

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100923\
 Data File : VW032355.D
 Acq On : 10 Oct 2023 02:17
 Operator : SY/MD
 Sample : 04774-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 10 06:02:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 10 05:42:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	99286	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	101429	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	44925	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	41477	5.137	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.800%
7) Chloroethane-d5	1.532	69	32502	4.959	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.200%
11) 1,1-Dichloroethene-d2	2.060	65	15285	4.488	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.800%
20) 2-Butanone-d5	3.809	46	103561	50.699	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.400%
24) Chloroform-d	4.253	84	62929	4.418	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	4.950	65	31751	4.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	4.963	84	125258	4.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	5.992	67	40272	4.073	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.246	98	111721	4.094	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	7.561	79	14304	4.082	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.600%
46) 2-Hexanone-d5	8.031	63	85858	52.078	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.160%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	32402	4.685	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	38480	4.616	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.069	96	1894	0.260	ug/L #	1
13) Acetone	2.137	43	4553	2.892	ug/L	81
14) Carbon disulfide	2.243	76	2271	0.089	ug/L	95
18) trans-1,2-Dichloroethene	2.696	96	163973	19.660	ug/L	98
19) 1,1-Dichloroethane	3.114	63	5297	0.338	ug/L	95
22) cis-1,2-Dichloroethene	3.815	96	542342	60.391	ug/L	97
25) Chloroform	4.278	83	7804	0.507	ug/L	97
30) Cyclohexane	4.587	56	4627	0.305	ug/L #	84
31) Carbon tetrachloride	4.738	117	19509	1.672	ug/L	99
33) Benzene	5.018	78	11122	0.311	ug/L	100
34) Trichloroethene	5.834	95	541585	55.555	ug/L	98
35) Methylcyclohexane	6.056	83	6594	0.437	ug/L #	82
37) 1,2-Dichloropropane	5.992	63	4552	0.477	ug/L #	87
39) cis-1,3-Dichloropropene	6.918	75	925	0.068	ug/L #	81
42) Toluene	7.323	91	35940	0.944	ug/L	100
52) Ethylbenzene	8.953	91	9315	0.220	ug/L	99
53) m,p-Xylene	9.079	106	7388	0.470	ug/L	99
54) o-Xylene	9.487	106	2601	0.172	ug/L	97
61) 1,2,3-Trichloropropane	11.188	75	5403	1.130	ug/L #	67

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QLast Update : Tue Oct 10 05:42:01 2023
Response via : Initial Calibration

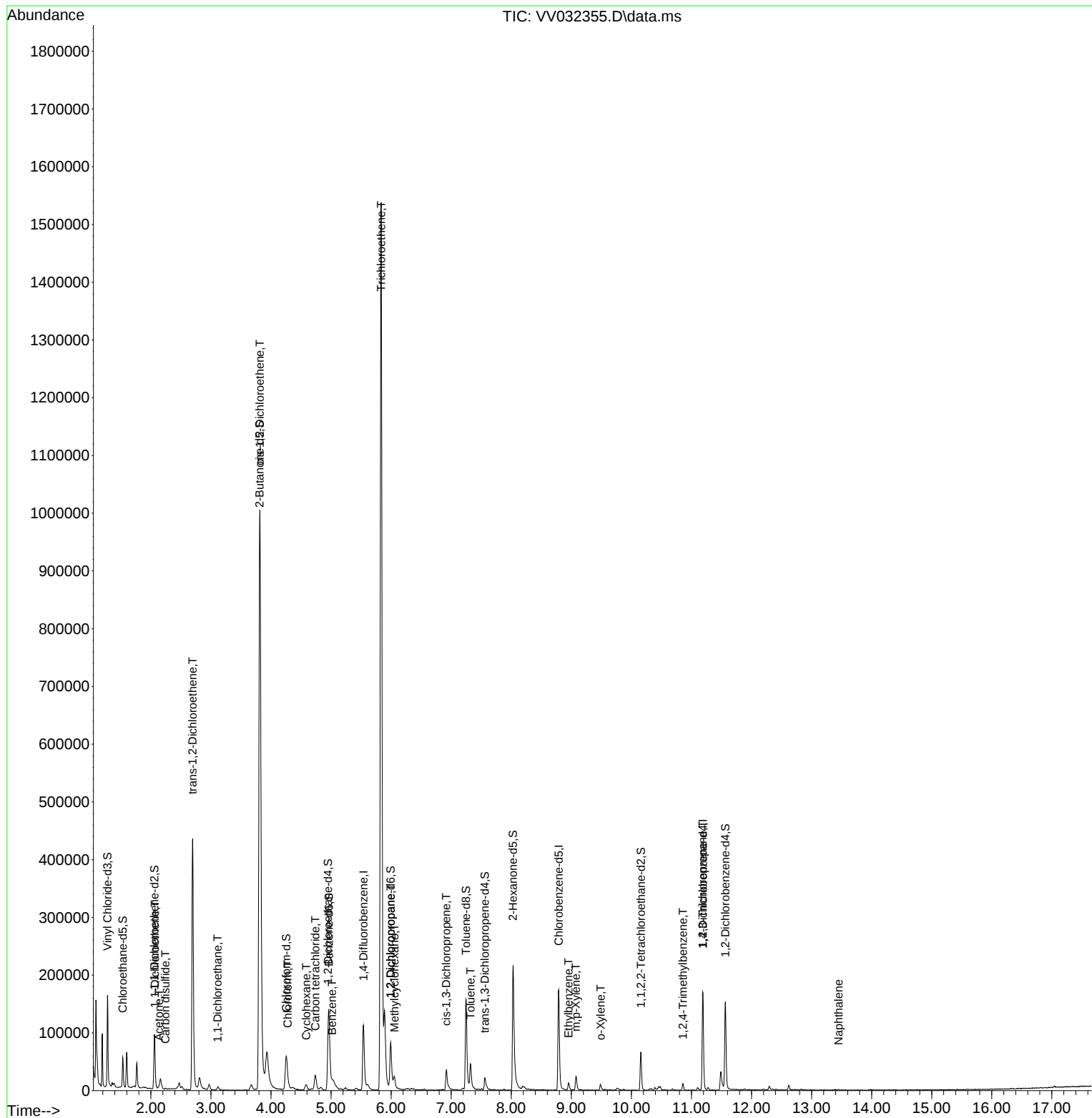
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.860	105	6567	0.232	ug/L	100
71) Naphthalene	13.452	128	1488	0.081	ug/L #	84

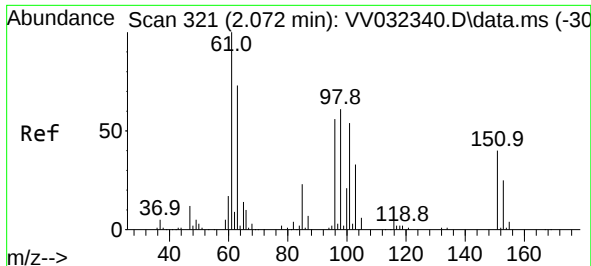
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.260 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

