

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011624\
 Data File : VW033700.D
 Acq On : 17 Jan 2024 03:19
 Operator : SY/MD
 Sample : P1143-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AZ2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/18/2024
 Supervised By :Mahesh Dadoda 01/18/2024

Quant Time: Jan 17 04:31:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 17 01:35:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	105618	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	99205	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	50752	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	20287	3.513	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.532	69	22063	4.307	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.056	65	9939	3.819	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.400%
20) 2-Butanone-d5	3.896	46	63940m	45.280	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.560%
24) Chloroform-d	4.249	84	55984	4.482	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	4.947	65	26969	4.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	4.960	84	101832	4.254	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	5.992	67	34961	4.381	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.246	98	92392	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	7.561	79	11652	4.223	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.034	63	53679	49.555	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.100%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	23179	4.971	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	36983	4.746	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.282	62	20077	1.827	ug/L #	70
8) Chloroethane	1.545	64	11142	1.670	ug/L #	65
16) Methylene chloride	2.445	84	2055	0.234	ug/L	94
18) trans-1,2-Dichloroethene	2.693	96	12485	1.484	ug/L	96
19) 1,1-Dichloroethane	3.111	63	224824	13.454	ug/L	99
22) cis-1,2-Dichloroethene	3.812	96	268665	30.509	ug/L	98
27) 1,2-Dichloroethane	5.047	62	43555	4.982	ug/L	99
30) Cyclohexane	4.580	56	3832	0.227	ug/L	97
33) Benzene	5.011	78	94510	2.684	ug/L	100
34) Trichloroethene	5.841	95	11566	1.234	ug/L	89
35) Methylcyclohexane	6.047	83	3627	0.229	ug/L #	73
37) 1,2-Dichloropropane	6.101	63	2980	0.341	ug/L #	20
42) Toluene	7.323	91	8454	0.227	ug/L	96
47) Tetrachloroethene	7.905	164	3225	0.479	ug/L	89
51) Chlorobenzene	8.812	112	690670	30.267	ug/L	98
52) Ethylbenzene	8.953	91	3459	0.080	ug/L	100
53) m,p-Xylene	9.082	106	1231	0.077	ug/L	86
54) o-Xylene	9.484	106	1433	0.093	ug/L	97
60) Isopropylbenzene	9.870	105	7963	0.198	ug/L #	81

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.117	146	36943	2.080	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	89841	5.167	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	66354	4.299	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	146750	12.776	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	17060	1.852	ug/L #	87

