 06 02:08:06 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

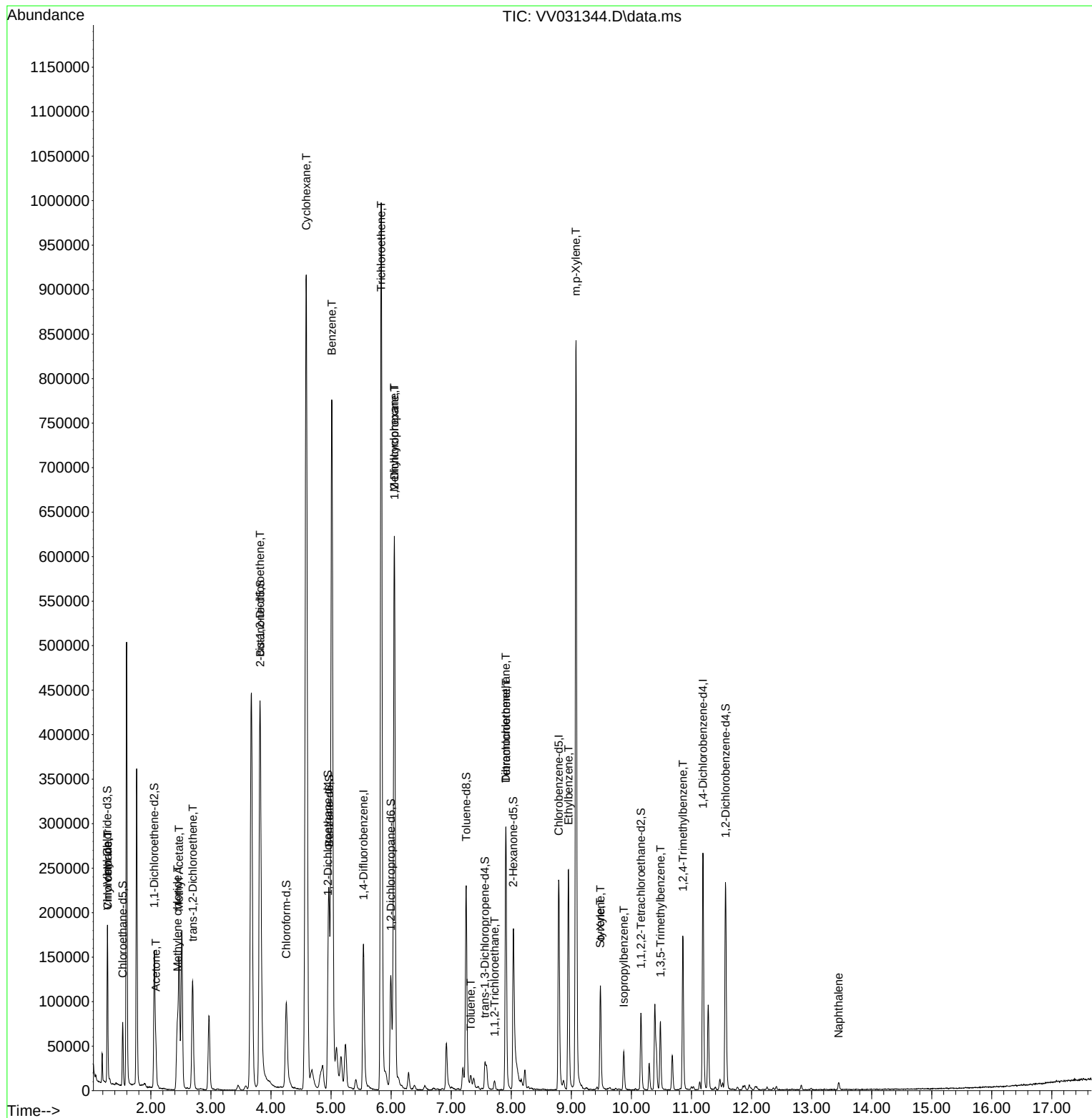
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	9.481	104	2672	0.088	ug/L #	1
60) Isopropylbenzene	9.873	105	25852	0.542	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	38517	0.997	ug/L	95
63) 1,2,4-Trimethylbenzene	10.857	105	89286	2.240	ug/L	95
71) Naphthalene	13.452	128	6619	0.314	ug/L	97

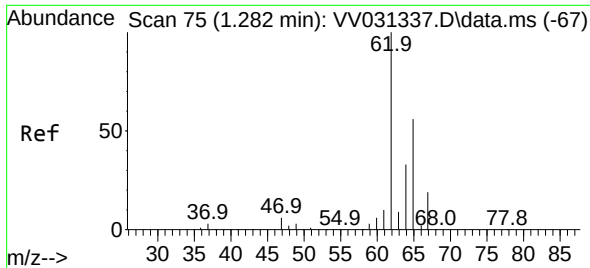
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060523\
Data File : VV031344.D
Acq On : 05 Jun 2023 14:06
Operator : SY/MD
Sample : 03000-05 20X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F6C29

Quant Time: Jun 06 02:08:06 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





#5
 Vinyl chloride
 Concen: 0.394 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV031344.D
 Acq: 05 Jun 2023 14:06

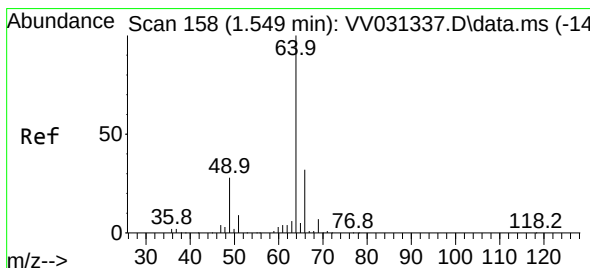
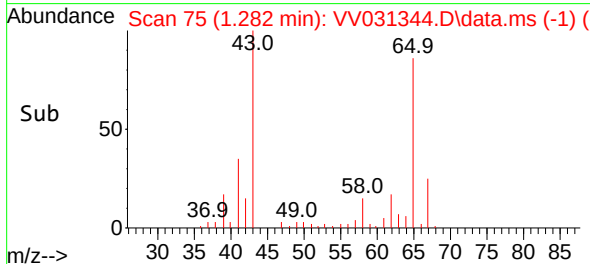
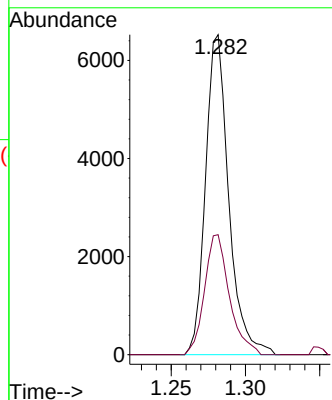
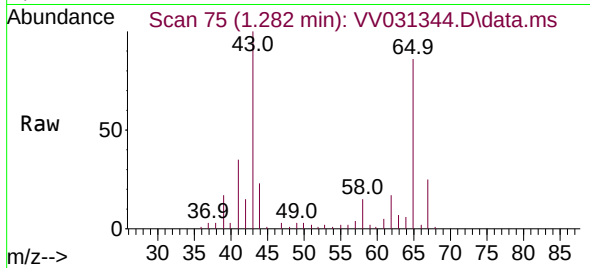
Instrument :

MSVOA_V

ClientSampleId :