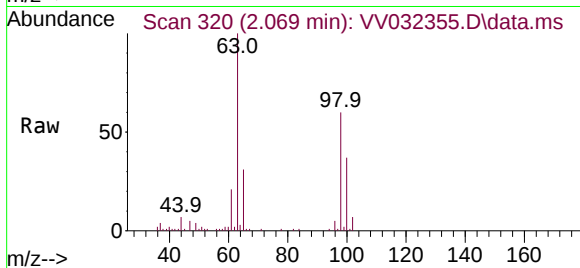
Lab File: VV032355.D

Acq: 10 Oct 2023 02:17

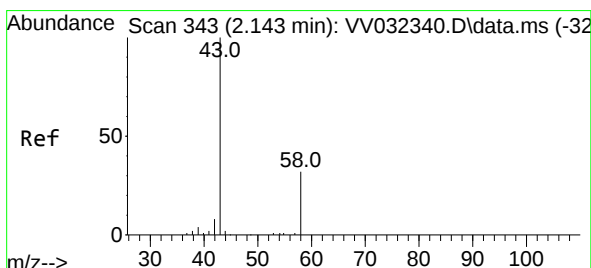
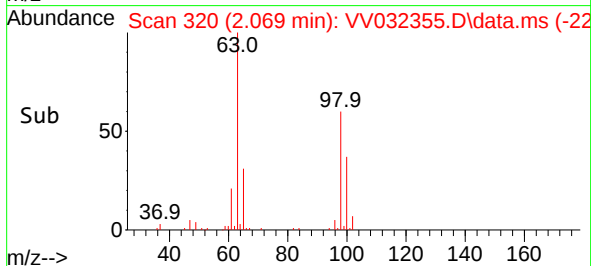
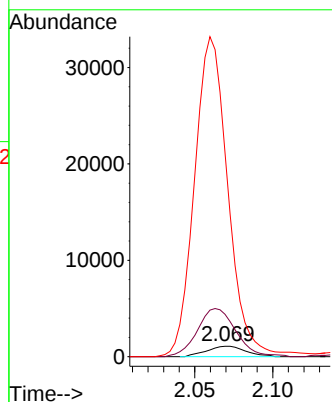
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	96	Resp:	1894
Ion	Ratio	Lower	Upper
96	100		
61	405.6	127.3	236.3#
63	1951.7	98.3	182.7#



#13

Acetone

Concen: 2.892 ug/L

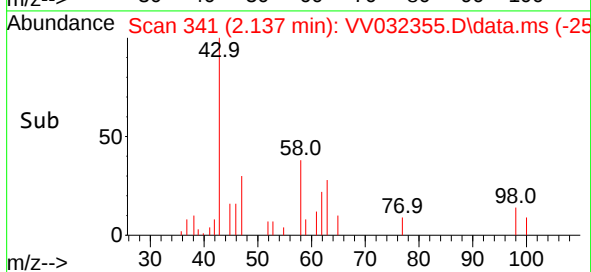
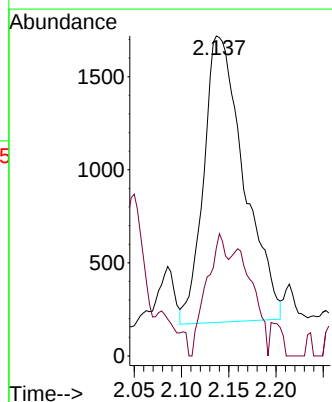
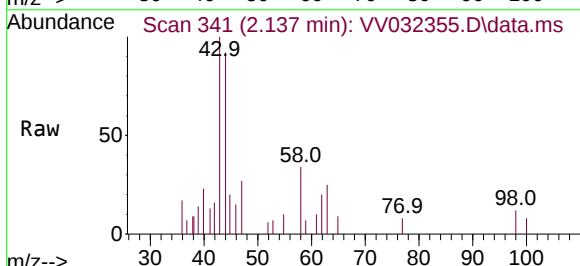
RT: 2.137 min Scan# 341

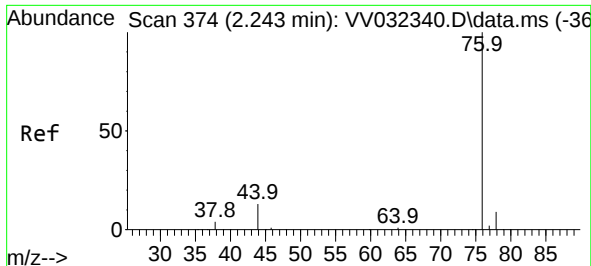
Delta R.T. -0.006 min

Lab File: VV032355.D

Acq: 10 Oct 2023 02:17

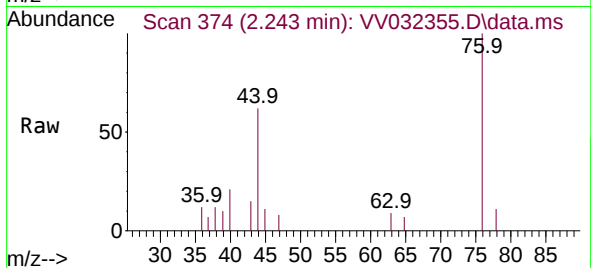
Tgt Ion:	43	Resp:	4553
Ion	Ratio	Lower	Upper
43	100		
58	22.2	0.0	66.0



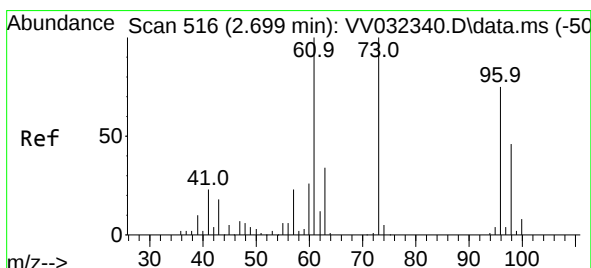
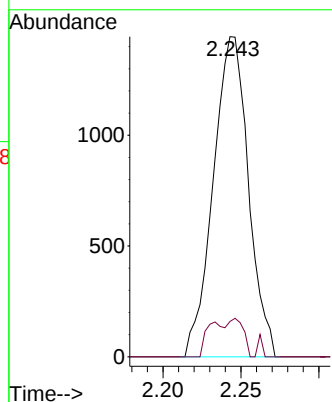
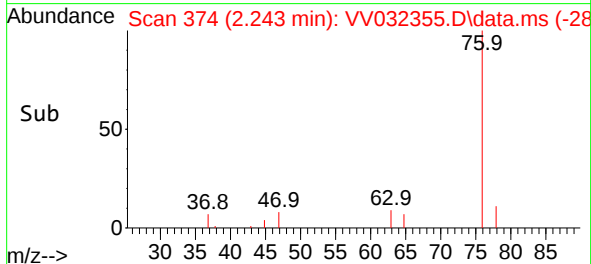


