

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020924\
 Data File : VW034114.D
 Acq On : 09 Feb 2024 16:03
 Operator : SY/MD
 Sample : P1384-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 09 23:15:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 09 22:58:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	73546	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	71916	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	37687	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	26610	4.672	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.532	69	23227	4.656	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.056	65	12771	4.649	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.000%
20) 2-Butanone-d5	3.825	46	37294	38.985	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.980%
24) Chloroform-d	4.252	84	47359	4.576	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	4.947	65	23991	4.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	4.963	84	91466	4.239	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
36) 1,2-Dichloropropane-d6	5.992	67	26728	4.432	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.246	98	85953	4.334	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	7.561	79	10834	4.757	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.030	63	40492	49.806	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.620%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	17887	4.892	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	11.561	152	30811	4.495	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	1813	0.269	ug/L	93
5) Vinyl chloride	1.282	62	3116	0.444	ug/L	99
8) Chloroethane	1.548	64	5580	1.164	ug/L	98
13) Acetone	2.140	43	13446	18.527	ug/L #	1
14) Carbon disulfide	2.240	76	2542	0.153	ug/L	96
15) Methyl Acetate	2.429	43	822	0.479	ug/L #	53
17) Methyl tert-butyl Ether	2.709	73	1669	0.158	ug/L #	1
19) 1,1-Dichloroethane	3.111	63	5431	0.565	ug/L	97
22) cis-1,2-Dichloroethene	3.815	96	15473	2.606	ug/L	100
27) 1,2-Dichloroethane	5.008	62	3636	0.653	ug/L #	76
30) Cyclohexane	4.580	56	2766	0.295	ug/L #	94
33) Benzene	5.011	78	282923	13.117	ug/L	100
34) Trichloroethene	5.844	95	2628	0.421	ug/L	97
35) Methylcyclohexane	6.047	83	4935	0.504	ug/L	88
37) 1,2-Dichloropropane	5.992	63	3501	0.670	ug/L	99
40) 4-Methyl-2-pentanone	7.178	43	2802	1.120	ug/L #	83
42) Toluene	7.320	91	35848	1.555	ug/L	95
44) trans-1,3-Dichloropropene	7.564	75	554	0.091	ug/L #	78
51) Chlorobenzene	8.815	112	25886	1.776	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 09 22:58:56 2024
Response via : Initial Calibration

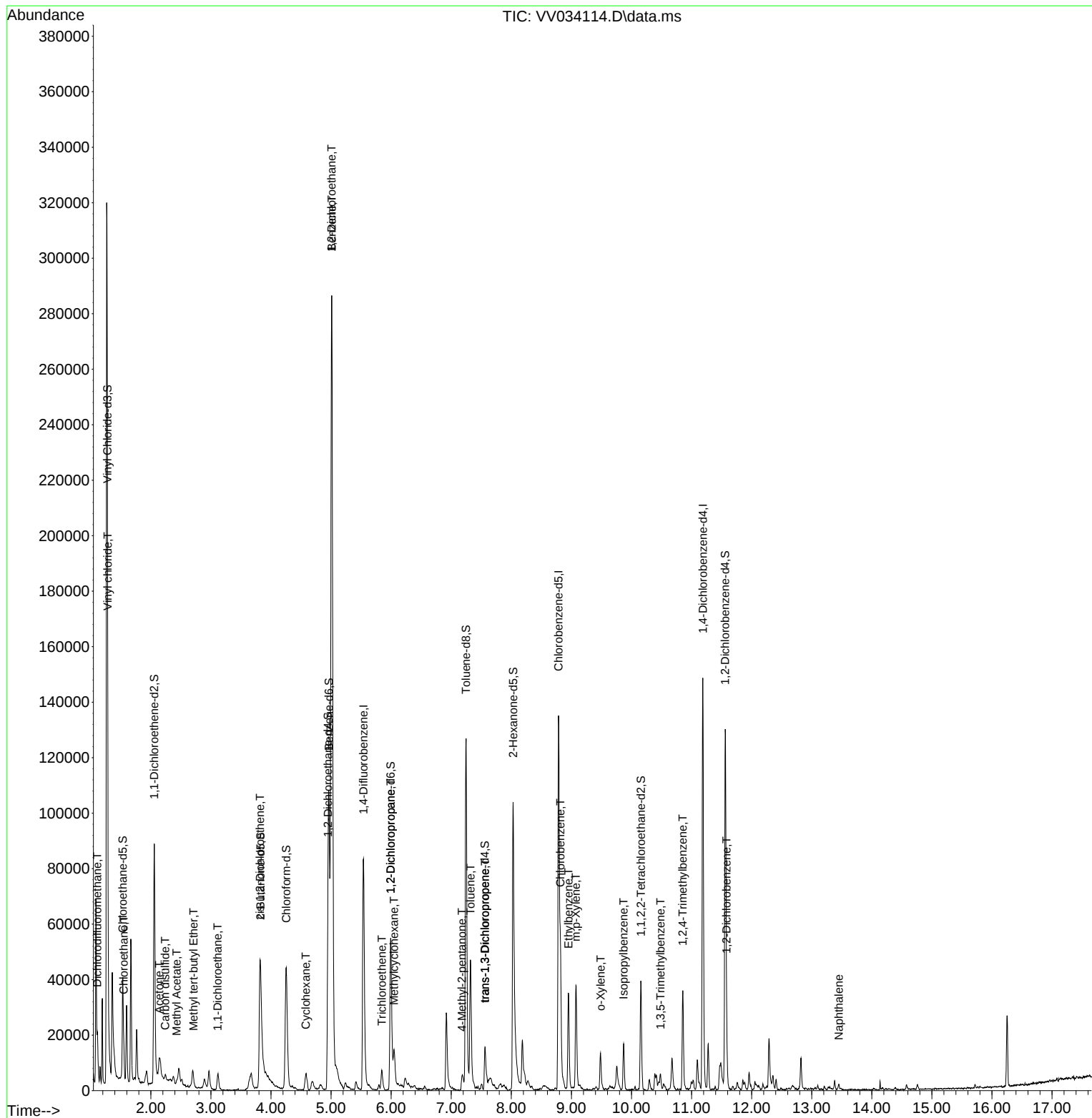
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	8.950	91	25917	0.977	ug/L	99
53) m,p-Xylene	9.075	106	10523	1.049	ug/L	95
54) o-Xylene	9.487	106	3591	0.371	ug/L	86
60) Isopropylbenzene	9.870	105	10917	0.391	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	3034	0.129	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	19798	0.864	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	4019	0.385	ug/L	98
71) Naphthalene	13.451	128	2182	0.227	ug/L #	94

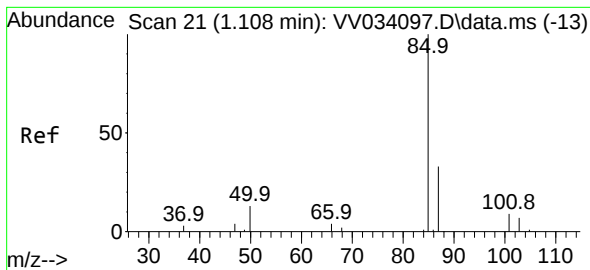
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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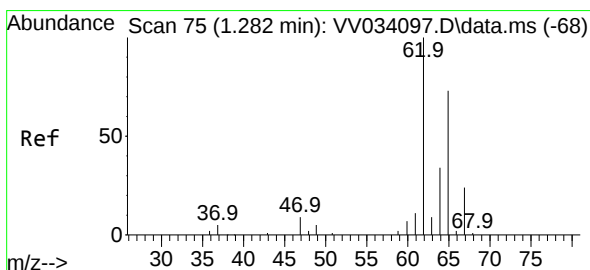
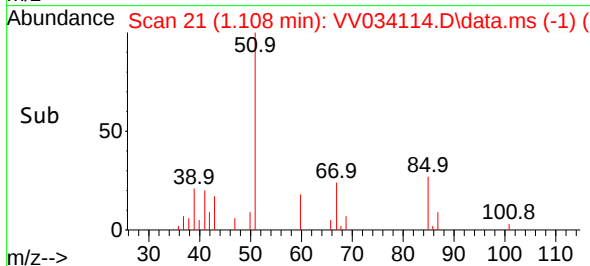
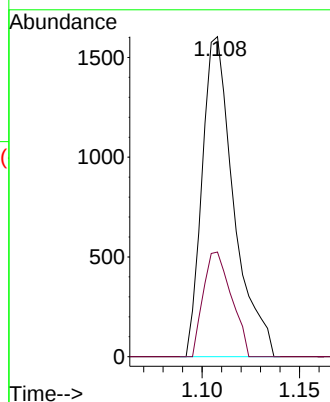
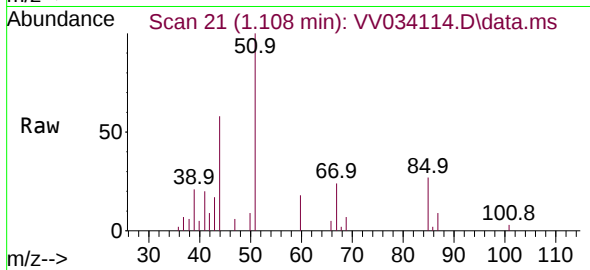