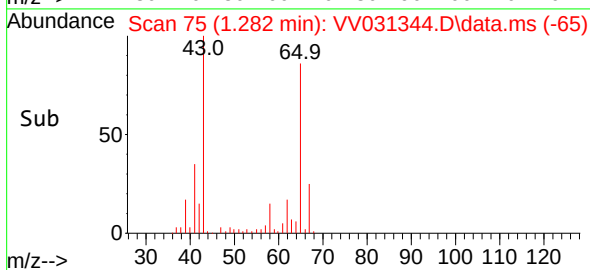
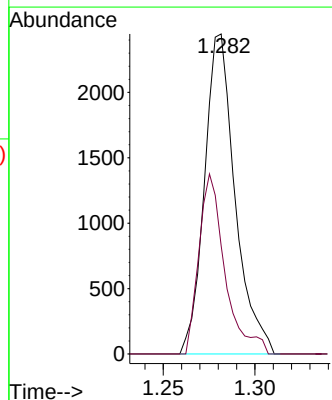
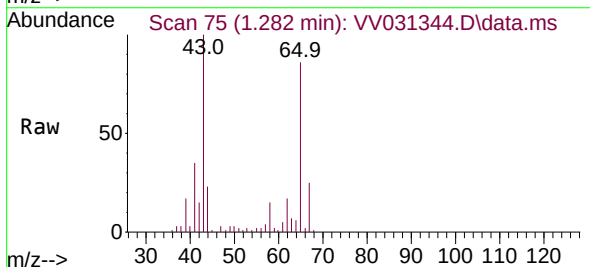
F6C29

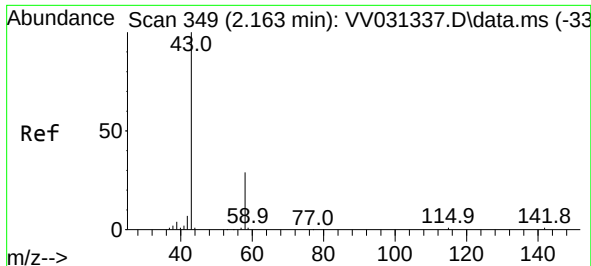
Tgt Ion: 62 Resp: 7082
 Ion Ratio Lower Upper
 62 100
 64 37.5 22.0 40.8



#8
 Chloroethane
 Concen: 0.253 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.267 min
 Lab File: VV031344.D
 Acq: 05 Jun 2023 14:06

Tgt Ion: 64 Resp: 2841
 Ion Ratio Lower Upper
 64 100
 66 33.8 22.5 41.9





#13

Acetone

Concen: 4.441 ug/L

RT: 2.082 min Scan# 31

Delta R.T. -0.080 min

Lab File: VV031344.D

Acq: 05 Jun 2023 14:06

Instrument :

MSVOA_V

ClientSampleId :

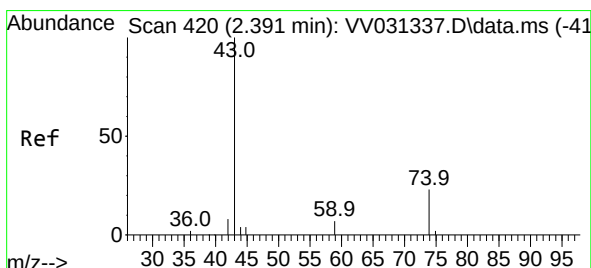
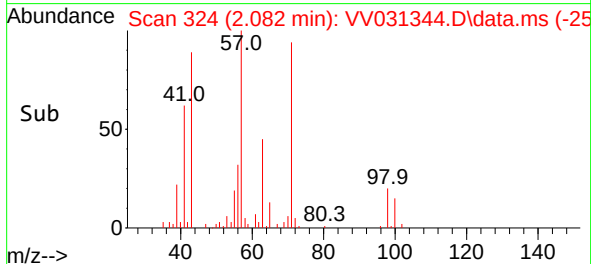
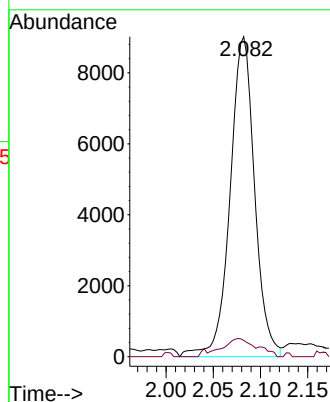
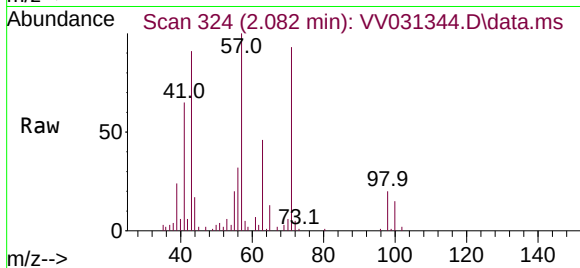
F6C29

Tgt Ion: 43 Resp: 16311

Ion Ratio Lower Upper

43 100

58 4.9 0.0 48.4



#15

Methyl Acetate

Concen: 16.530 ug/L

RT: 2.468 min Scan# 444

Delta R.T. 0.077 min

Lab File: VV031344.D

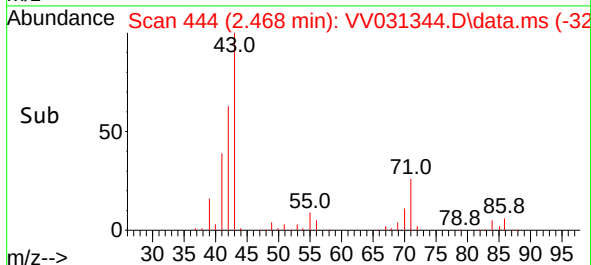
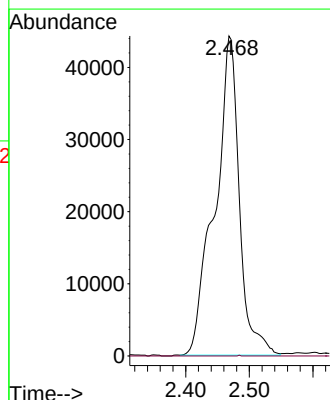
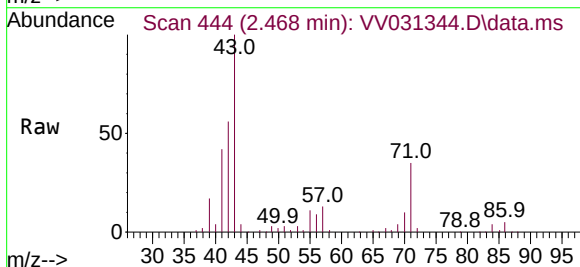
Acq: 05 Jun 2023 14:06