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

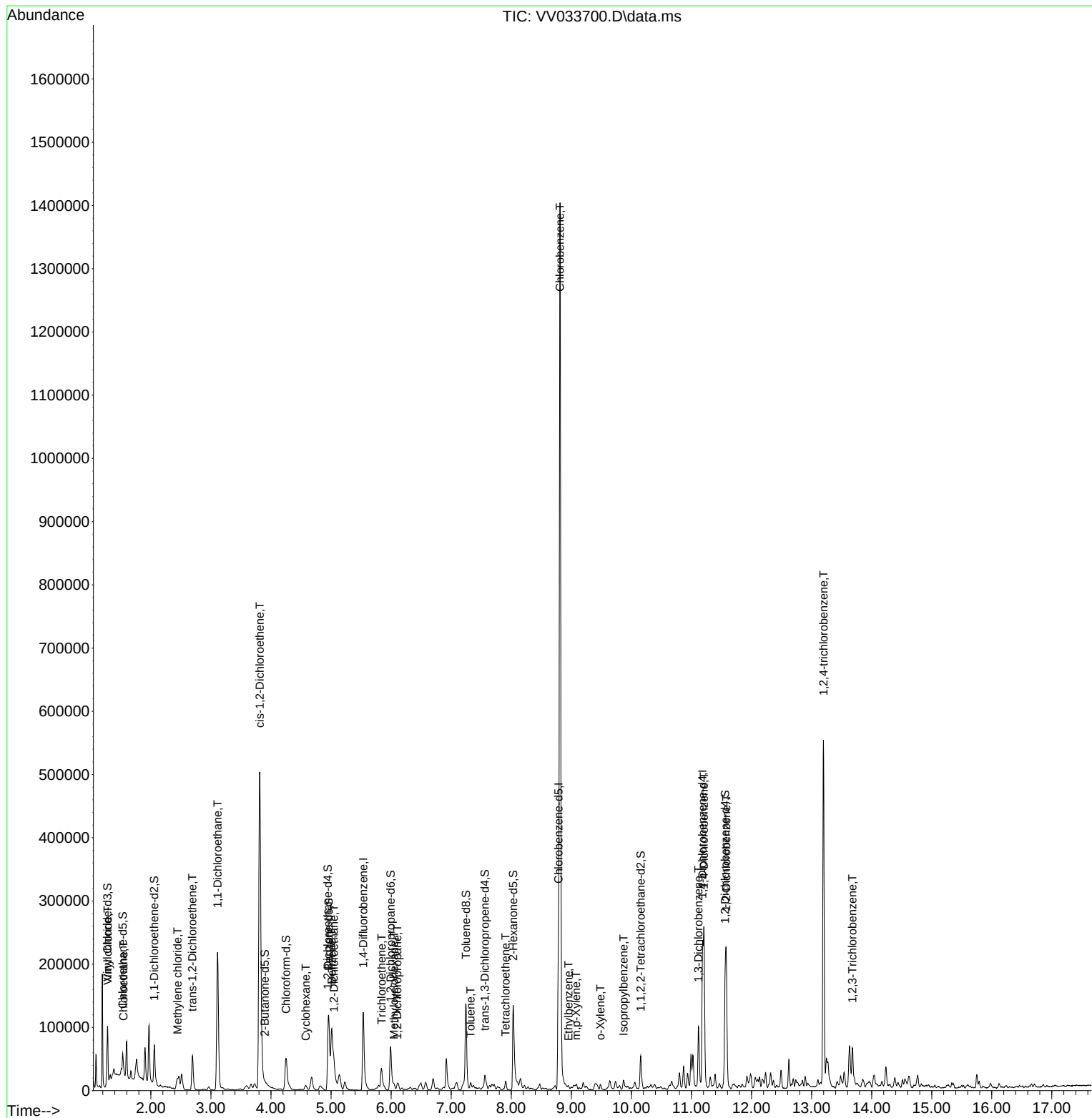
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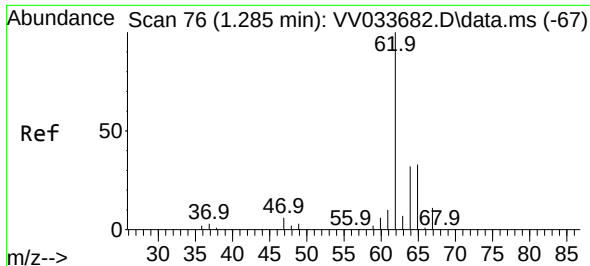
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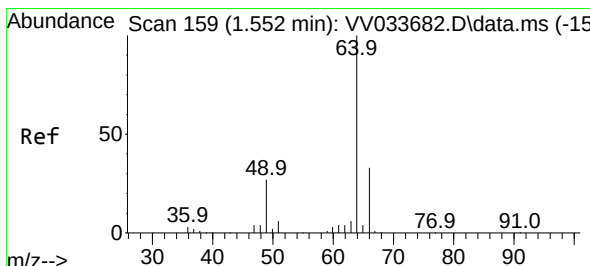
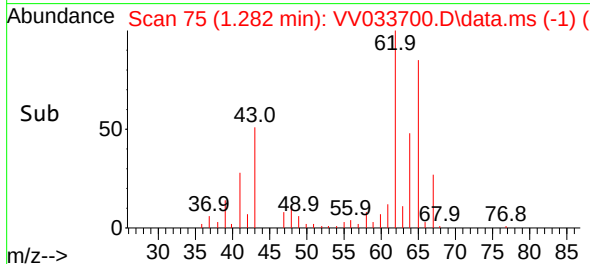
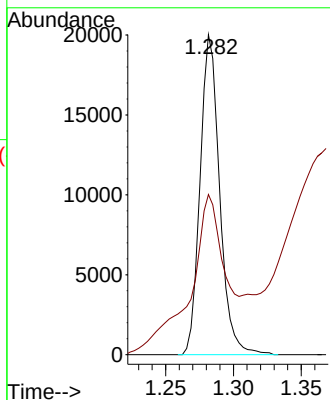
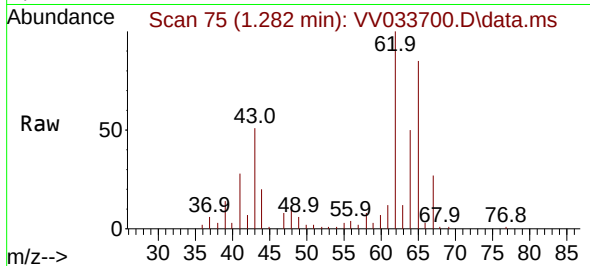
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 Vinyl chloride
 Concen: 1.827 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV033700.D
 Acq: 17 Jan 2024 03:19