#2
 Dichlorodifluoromethane
 Concen: 0.269 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV034114.D
 Acq: 09 Feb 2024 16:03

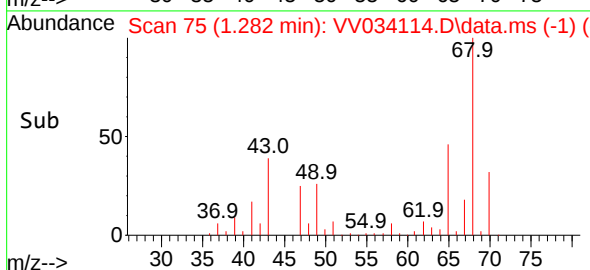
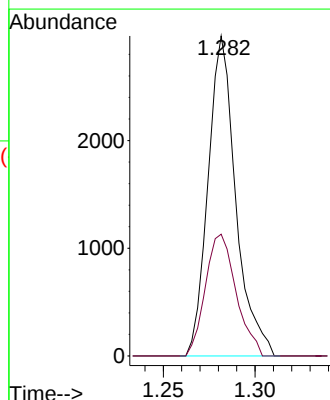
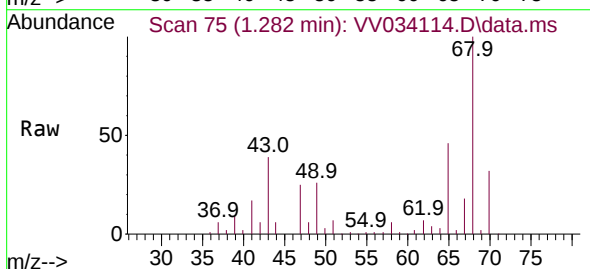
Instrument :
 MSVOA_V
 ClientSampleId :

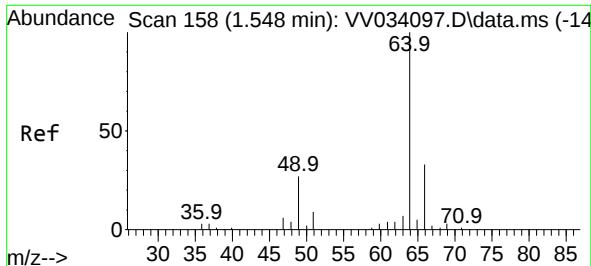
Tgt Ion: 85 Resp: 1813
 Ion Ratio Lower Upper
 85 100
 87 29.1 26.2 39.4



#5
 Vinyl chloride
 Concen: 0.444 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV034114.D
 Acq: 09 Feb 2024 16:03

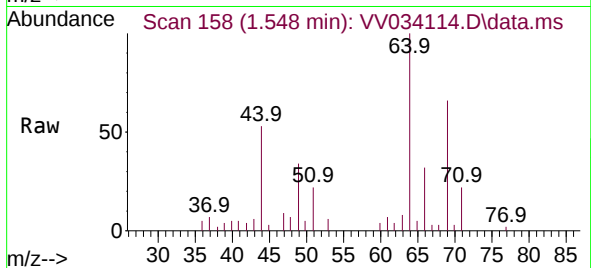
Tgt Ion: 62 Resp: 3116
 Ion Ratio Lower Upper
 62 100
 64 38.0 27.2 50.4



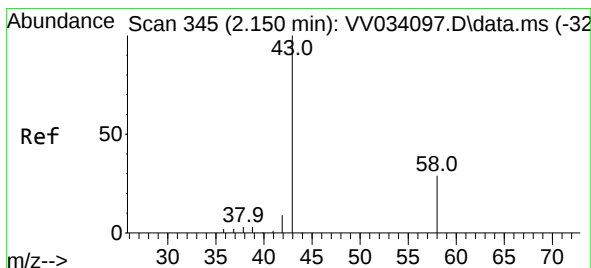
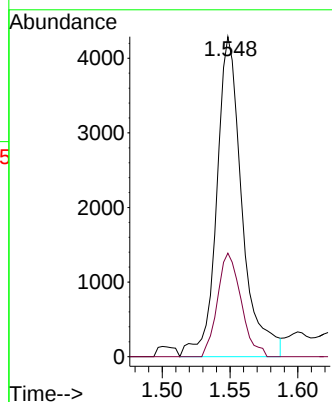
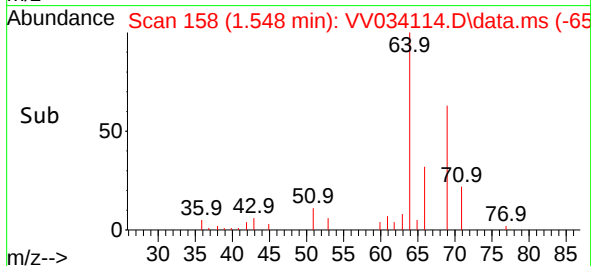


#8
Chloroethane
Concen: 1.164 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Instrument :
MSVOA_V
ClientSampleId :

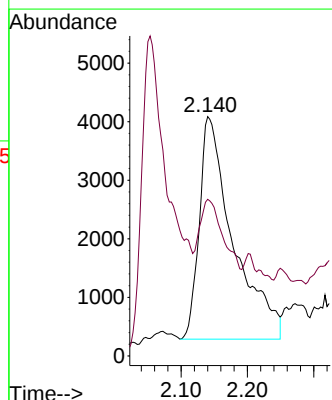
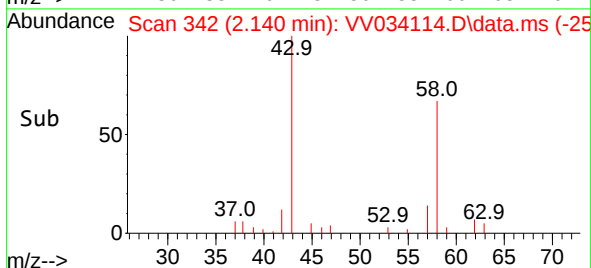
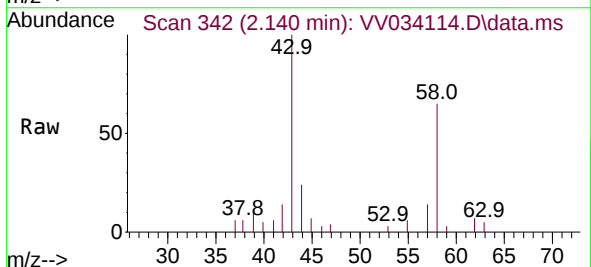


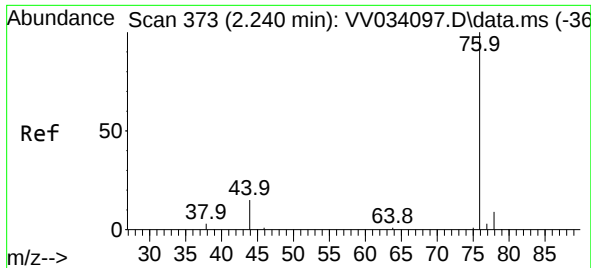
Tgt Ion: 64 Resp: 5580
Ion Ratio Lower Upper
64 100
66 32.4 22.0 41.0



#13
Acetone
Concen: 18.527 ug/L
RT: 2.140 min Scan# 342
Delta R.T. -0.010 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

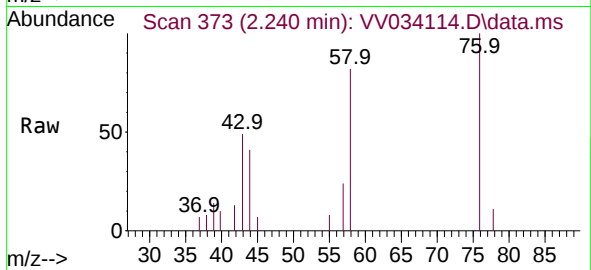
Tgt Ion: 43 Resp: 13446
Ion Ratio Lower Upper
43 100
58 46.0 0.0 13.8#