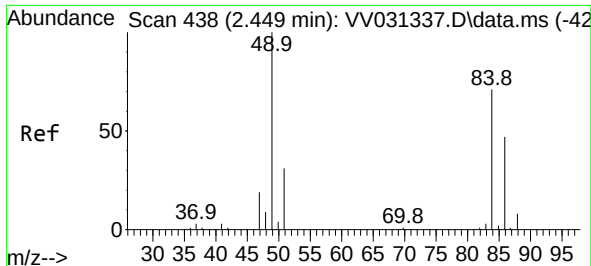
Tgt Ion: 43 Resp: 117950

Ion Ratio Lower Upper

43 100

74 0.0 16.2 24.2#

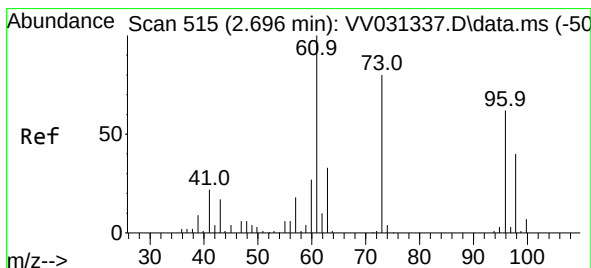
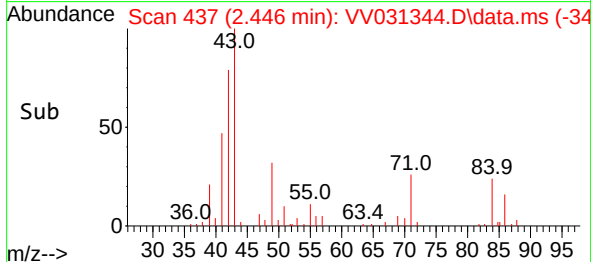
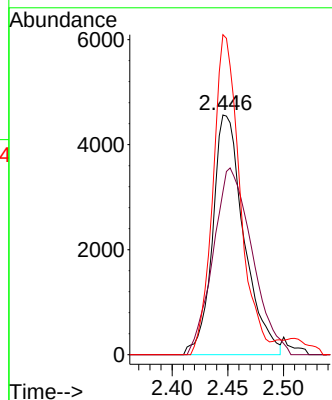
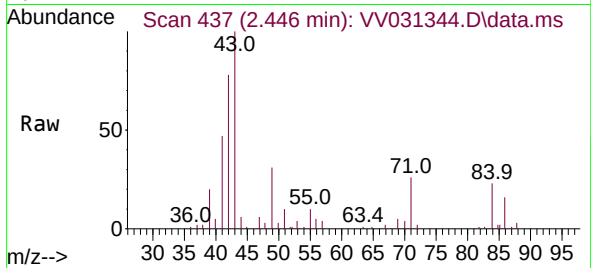




#16
Methylene chloride
Concen: 0.582 ug/L
RT: 2.446 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

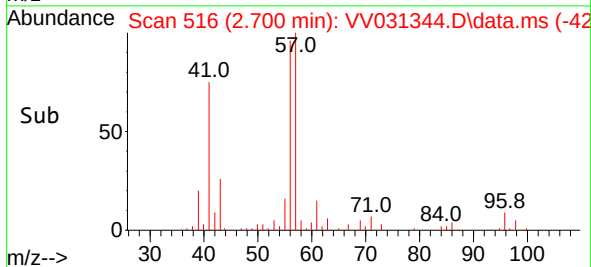
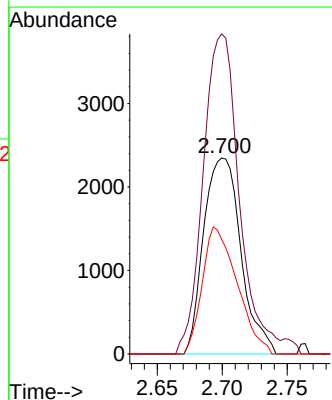
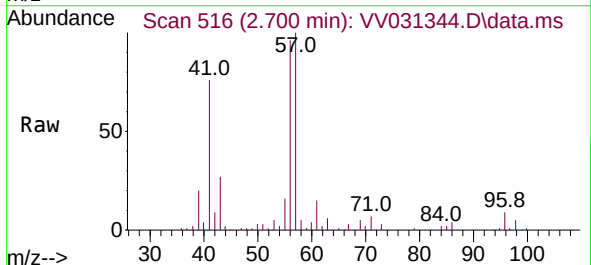
Instrument :
MSVOA_V
ClientSampleId :
F6C29

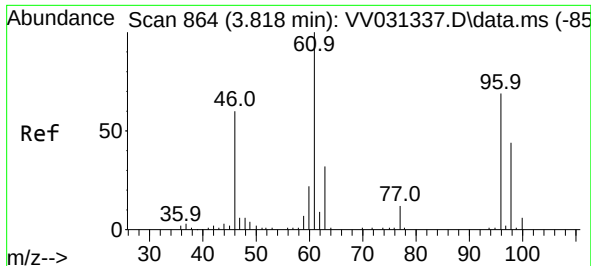
Tgt Ion: 84 Resp: 8924
Ion Ratio Lower Upper
84 100
86 68.0 46.7 86.7
49 133.5 101.6 188.8



#18
trans-1,2-Dichloroethene
Concen: 0.391 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

Tgt Ion: 96 Resp: 4680
Ion Ratio Lower Upper
96 100
61 151.9 114.2 212.0
98 54.5 45.0 83.6



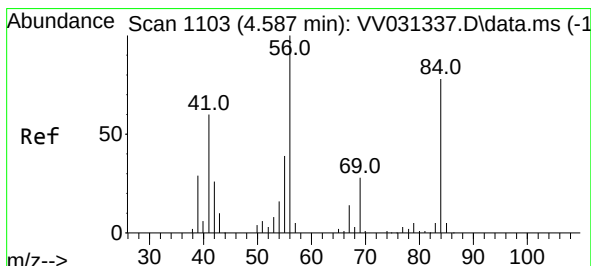
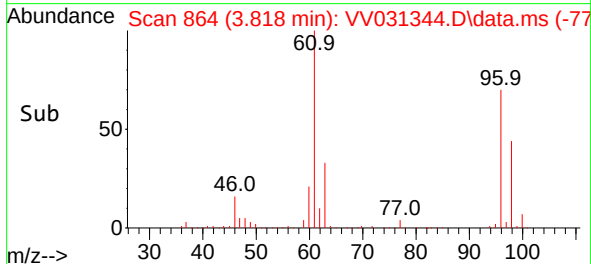
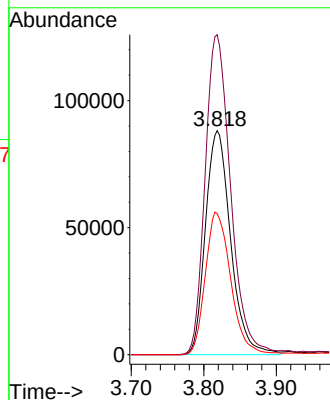
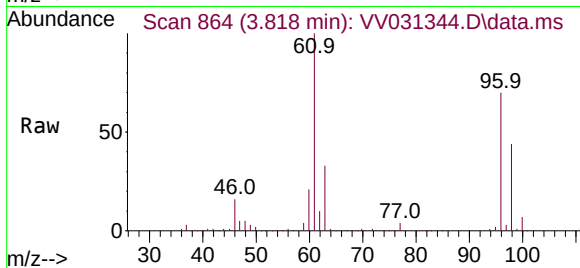


#22
 cis-1,2-Dichloroethene
 Concen: 17.581 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VV031344.D
 Acq: 05 Jun 2023 14:06

Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29

Tgt Ion: 96 Resp: 213089

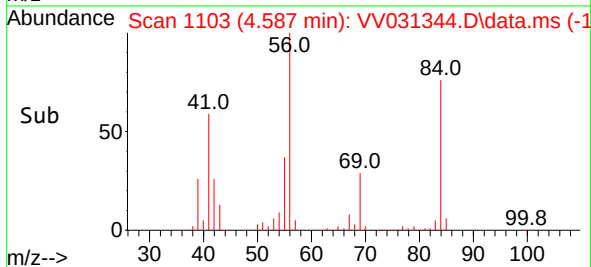
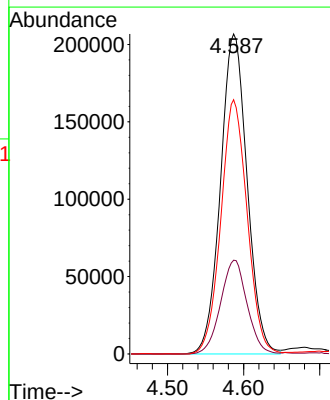
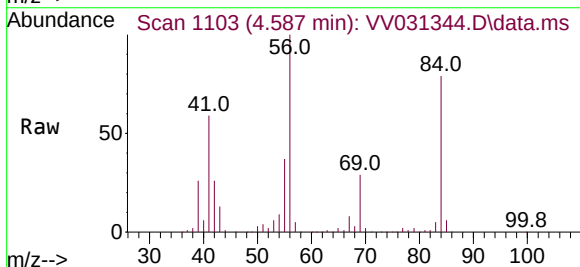
Ion	Ratio	Lower	Upper
96	100		
61	142.9	100.8	187.2
98	63.0	45.1	83.9