#14
Carbon disulfide
Concen: 0.089 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

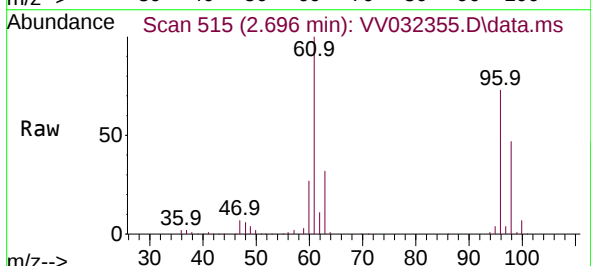
Instrument :
MSVOA_V
ClientSampleId :



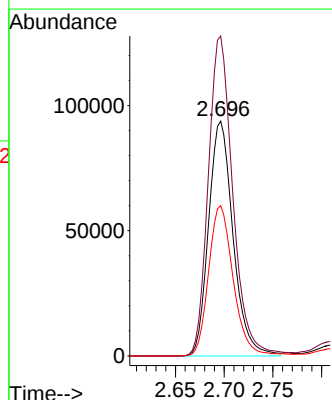
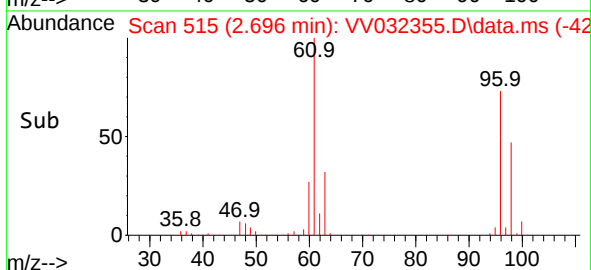
Tgt Ion: 76 Resp: 2271
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.2

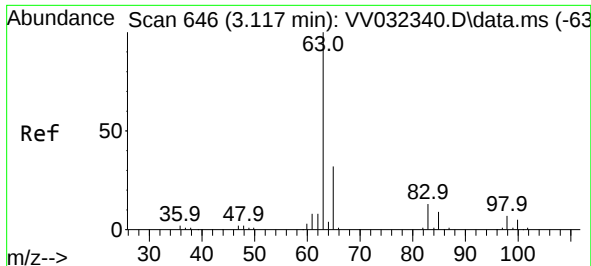


#18
trans-1,2-Dichloroethene
Concen: 19.660 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17



Tgt Ion: 96 Resp: 163973
Ion Ratio Lower Upper
96 100
61 136.3 96.9 180.1
98 64.0 45.3 84.1





#19

1,1-Dichloroethane

Concen: 0.338 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV032355.D

Acq: 10 Oct 2023 02:17

Instrument :

MSVOA_V

ClientSampleId :

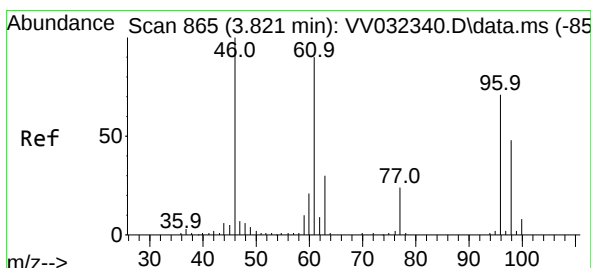
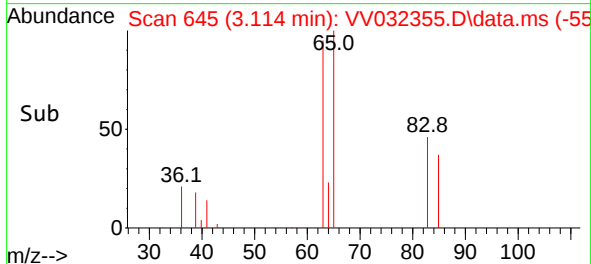
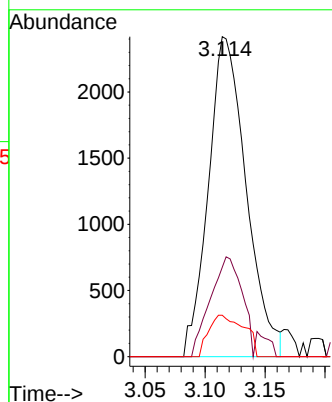
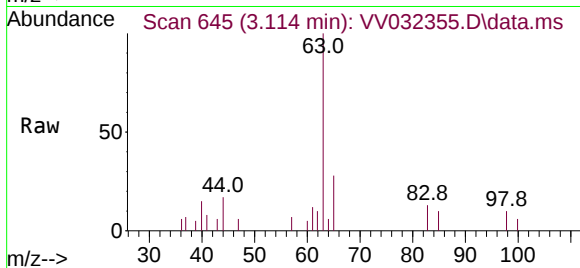
Tgt Ion: 63 Resp: 5297

Ion Ratio Lower Upper

63 100

65 28.0 22.3 41.5

83 12.9 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 60.391 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.006 min

Lab File: VV032355.D

Acq: 10 Oct 2023 02:17

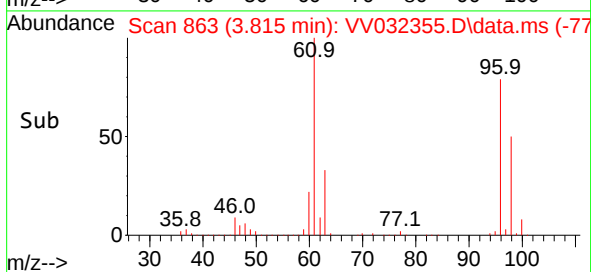
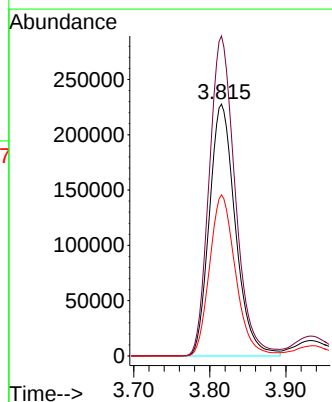
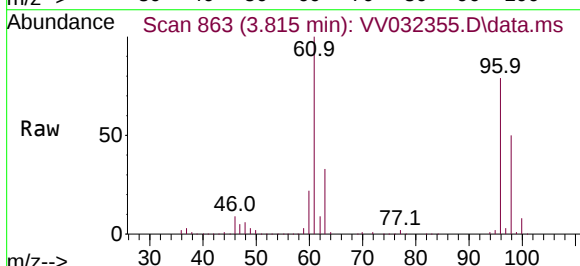
Tgt Ion: 96 Resp: 542342