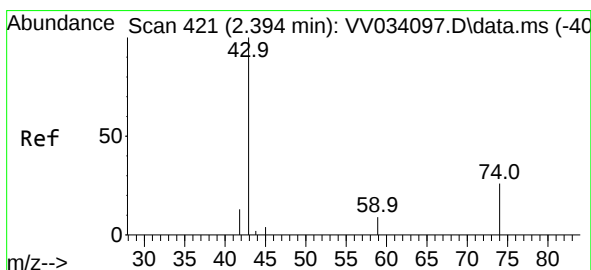
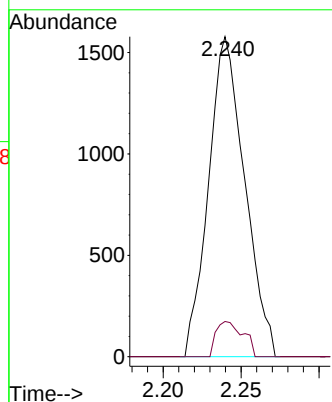
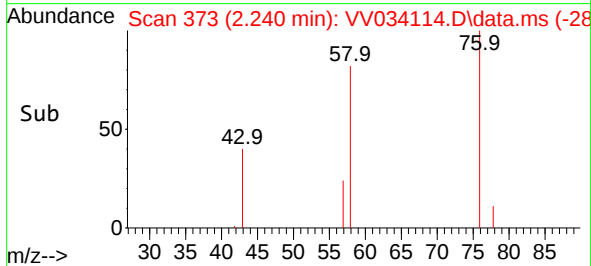


#14
Carbon disulfide
Concen: 0.153 ug/L
RT: 2.240 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Instrument :
MSVOA_V
ClientSampleId :

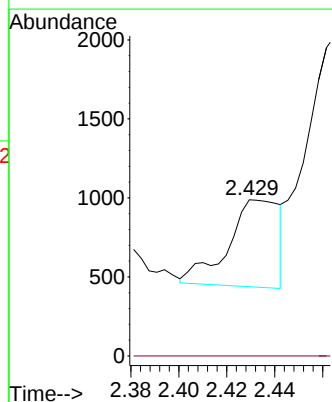
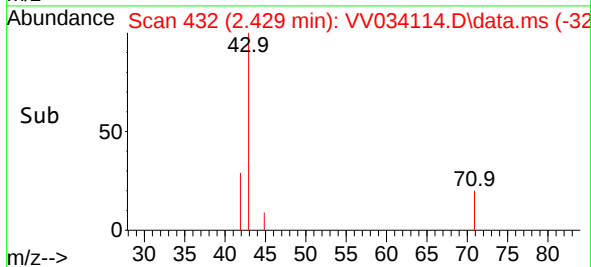
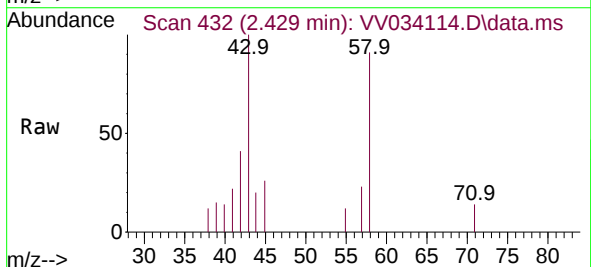


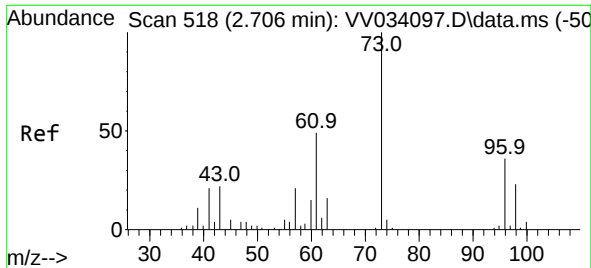
Tgt Ion: 76 Resp: 2542
Ion Ratio Lower Upper
76 100
78 11.0 7.5 11.3



#15
Methyl Acetate
Concen: 0.479 ug/L
RT: 2.429 min Scan# 432
Delta R.T. 0.035 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4#





#17

Methyl tert-butyl Ether

Concen: 0.158 ug/L

RT: 2.709 min Scan# 518

Delta R.T. 0.003 min

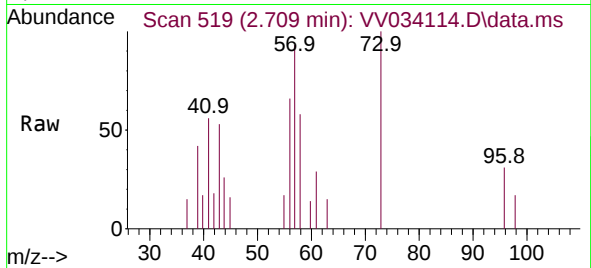
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Acq: 09 Feb 2024 16:03

Instrument :

MSVOA_V

ClientSampleId :



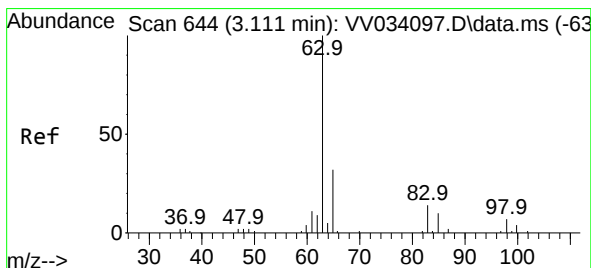
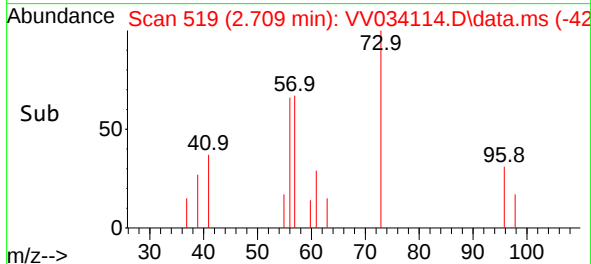
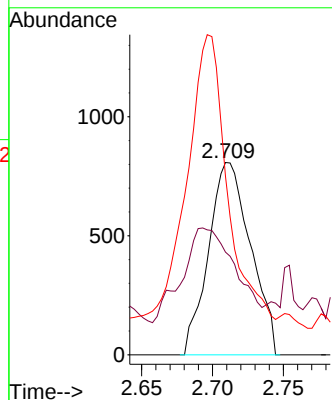
Tgt Ion: 73 Resp: 1669

Ion Ratio Lower Upper

73 100

43 61.6 17.7 26.5#

57 144.2 17.9 26.9#



#19

1,1-Dichloroethane

Concen: 0.565 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV034114.D

Acq: 09 Feb 2024 16:03

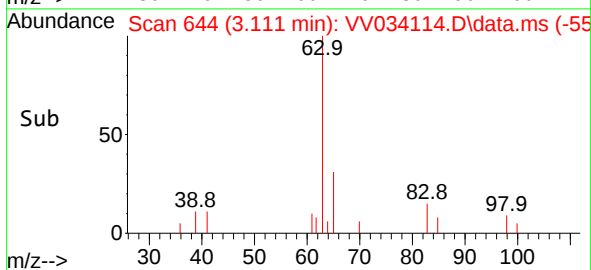
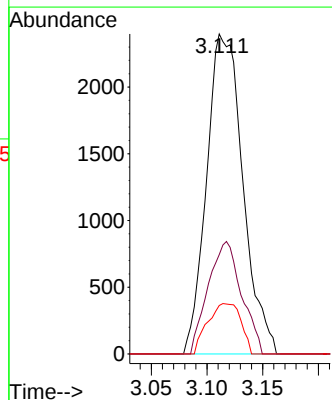
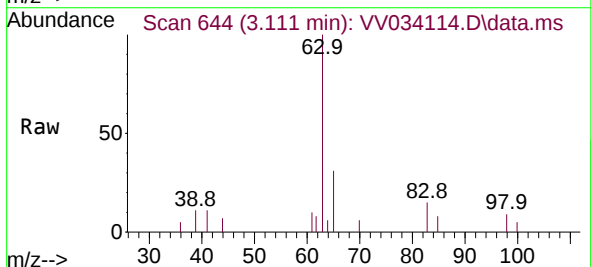
Tgt Ion: 63 Resp: 5431