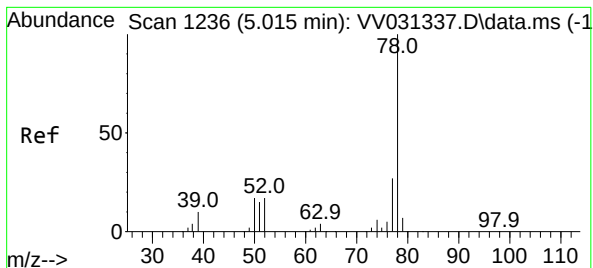


#30
 Cyclohexane
 Concen: 25.981 ug/L
 RT: 4.587 min Scan# 1103
 Delta R.T. -0.000 min
 Lab File: VV031344.D
 Acq: 05 Jun 2023 14:06

Tgt Ion: 56 Resp: 503018

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.2	34.8
84	78.5	58.5	87.7





#33

Benzene

Concen: 16.776 ug/L

RT: 5.011 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031344.D

Acq: 05 Jun 2023 14:06

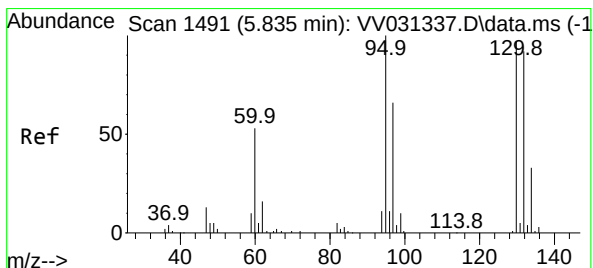
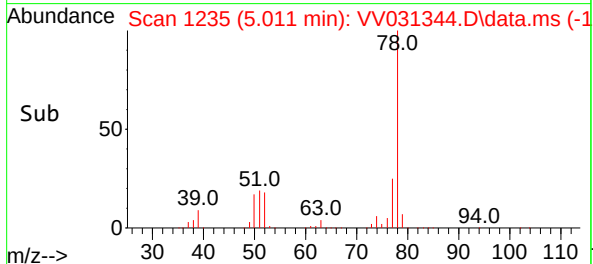
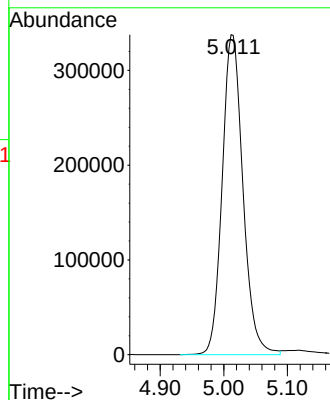
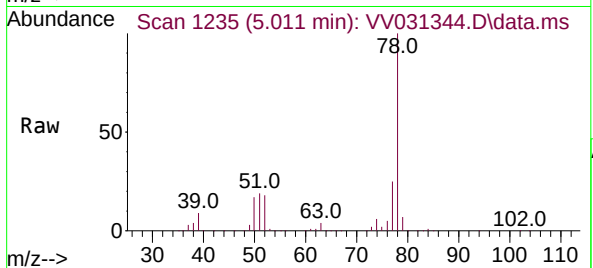
Instrument :

MSVOA_V

ClientSampleId :

F6C29

Tgt Ion: 78 Resp: 765759



#34

Trichloroethene

Concen: 28.500 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV031344.D

Acq: 05 Jun 2023 14:06

Tgt Ion: 95 Resp: 351337

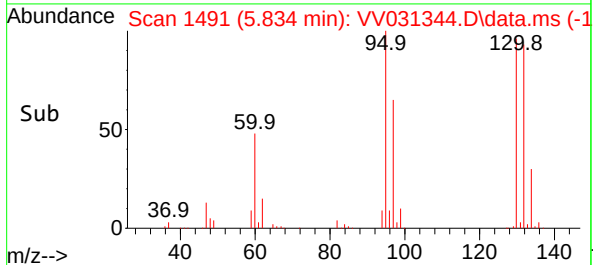
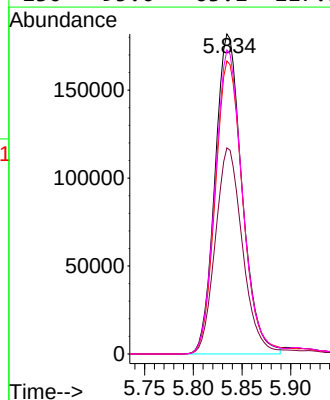
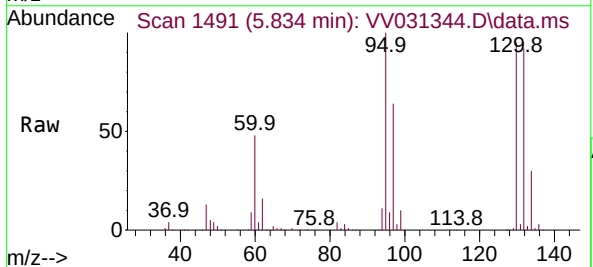
Ion Ratio Lower Upper

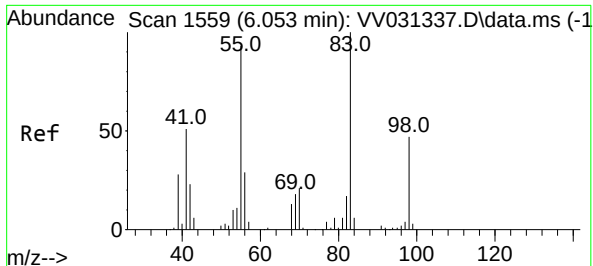
95 100

97 64.4 46.1 85.5

132 91.6 64.5 119.9

130 95.0 63.1 117.1

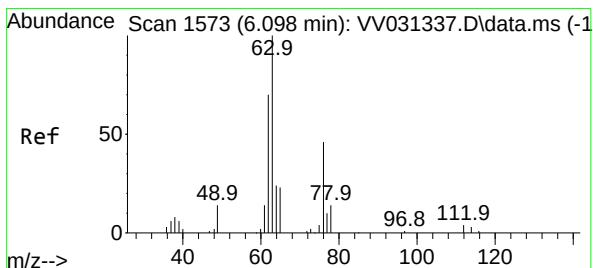
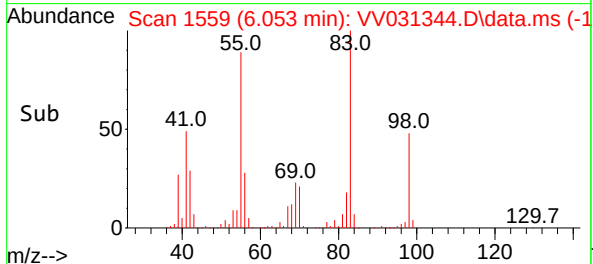
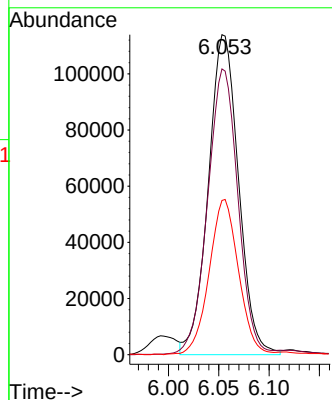
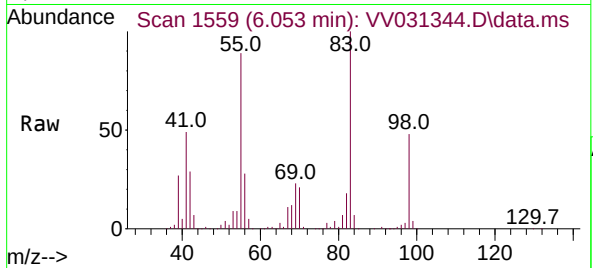