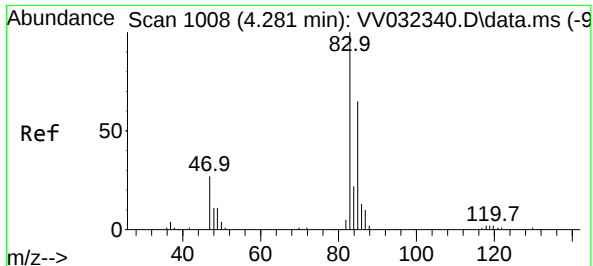
Ion Ratio Lower Upper

96 100

61 127.1 85.8 159.4

98 64.0 44.0 81.6





#25

Chloroform

Concen: 0.507 ug/L

RT: 4.278 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV032355.D

Acq: 10 Oct 2023 02:17

Instrument :

MSVOA_V

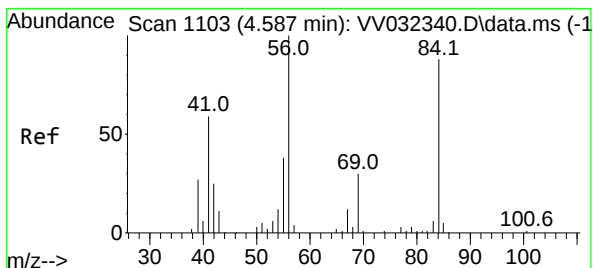
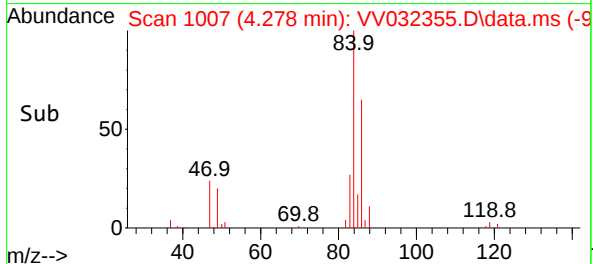
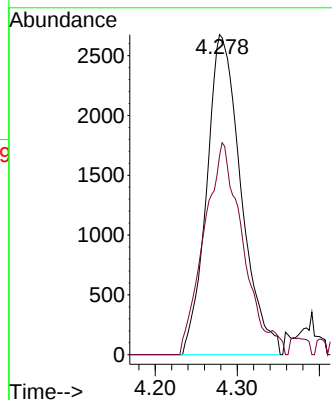
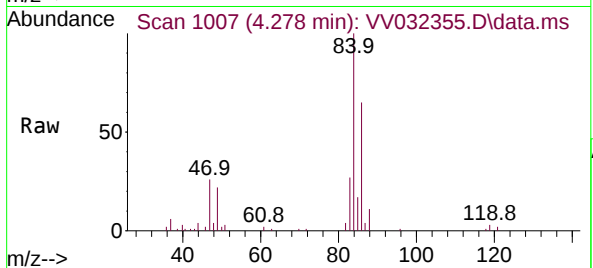
ClientSampleId :

Tgt Ion: 83 Resp: 7804

Ion Ratio Lower Upper

83 100

85 62.2 45.4 84.4



#30

Cyclohexane

Concen: 0.305 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV032355.D

Acq: 10 Oct 2023 02:17

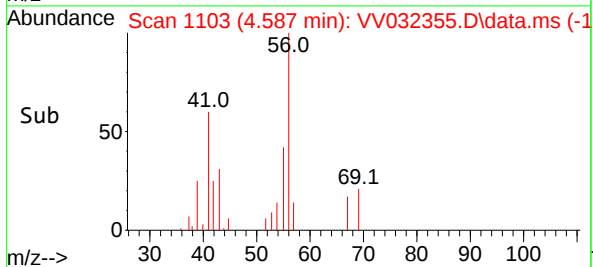
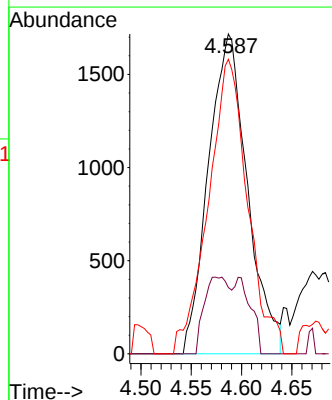
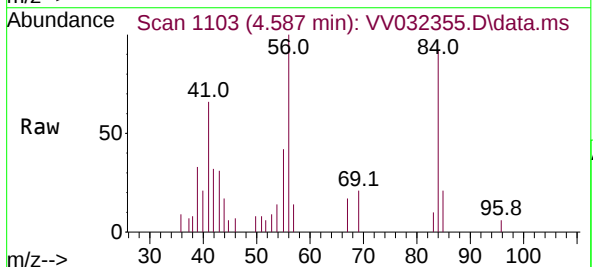
Tgt Ion: 56 Resp: 4627

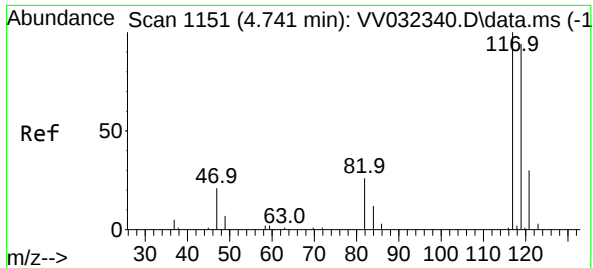
Ion Ratio Lower Upper

56 100

69 10.2 24.2 36.2#

84 92.5 68.1 102.1

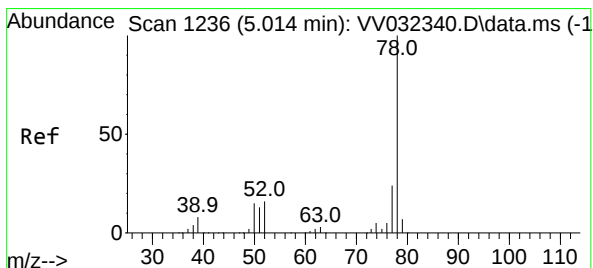
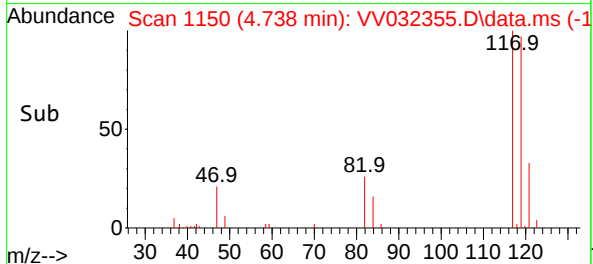
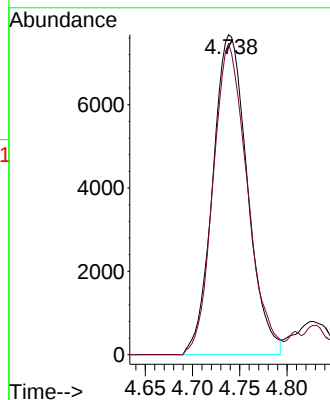
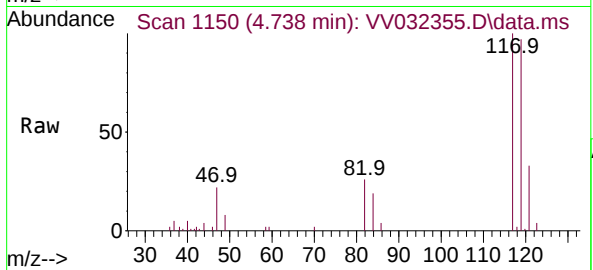