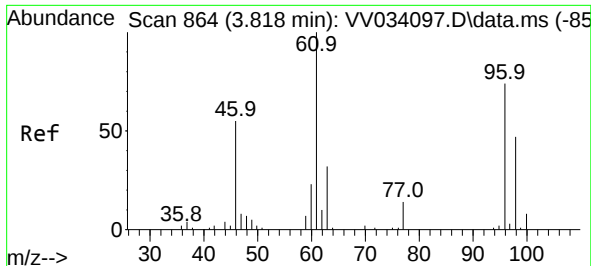
Ion Ratio Lower Upper

63 100

65 31.1 20.8 38.6

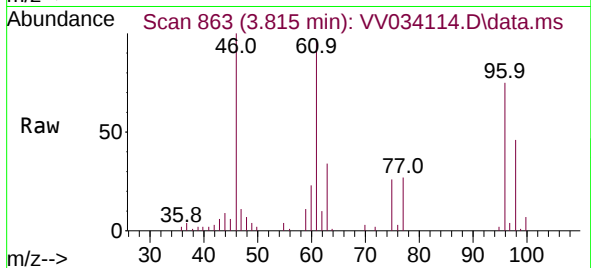
83 15.1 9.4 17.4



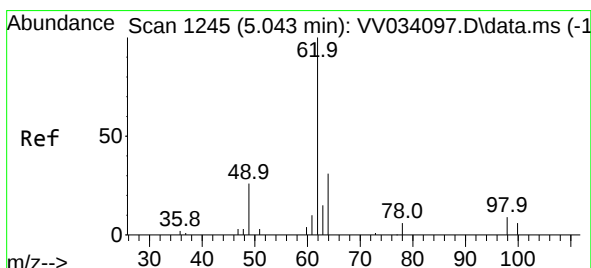
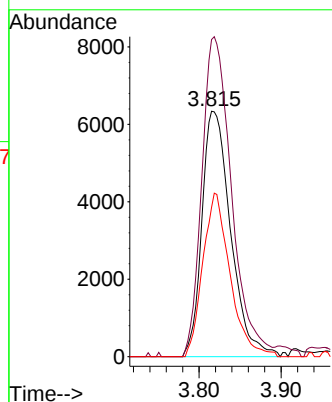
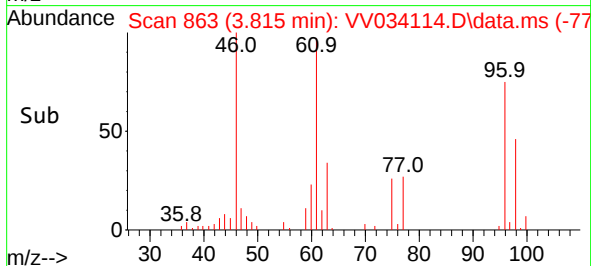


#22
cis-1,2-Dichloroethene
Concen: 2.606 ug/L
RT: 3.815 min Scan# 80
Delta R.T. -0.003 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Instrument :
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ClientSampleId :

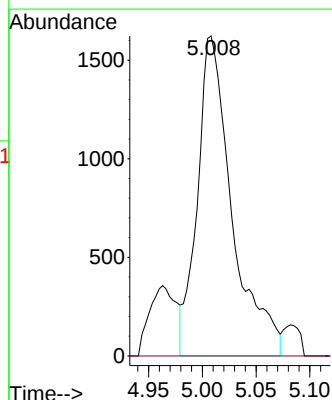
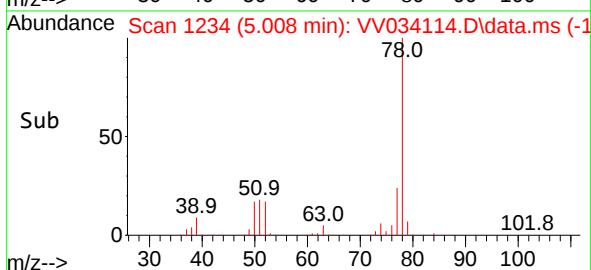
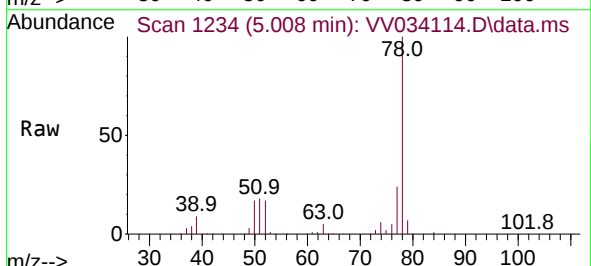


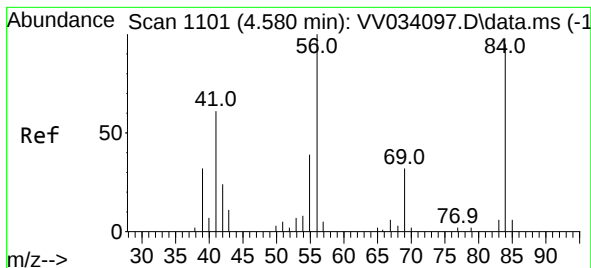
Tgt Ion: 96 Resp: 15473
Ion Ratio Lower Upper
96 100
61 129.2 90.3 167.7
98 60.8 43.2 80.2



#27
1,2-Dichloroethane
Concen: 0.653 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.035 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Tgt Ion: 62 Resp: 3636
Ion Ratio Lower Upper
62 100
98 0.0 6.9 10.3#





#30

Cyclohexane

Concen: 0.295 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VV034114.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA_V

ClientSampleId :

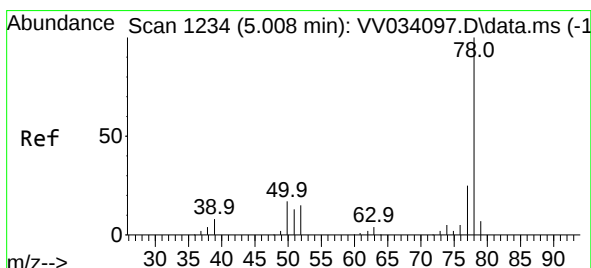
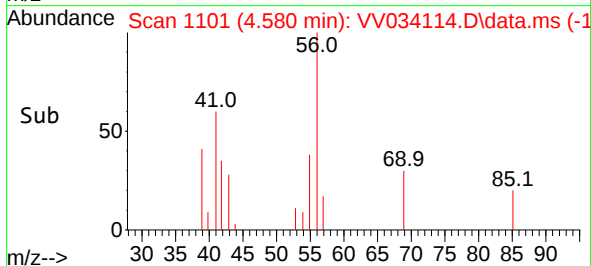
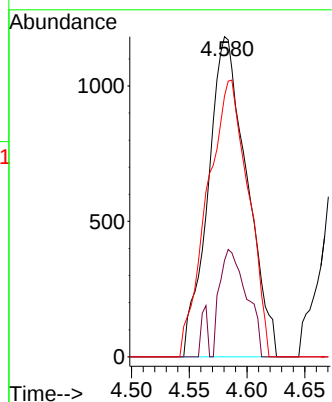
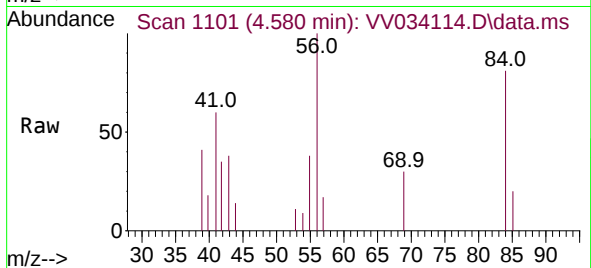
Tgt Ion: 56 Resp: 2766

Ion Ratio Lower Upper

56 100

69 23.1 24.2 36.2#

84 91.3 70.0 105.0



#33

Benzene

Concen: 13.117 ug/L

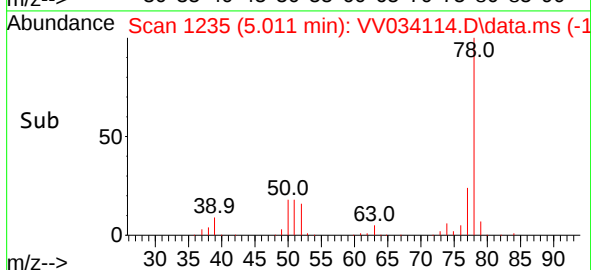
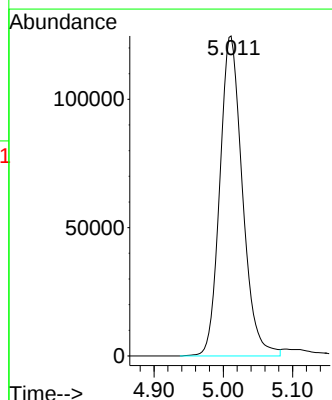
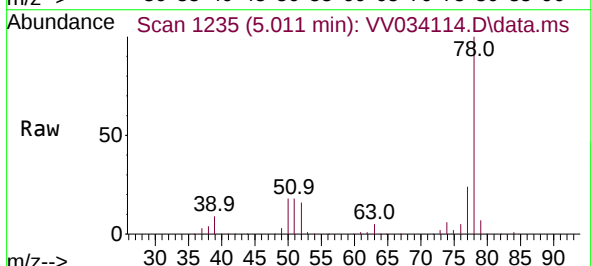
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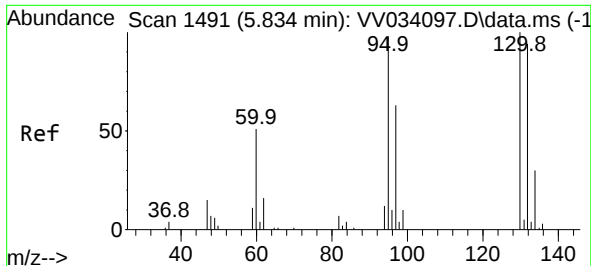
Delta R.T. 0.003 min