#35
Methylcyclohexane
Concen: 13.007 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

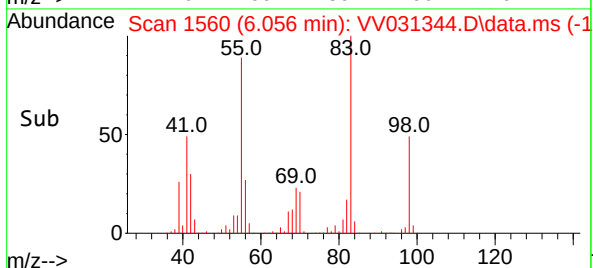
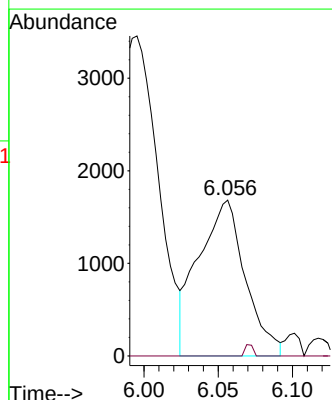
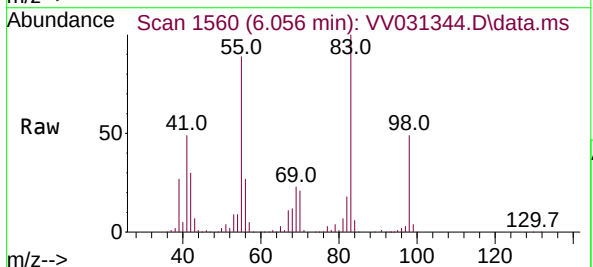
Instrument :
MSVOA_V
ClientSampleId :
F6C29

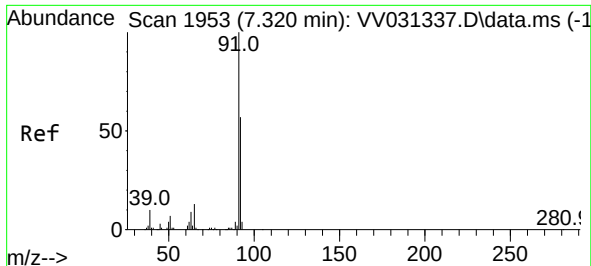
Tgt Ion: 83 Resp: 238702
Ion Ratio Lower Upper
83 100
55 89.2 74.6 112.0
98 47.1 36.5 54.7



#37
1,2-Dichloropropane
Concen: 0.275 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.042 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

Tgt Ion: 63 Resp: 3693
Ion Ratio Lower Upper
63 100
112 1.2 3.8 5.6#





#42

Toluene

Concen: 0.212 ug/L

RT: 7.326 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VV031344.D

Acq: 05 Jun 2023 14:06

Instrument :

MSVOA_V

ClientSampleId :

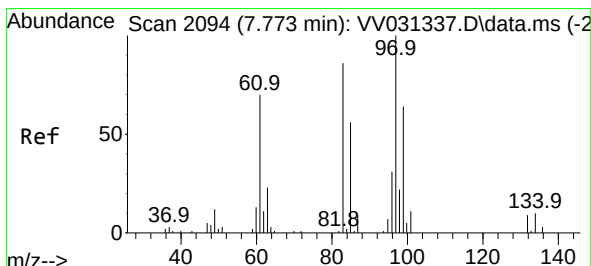
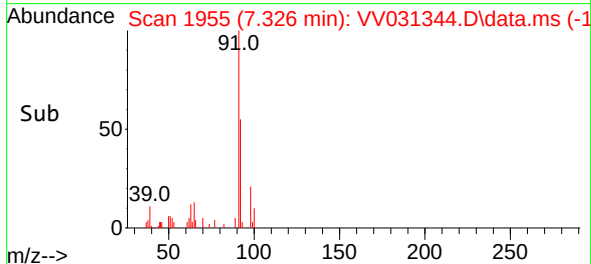
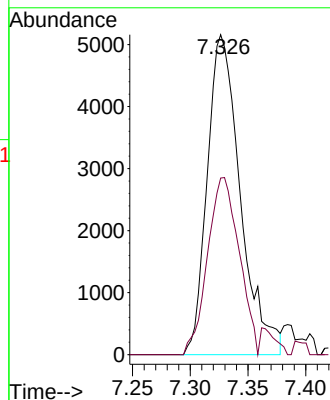
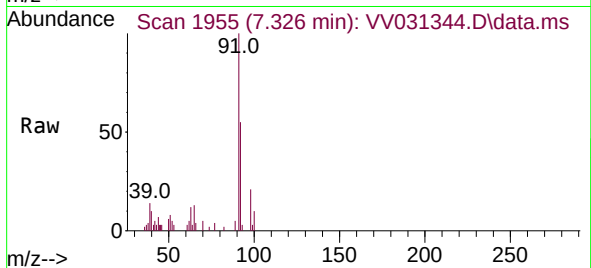
F6C29

Tgt Ion: 91 Resp: 10284

Ion Ratio Lower Upper

91 100

92 55.2 39.2 72.8



#45

1,1,2-Trichloroethane

Concen: 0.351 ug/L

RT: 7.722 min Scan# 2078

Delta R.T. -0.051 min

Lab File: VV031344.D

Acq: 05 Jun 2023 14:06

Tgt Ion: 97 Resp: 3198

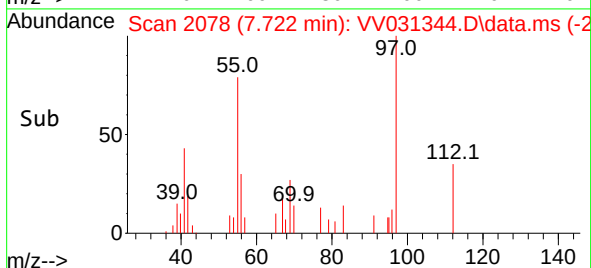
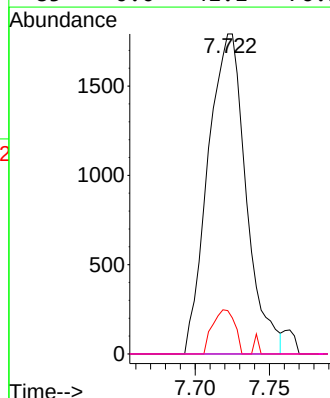
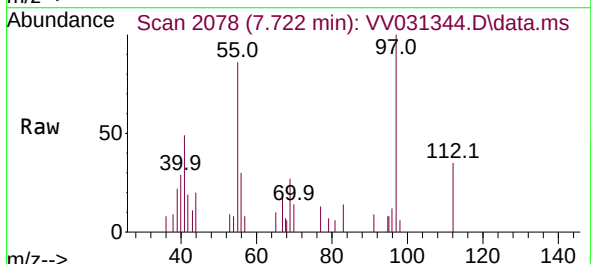
Ion Ratio Lower Upper