#31
Carbon tetrachloride
Concen: 1.672 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.003 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

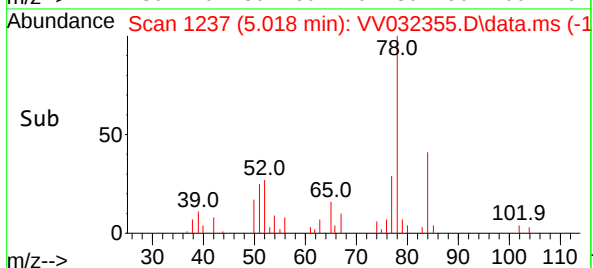
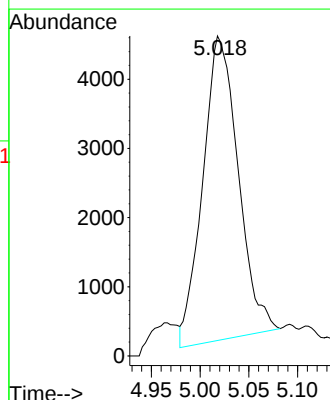
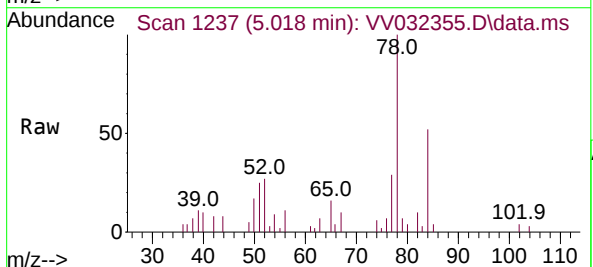
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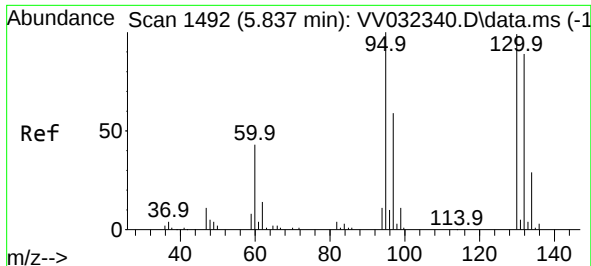
Tgt Ion:117 Resp: 19509
Ion Ratio Lower Upper
117 100
119 96.5 77.6 116.4



#33
Benzene
Concen: 0.311 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

Tgt Ion: 78 Resp: 11122

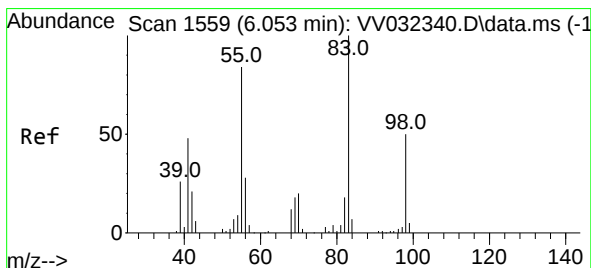
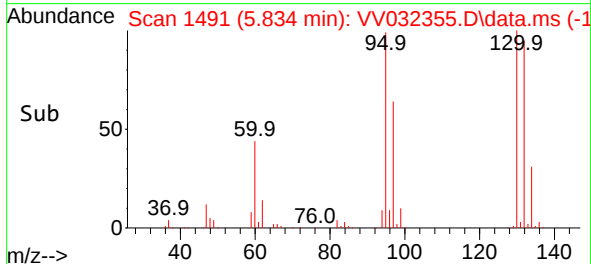
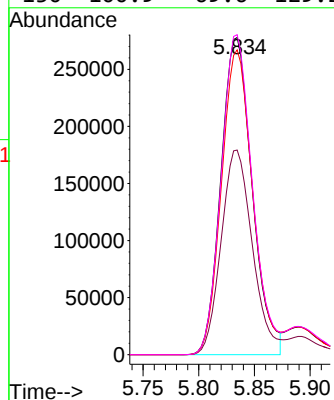
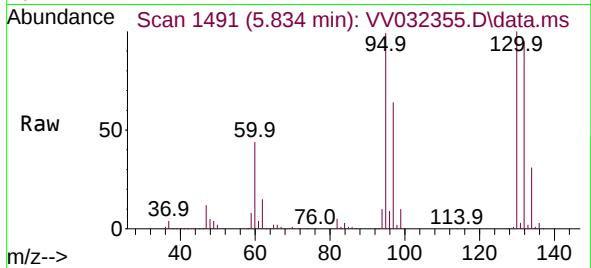




#34
Trichloroethene
Concen: 55.555 ug/L
RT: 5.834 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

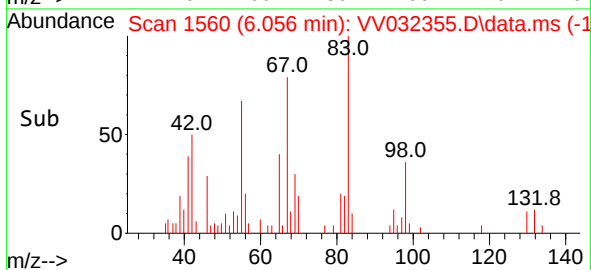
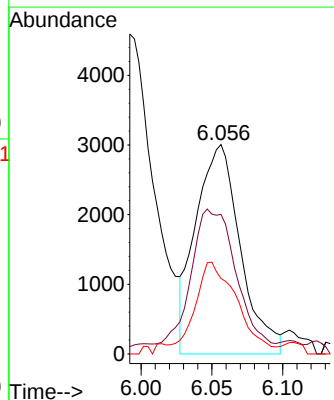
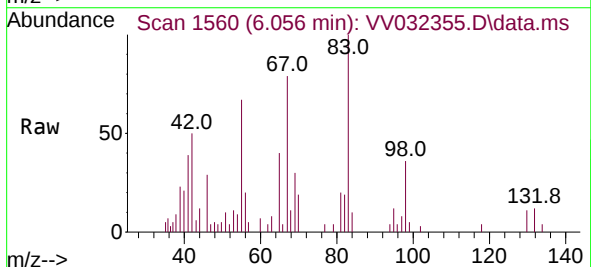
Instrument :
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ClientSampleId :