Lab File: VV034114.D

Acq: 09 Feb 2024 16:03

Tgt Ion: 78 Resp: 282923



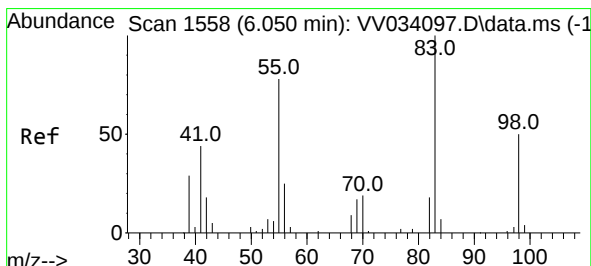
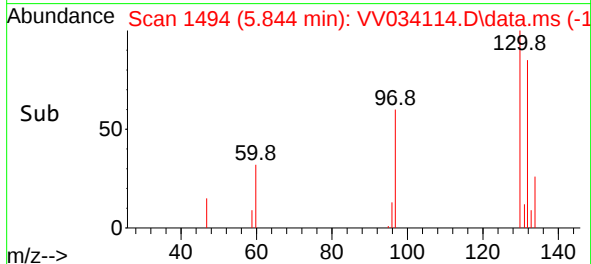
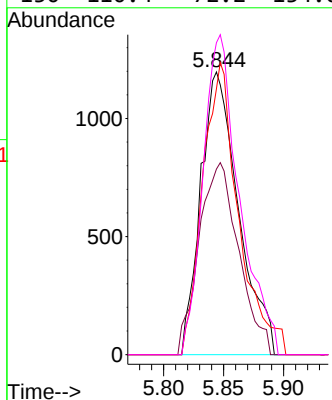
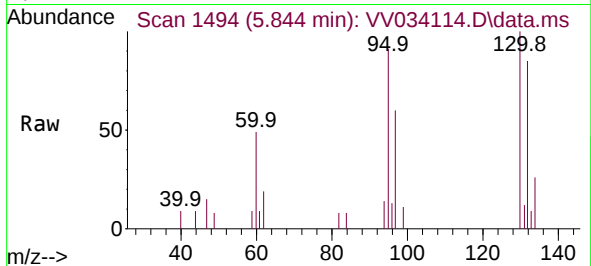


#34
Trichloroethene
Concen: 0.421 ug/L
RT: 5.844 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 2628

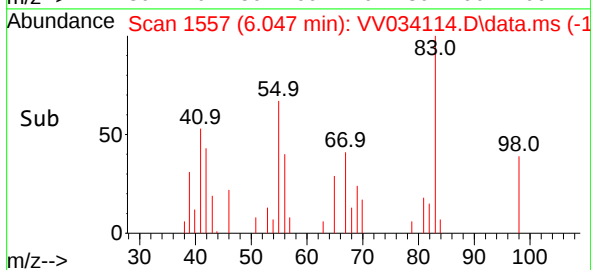
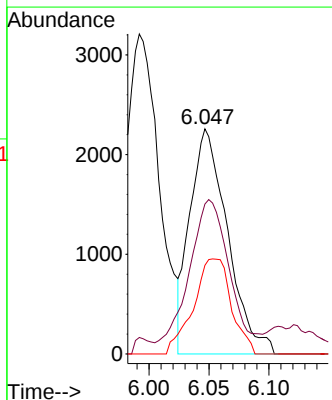
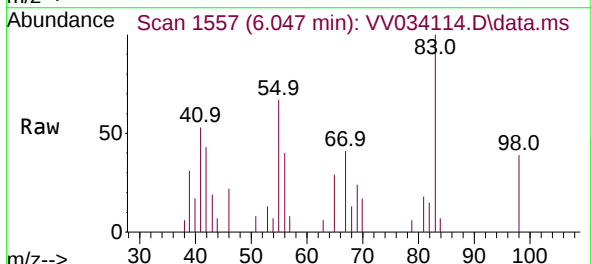
Ion	Ratio	Lower	Upper
95	100		
97	65.7	45.1	83.7
132	94.1	66.0	122.6
130	110.4	72.2	134.0

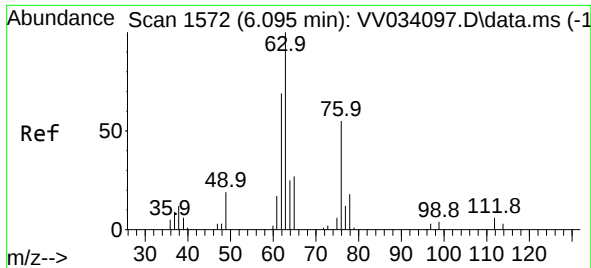


#35
Methylcyclohexane
Concen: 0.504 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. -0.003 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Tgt Ion: 83 Resp: 4935

Ion	Ratio	Lower	Upper
83	100		
55	67.5	63.5	95.3
98	42.5	39.0	58.4

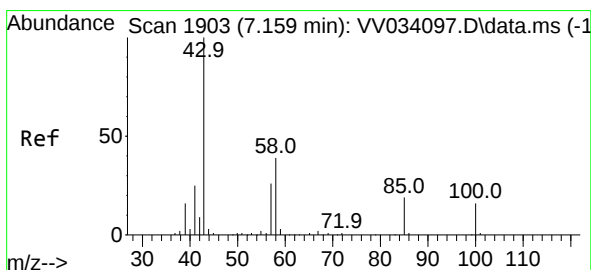
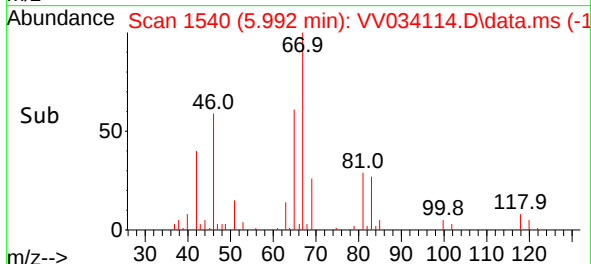
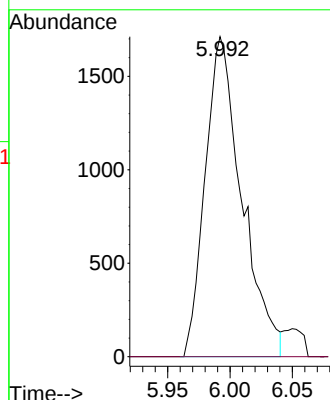
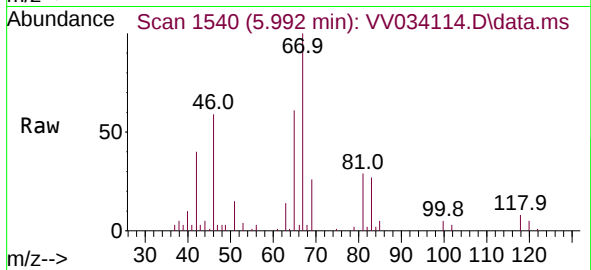




#37
1,2-Dichloropropane
Concen: 0.670 ug/L
RT: 5.992 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

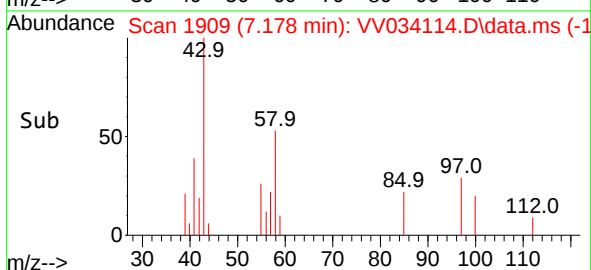
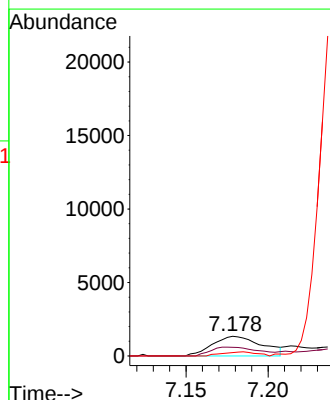
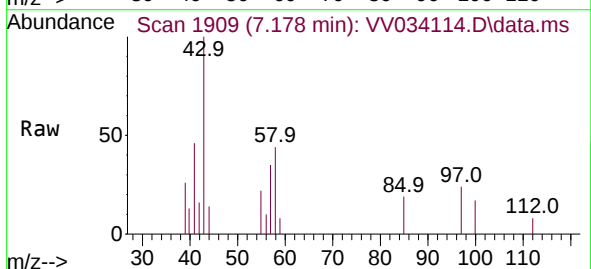
Instrument :
MSVOA_V
ClientSampleId :