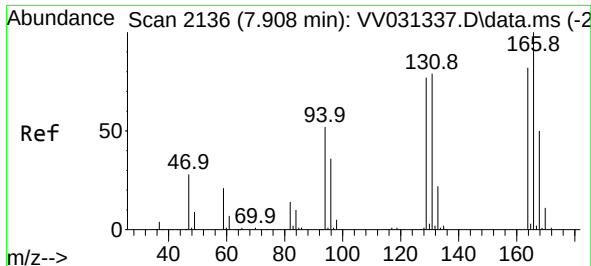
97 100

99 0.0 43.1 80.1#

83 13.6 63.1 117.1#

85 0.0 41.1 76.3#





#47

Tetrachloroethene

Concen: 6.939 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV031344.D

Acq: 05 Jun 2023 14:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29

Tgt Ion:164 Resp: 66660

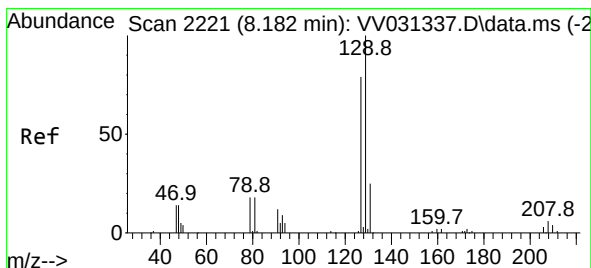
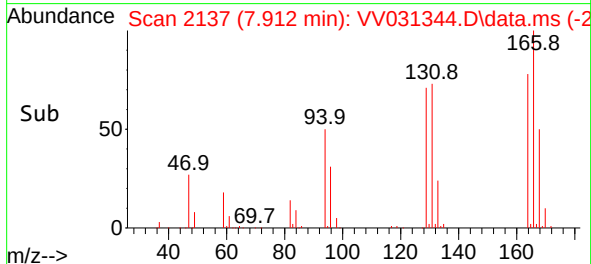
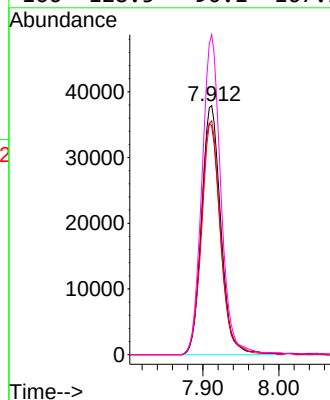
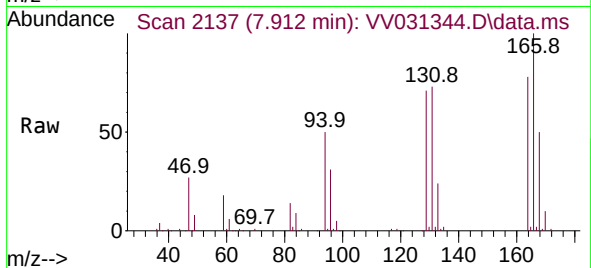
Ion Ratio Lower Upper

164 100

129 91.8 66.0 122.6

131 93.9 65.3 121.3

166 128.5 90.1 167.3



#49

Dibromochloromethane

Concen: 5.878 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.273 min

Lab File: VV031344.D

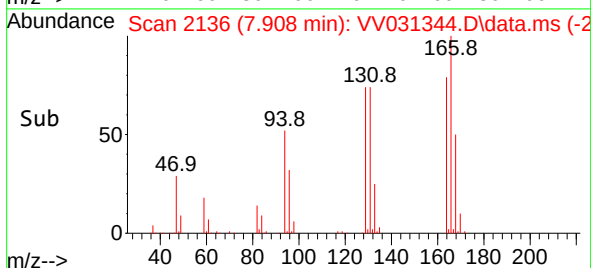
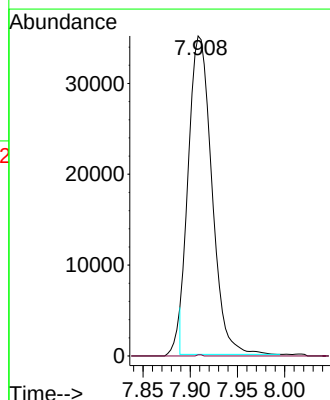
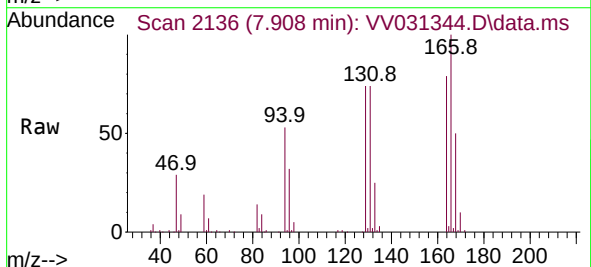
Acq: 05 Jun 2023 14:06

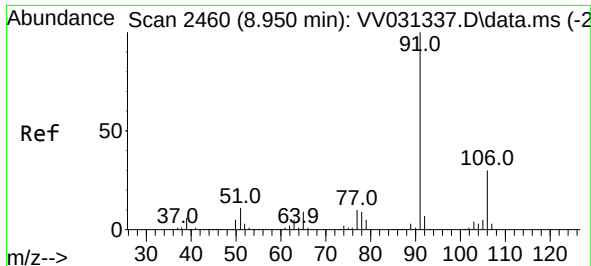
Tgt Ion:129 Resp: 59860

Ion Ratio Lower Upper

129 100

127 0.4 55.0 102.2#





#52

Ethylbenzene

Concen: 3.373 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV031344.D

Acq: 05 Jun 2023 14:06

Instrument :

MSVOA_V

ClientSampleId :

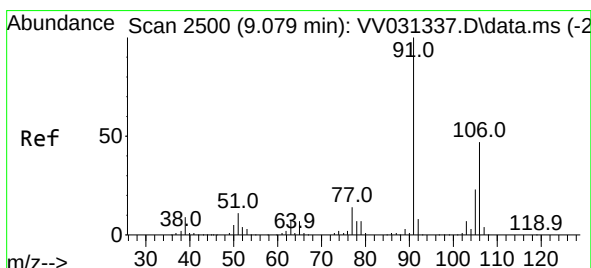
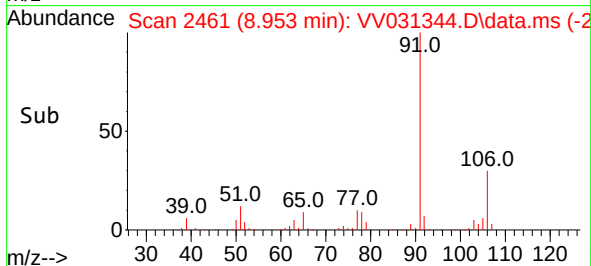
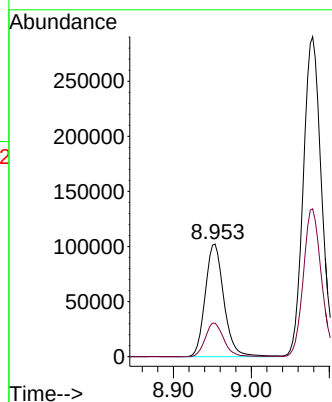
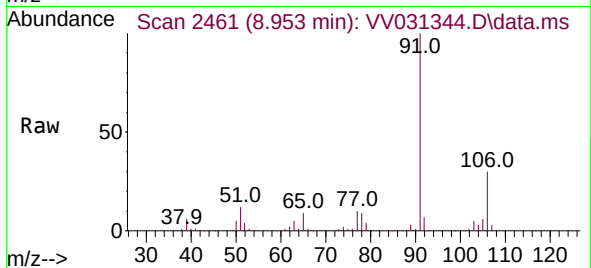
F6C29