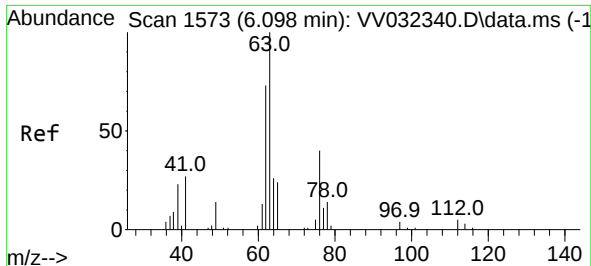
Tgt Ion: 95 Resp: 541585
Ion Ratio Lower Upper
95 100
97 64.5 45.7 84.9
132 96.1 70.3 130.5
130 100.9 69.6 129.2



#35
Methylcyclohexane
Concen: 0.437 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.003 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

Tgt Ion: 83 Resp: 6594
Ion Ratio Lower Upper
83 100
55 66.4 64.2 96.2
98 34.7 39.6 59.4#





#37

1,2-Dichloropropane

Concen: 0.477 ug/L

RT: 5.992 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV032355.D

Acq: 10 Oct 2023 02:17

Instrument :

MSVOA_V

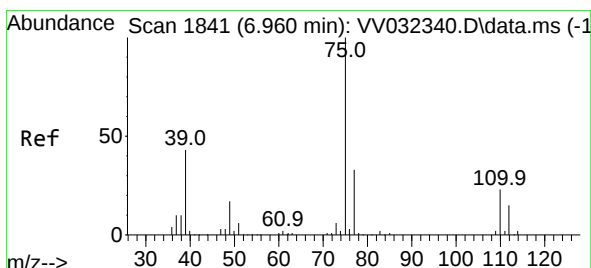
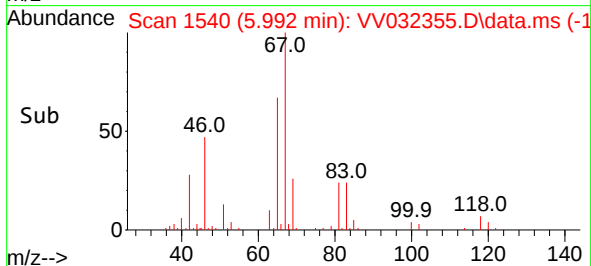
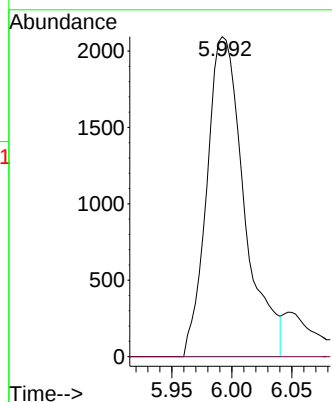
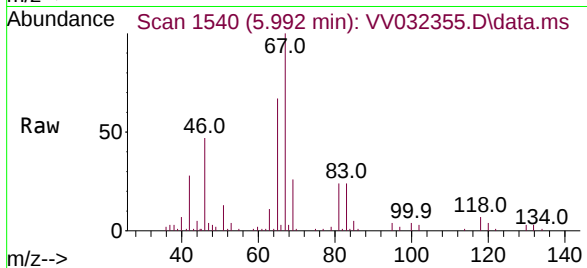
ClientSampleId :

Tgt Ion: 63 Resp: 4552

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.042 min

Lab File: VV032355.D

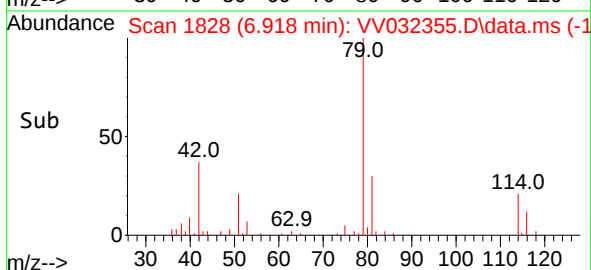
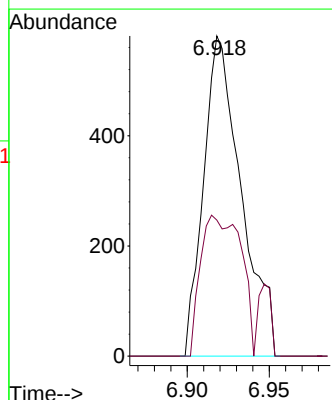
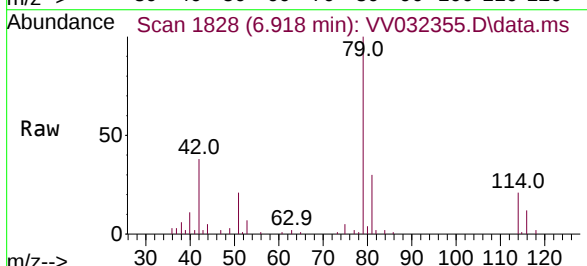
Acq: 10 Oct 2023 02:17

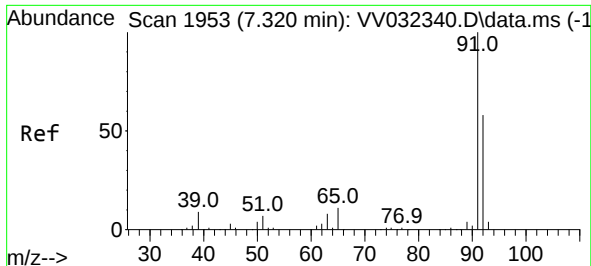
Tgt Ion: 75 Resp: 925

Ion Ratio Lower Upper

75 100

77 42.5 22.2 41.2#





#42

Toluene

Concen: 0.944 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV032355.D

Acq: 10 Oct 2023 02:17

Instrument :