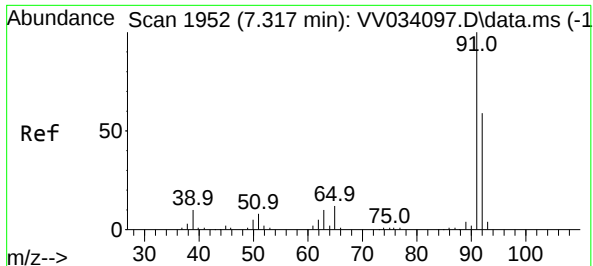
Tgt Ion: 63 Resp: 3501
Ion Ratio Lower Upper
63 100
112 3.9 3.4 5.0



#40
4-Methyl-2-pentanone
Concen: 1.120 ug/L
RT: 7.178 min Scan# 1909
Delta R.T. 0.019 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Tgt Ion: 43 Resp: 2802
Ion Ratio Lower Upper
43 100
58 43.2 30.2 45.2
100 0.0 12.1 18.1#





#42

Toluene

Concen: 1.555 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV034114.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA_V

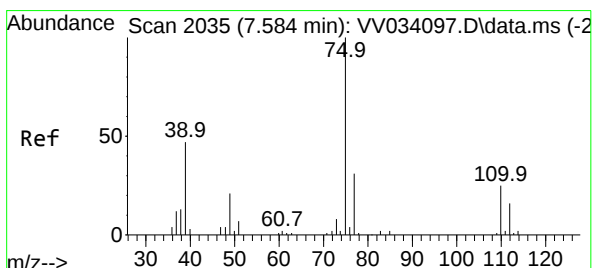
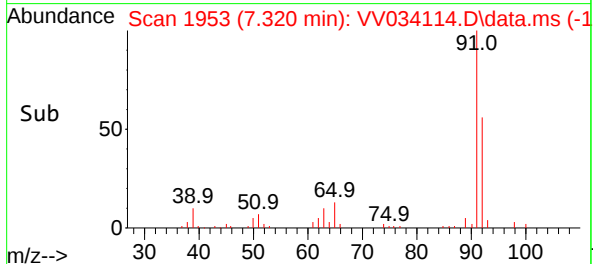
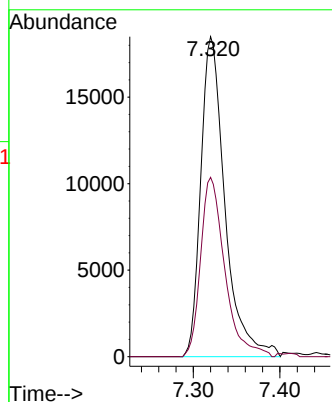
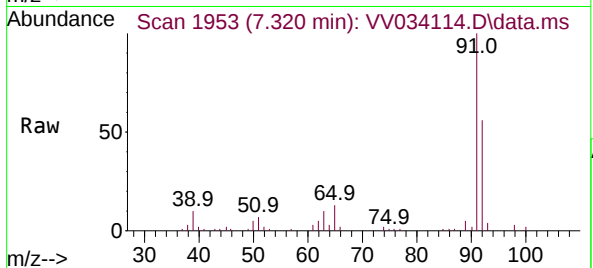
ClientSampleId :

Tgt Ion: 91 Resp: 35848

Ion Ratio Lower Upper

91 100

92 56.0 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.564 min Scan# 2029

Delta R.T. -0.019 min

Lab File: VV034114.D

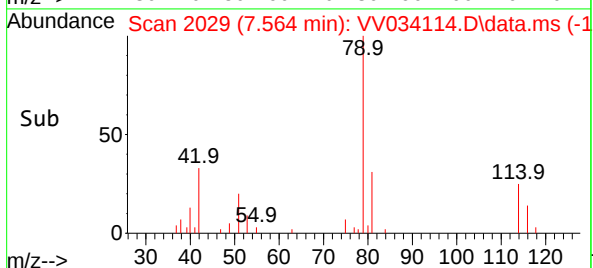
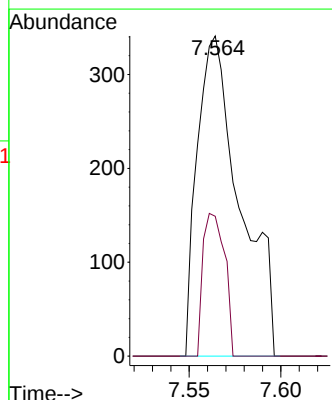
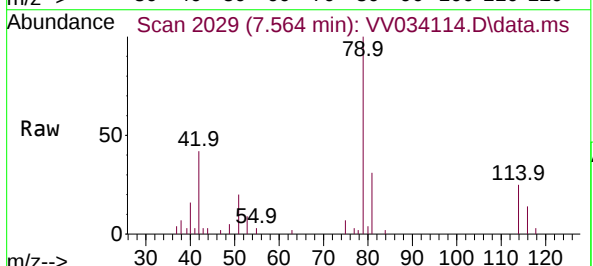
Acq: 09 Feb 2024 16:03

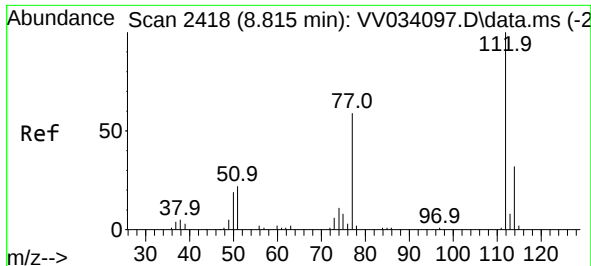
Tgt Ion: 75 Resp: 554

Ion Ratio Lower Upper

75 100

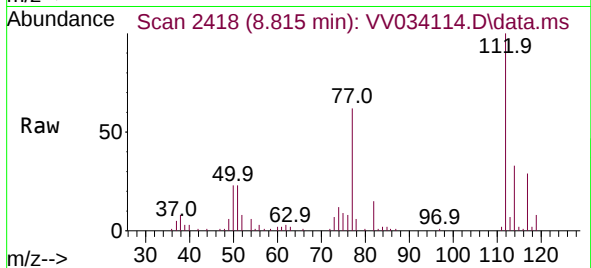
77 43.7 22.2 41.2#



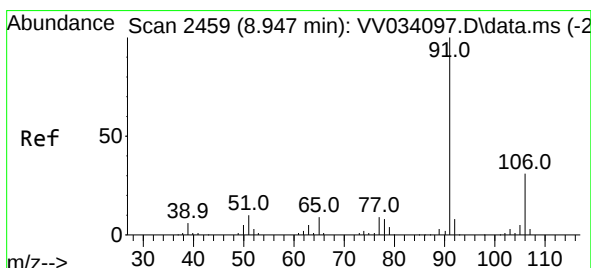
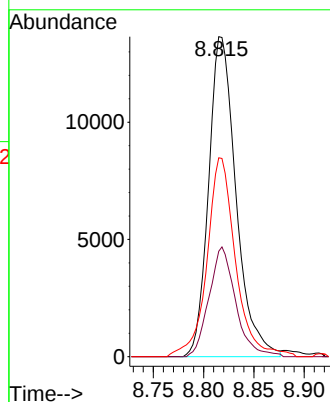
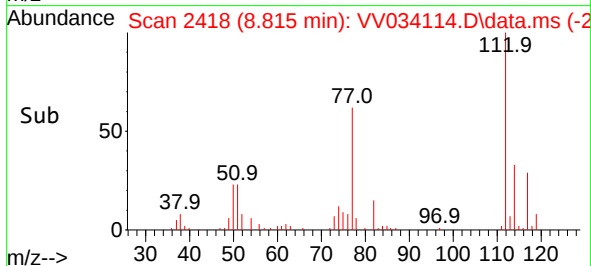


#51
Chlorobenzene
Concen: 1.776 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. -0.000 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Instrument :
MSVOA_V
ClientSampleId :