Tgt Ion: 91 Resp: 170878

Ion Ratio Lower Upper

91 100

106 29.7 20.0 37.2



#53

m,p-Xylene

Concen: 12.069 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031344.D

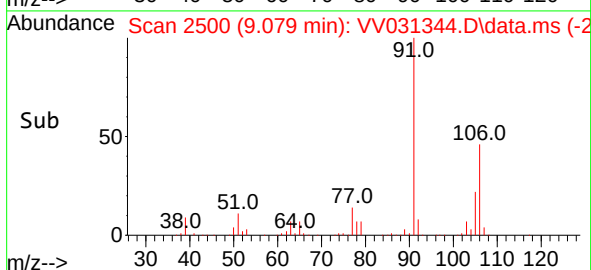
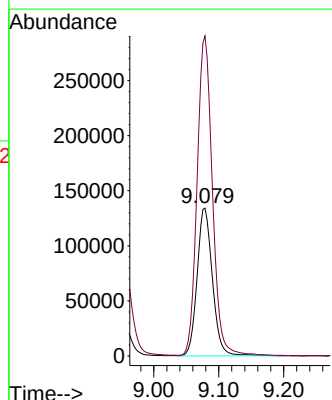
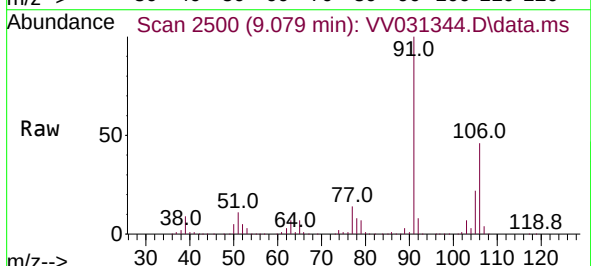
Acq: 05 Jun 2023 14:06

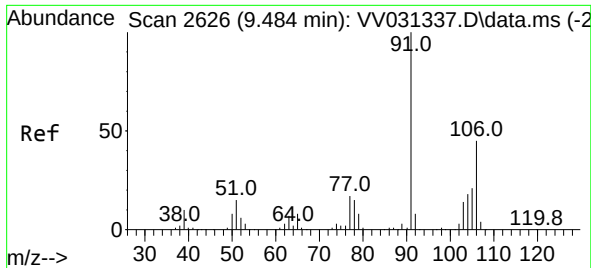
Tgt Ion:106 Resp: 219980

Ion Ratio Lower Upper

106 100

91 216.5 154.3 286.5

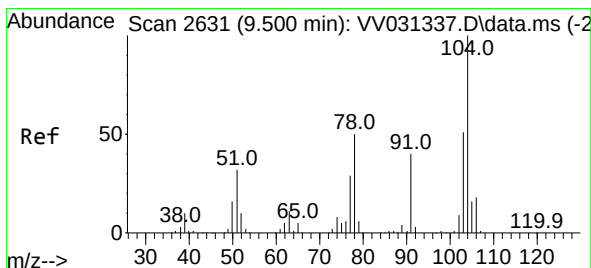
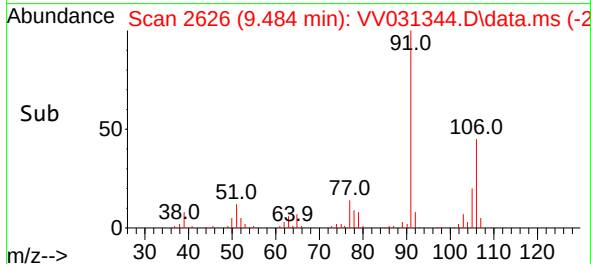
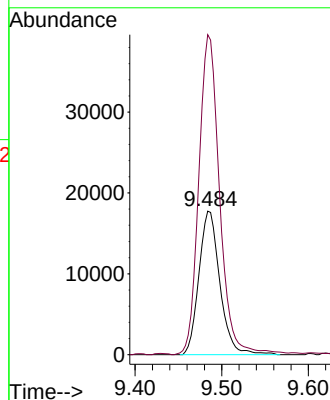
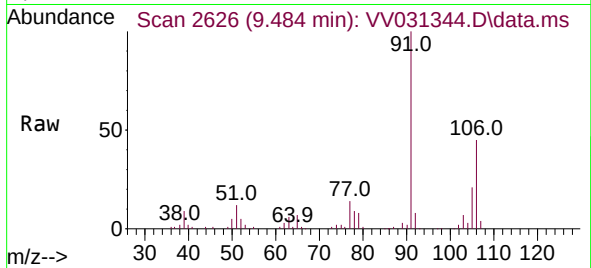




#54
o-Xylene
Concen: 1.747 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

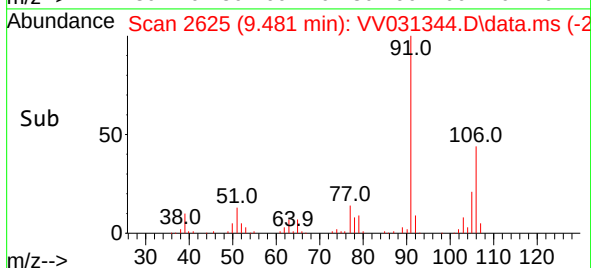
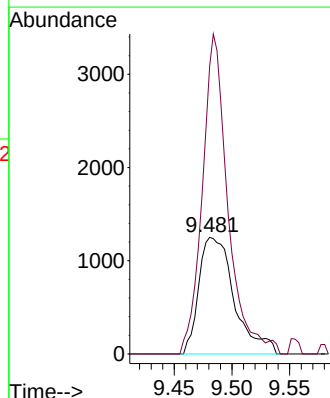
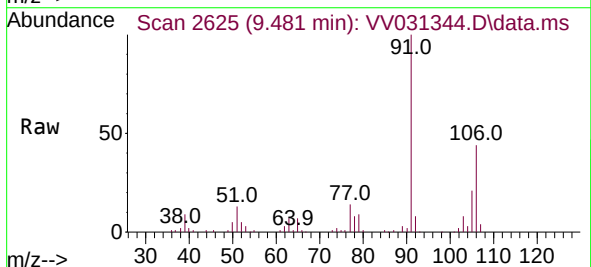
Instrument :
MSVOA_V
ClientSampleId :
F6C29

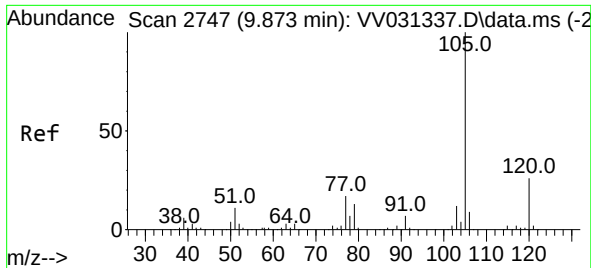
Tgt Ion:106 Resp: 29845
Ion Ratio Lower Upper
106 100
91 222.8 159.0 295.4