MSVOA_V

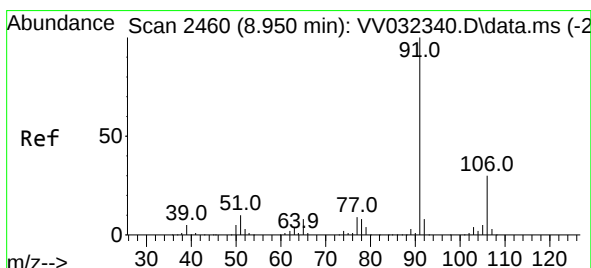
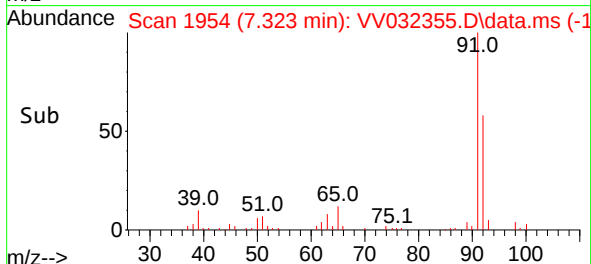
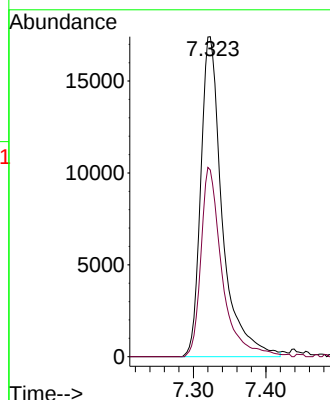
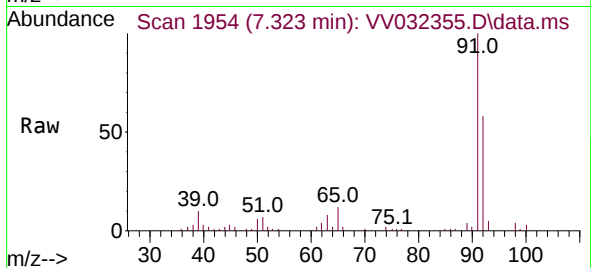
ClientSampleId :

Tgt Ion: 91 Resp: 35940

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#52

Ethylbenzene

Concen: 0.220 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV032355.D

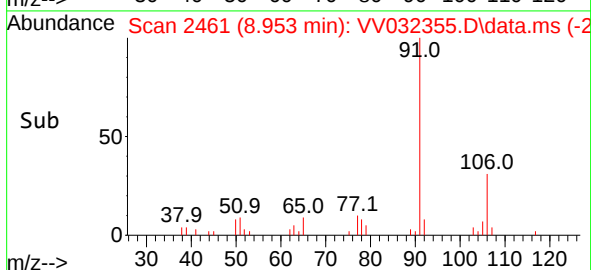
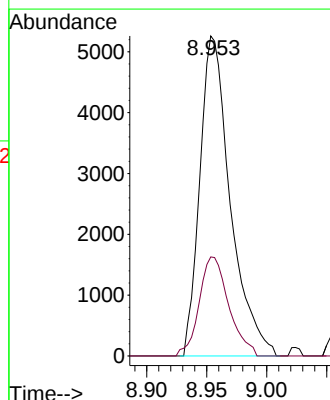
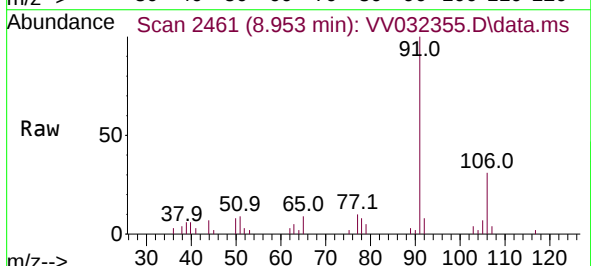
Acq: 10 Oct 2023 02:17

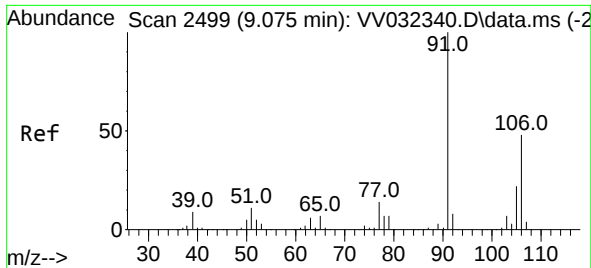
Tgt Ion: 91 Resp: 9315

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5

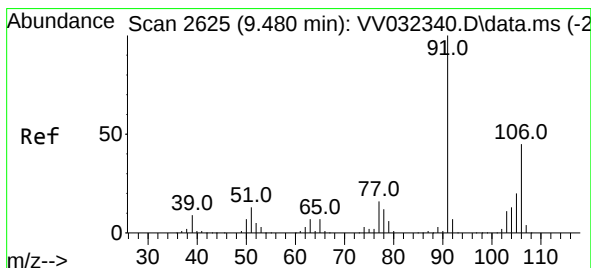
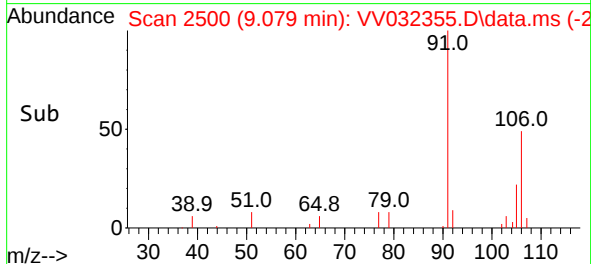
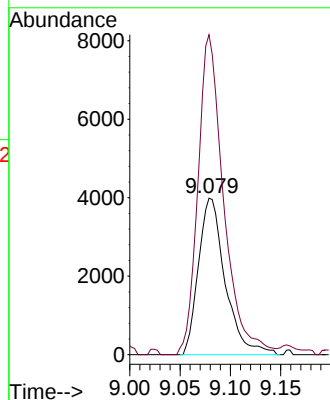
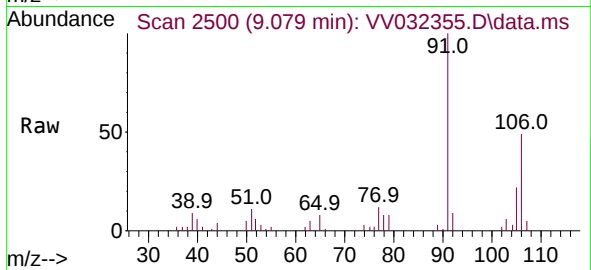




#53
m,p-Xylene
Concen: 0.470 ug/L
RT: 9.079 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

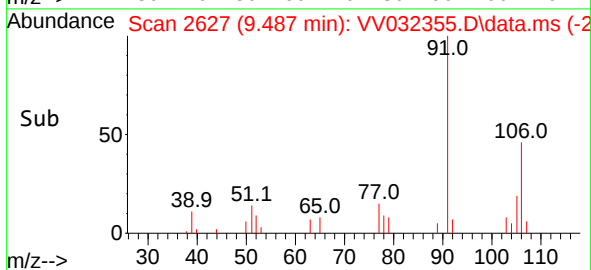
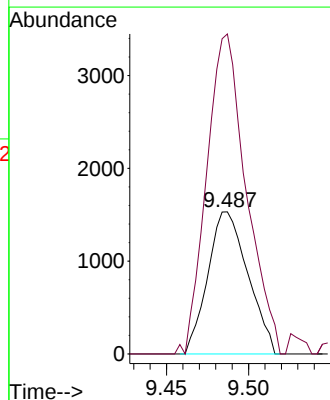
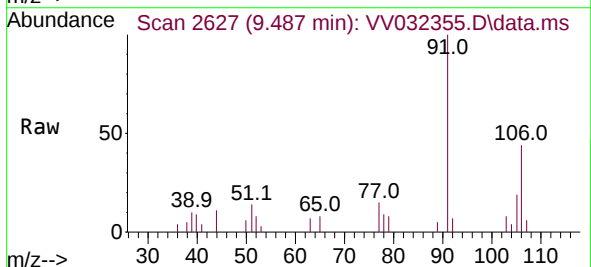
Instrument :
MSVOA_V
ClientSampleId :