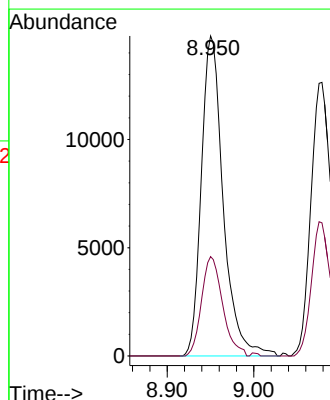
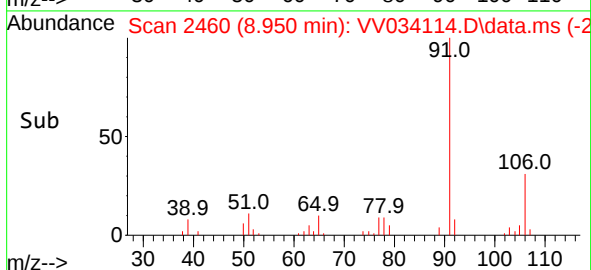
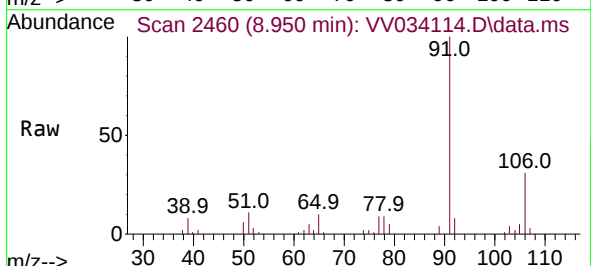


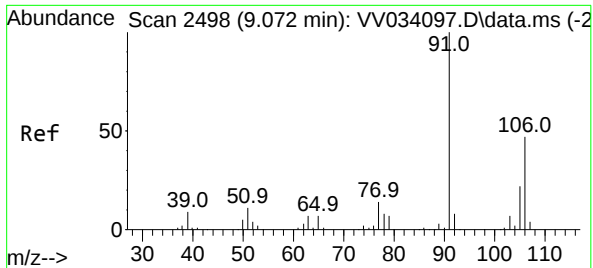
Tgt Ion:112 Resp: 25886
Ion Ratio Lower Upper
112 100
114 33.0 22.5 41.7
77 62.1 48.1 72.1



#52
Ethylbenzene
Concen: 0.977 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Tgt Ion: 91 Resp: 25917
Ion Ratio Lower Upper
91 100
106 31.1 21.4 39.8

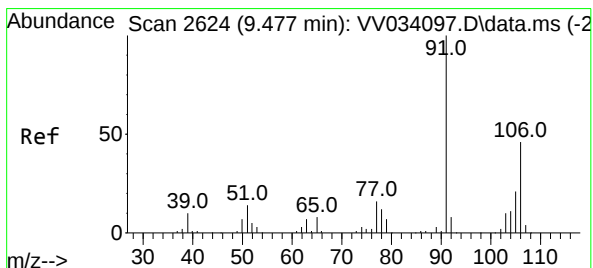
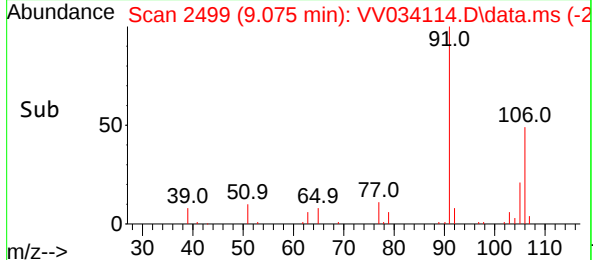
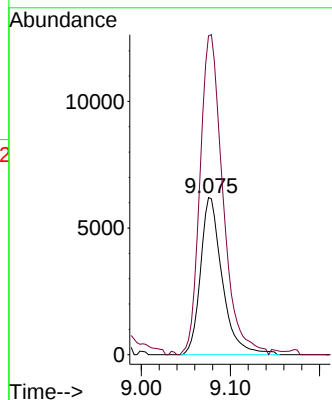
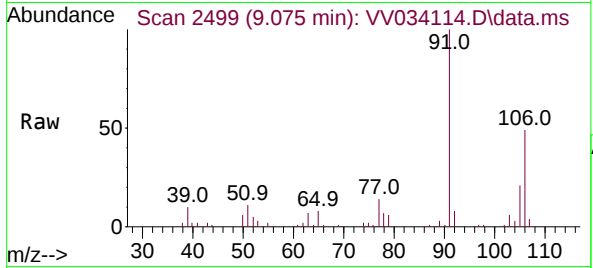




#53
m,p-Xylene
Concen: 1.049 ug/L
RT: 9.075 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

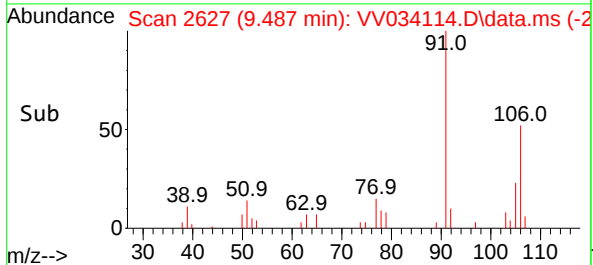
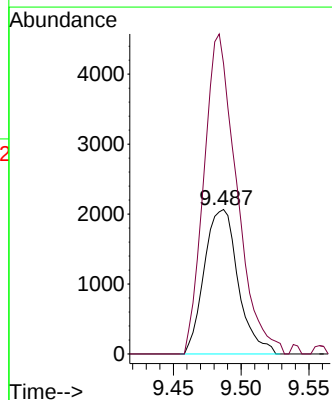
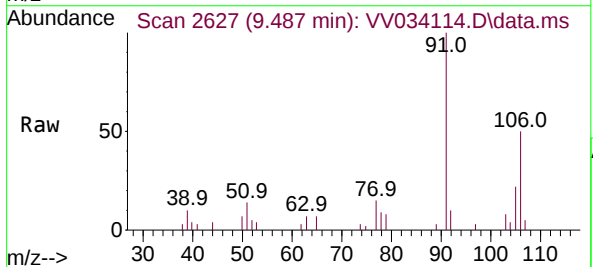
Instrument :
MSVOA_V
ClientSampleId :

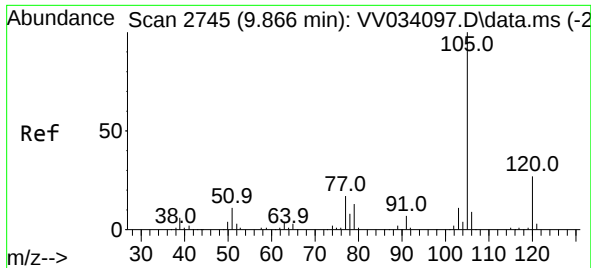
Tgt Ion:106 Resp: 10523
Ion Ratio Lower Upper
106 100
91 203.0 147.5 273.9



#54
o-Xylene
Concen: 0.371 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.010 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Tgt Ion:106 Resp: 3591
Ion Ratio Lower Upper
106 100
91 201.0 156.2 290.0

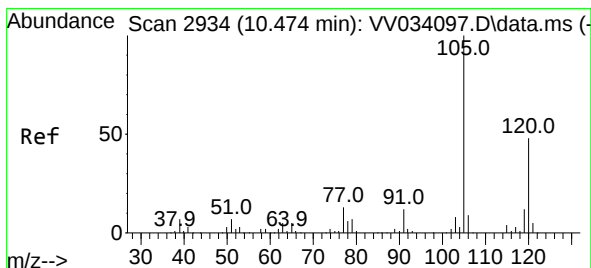
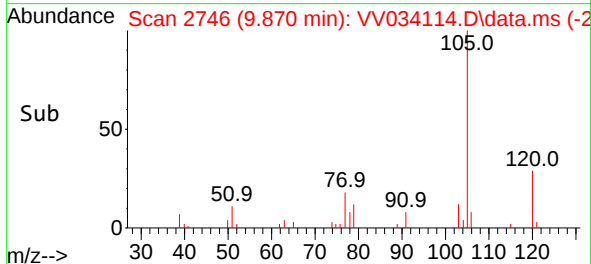
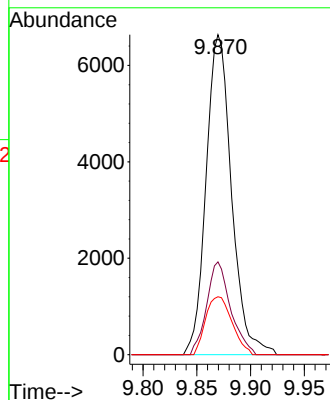
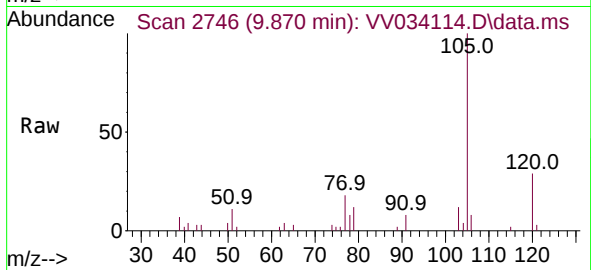