#55
Styrene
Concen: 0.088 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. -0.019 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

Tgt Ion:104 Resp: 2672
Ion Ratio Lower Upper
104 100
78 246.5 35.9 66.7#

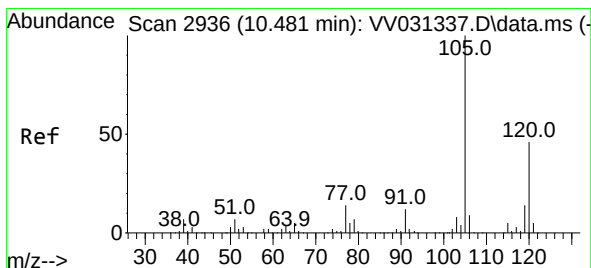
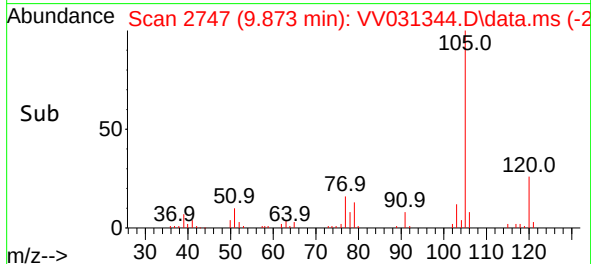
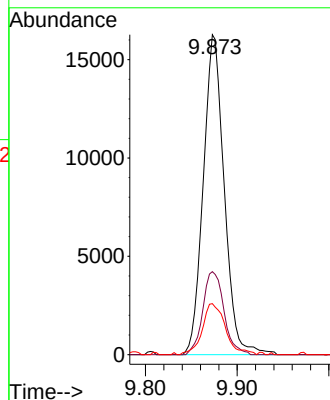
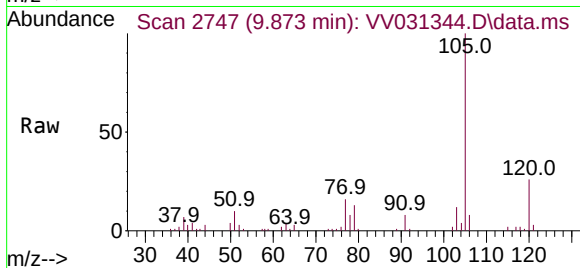




#60
Isopropylbenzene
Concen: 0.542 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

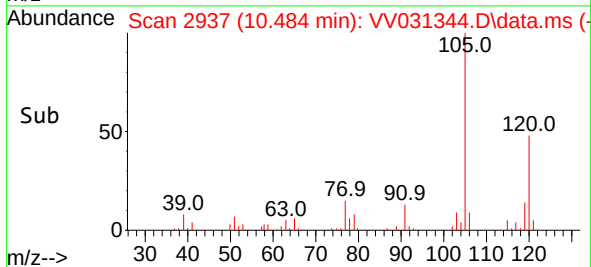
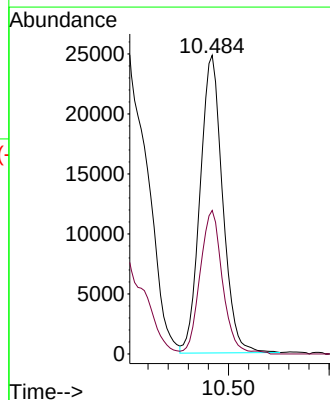
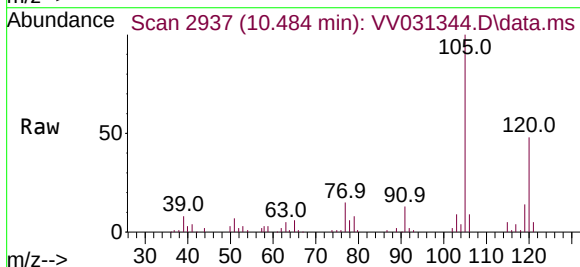
Instrument :
MSVOA_V
ClientSampleId :
F6C29

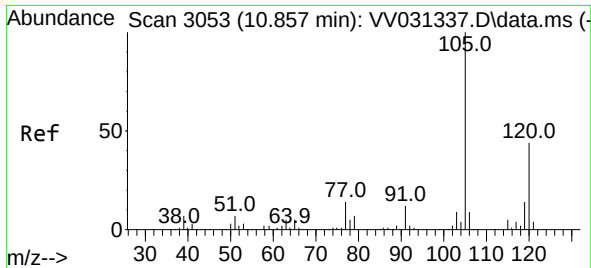
Tgt Ion:105 Resp: 25852
Ion Ratio Lower Upper
105 100
120 26.2 19.9 29.9
77 17.6 14.2 21.2



#62
1,3,5-Trimethylbenzene
Concen: 0.997 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

Tgt Ion:105 Resp: 38517
Ion Ratio Lower Upper
105 100
120 48.2 35.9 53.9

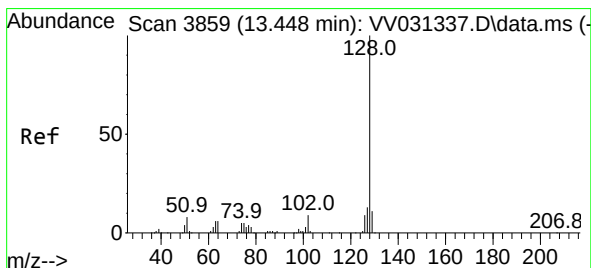
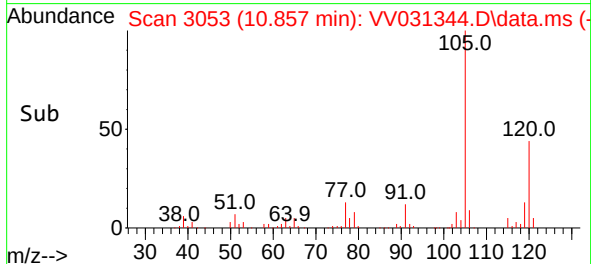
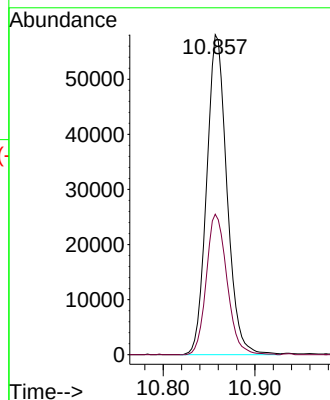
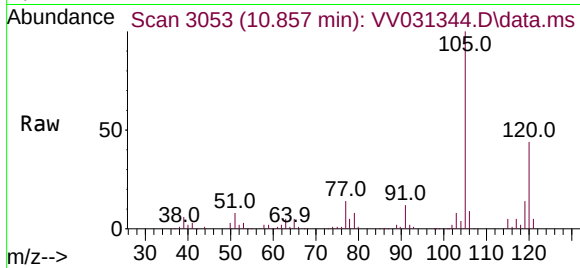




#63
1,2,4-Trimethylbenzene
Concen: 2.240 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

Instrument :
MSVOA_V
ClientSampleId :
F6C29

Tgt Ion:105 Resp: 89286
Ion Ratio Lower Upper
105 100
120 44.8 33.2 49.8



#71
Naphthalene
Concen: 0.314 ug/L
RT: 13.452 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV031344.D
Acq: 05 Jun 2023 14:06

Tgt Ion:128 Resp: 6619
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 12.4 11.4 17.2