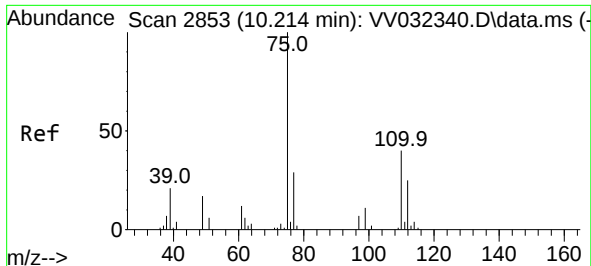
Tgt Ion:106 Resp: 7388
Ion Ratio Lower Upper
106 100
91 204.5 144.5 268.3



#54
o-Xylene
Concen: 0.172 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.007 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

Tgt Ion:106 Resp: 2601
Ion Ratio Lower Upper
106 100
91 225.2 154.8 287.4

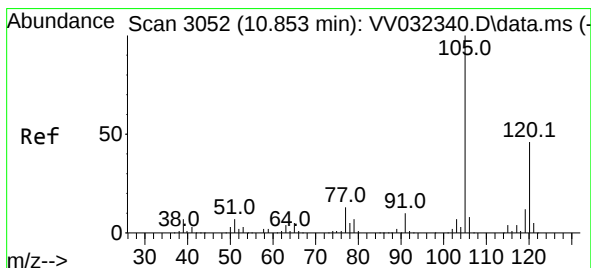
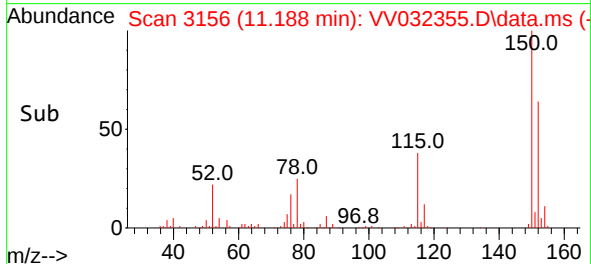
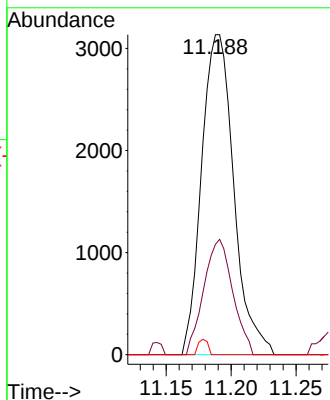
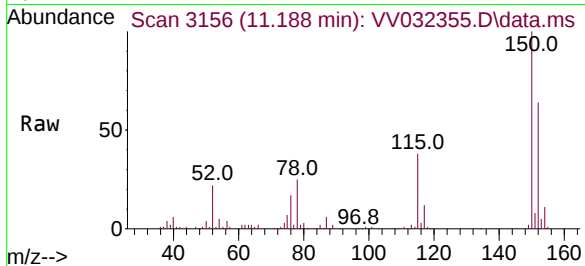




#61
1,2,3-Trichloropropane
Concen: 1.130 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.974 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

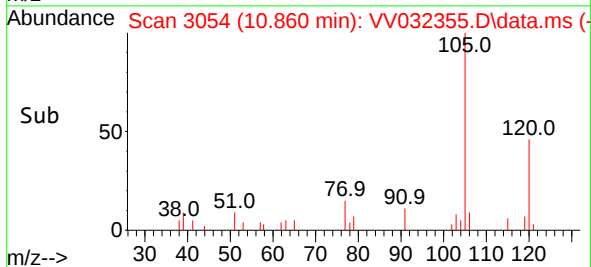
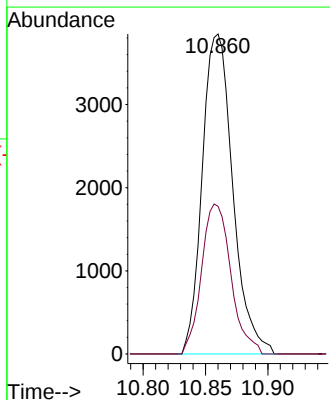
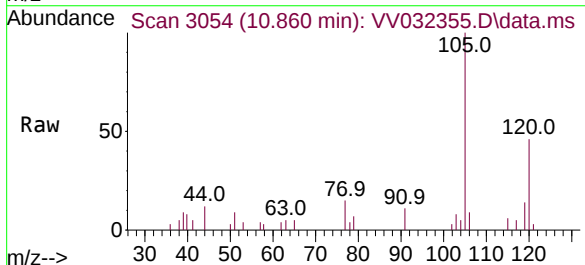
Instrument :
MSVOA_V
ClientSampleId :

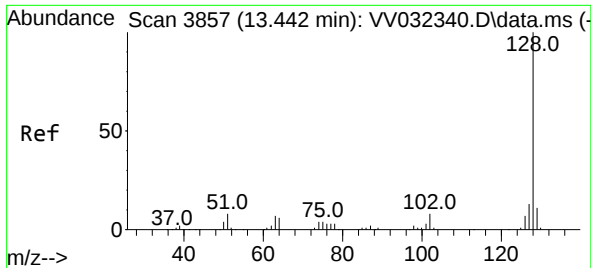
Tgt Ion: 75 Resp: 5403
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2
110 1.4 30.6 46.0#



#63
1,2,4-Trimethylbenzene
Concen: 0.232 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.007 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

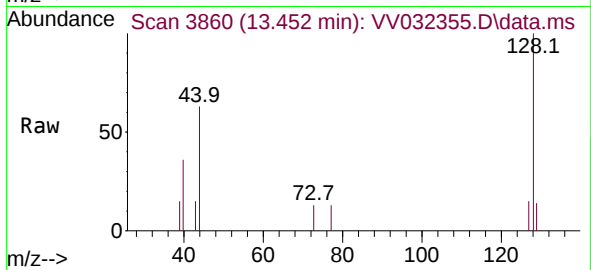
Tgt Ion: 105 Resp: 6567
Ion Ratio Lower Upper
105 100
120 45.1 36.2 54.4





#71
Naphthalene
Concen: 0.081 ug/L
RT: 13.452 min Scan# 3860
Delta R.T. 0.010 min
Lab File: VV032355.D
Acq: 10 Oct 2023 02:17

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1488
Ion Ratio Lower Upper
128 100
129 5.5 9.0 13.4#
127 5.6 10.2 15.2#