#60
Isopropylbenzene
Concen: 0.391 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

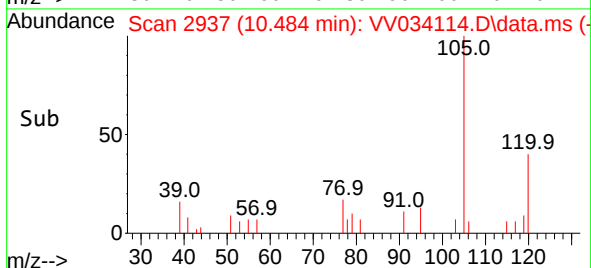
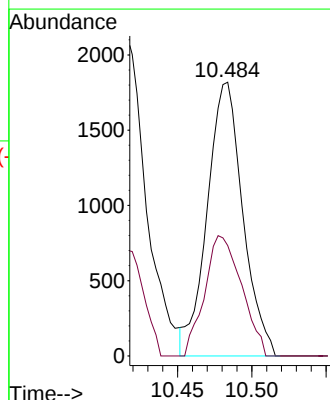
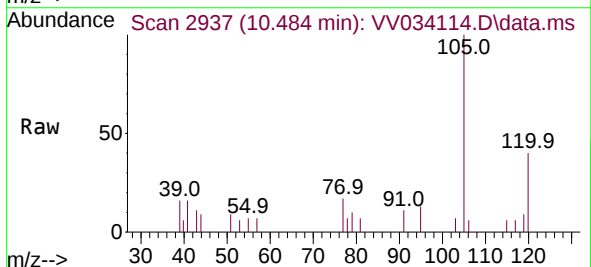
Instrument :
MSVOA_V
ClientSampleId :

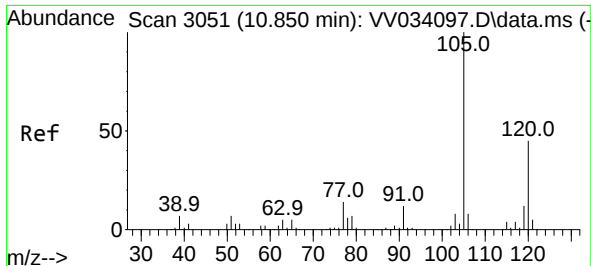
Tgt Ion:105 Resp: 10917
Ion Ratio Lower Upper
105 100
120 27.3 20.7 31.1
77 18.8 13.0 19.6



#62
1,3,5-Trimethylbenzene
Concen: 0.129 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.010 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Tgt Ion:105 Resp: 3034
Ion Ratio Lower Upper
105 100
120 45.5 38.2 57.4

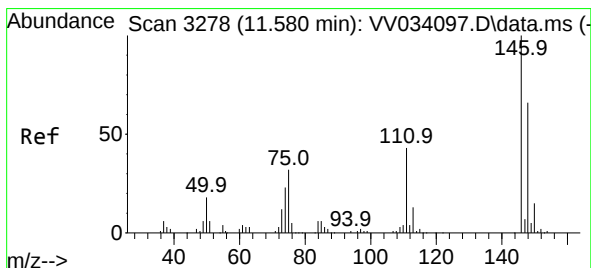
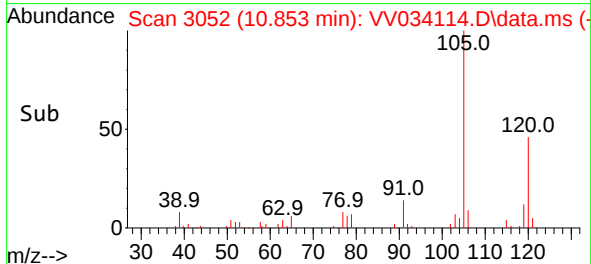
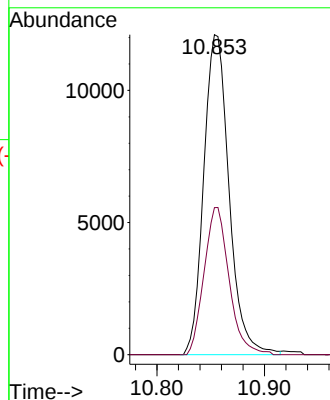
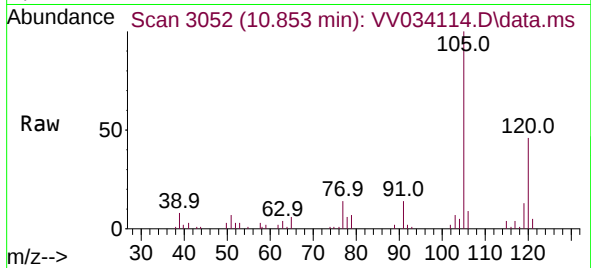




#63
1,2,4-Trimethylbenzene
Concen: 0.864 ug/L
RT: 10.853 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

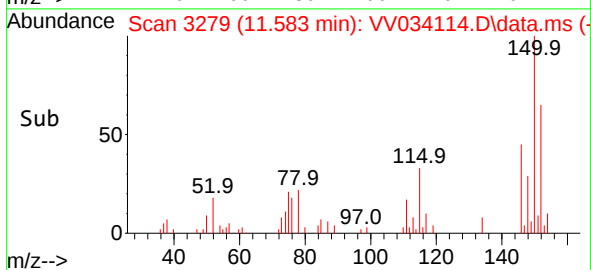
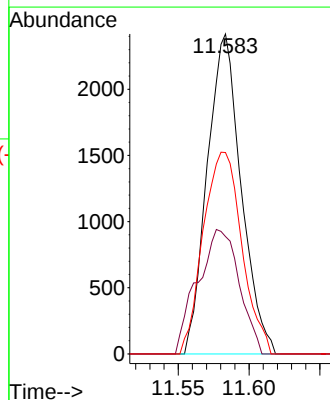
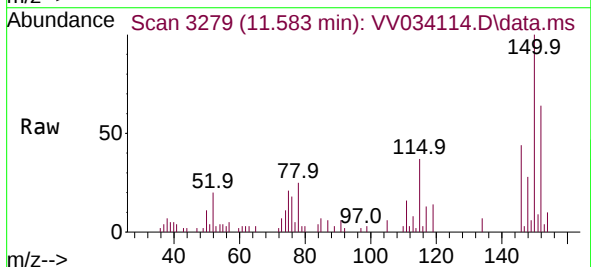
Instrument :
MSVOA_V
ClientSampleId :

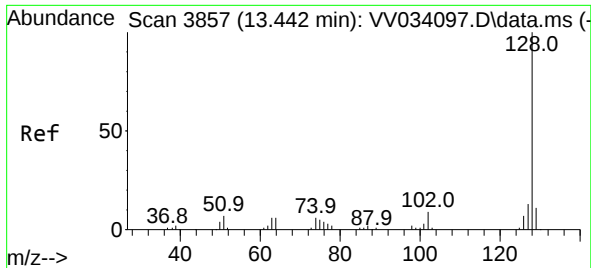
Tgt Ion:105 Resp: 19798
Ion Ratio Lower Upper
105 100
120 45.5 36.2 54.2



#67
1,2-Dichlorobenzene
Concen: 0.385 ug/L
RT: 11.583 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

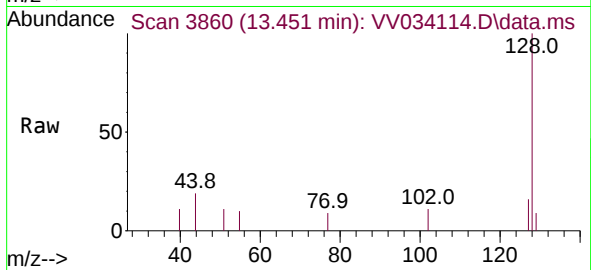
Tgt Ion:146 Resp: 4019
Ion Ratio Lower Upper
146 100
111 36.7 31.2 46.8
148 62.9 49.8 74.8





#71
Naphthalene
Concen: 0.227 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.010 min
Lab File: VV034114.D
Acq: 09 Feb 2024 16:03

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 2182
Ion Ratio Lower Upper
128 100
129 6.9 8.5 12.7#
127 11.6 10.4 15.6