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AZ2

Tgt Ion: 62 Resp: 2007
 Ion Ratio Lower Upper
 62 100
 64 50.0 23.0 42.8

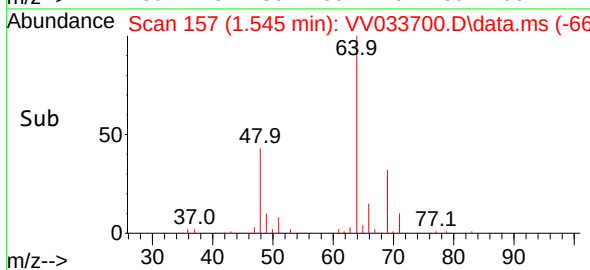
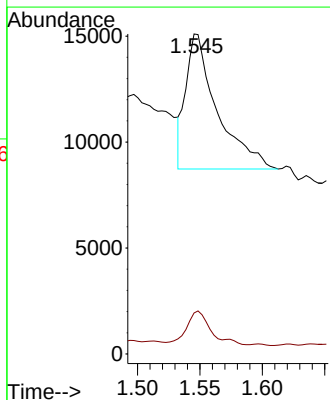
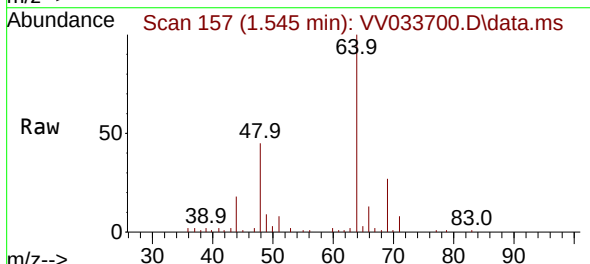
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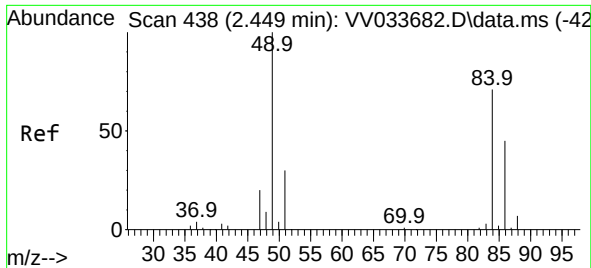
Reviewed By :Semsettin Yesilyurt 01/18/2024
 Supervised By :Mahesh Dadoda 01/18/2024



#8
 Chloroethane
 Concen: 1.670 ug/L
 RT: 1.545 min Scan# 157
 Delta R.T. -0.007 min
 Lab File: VV033700.D
 Acq: 17 Jan 2024 03:19

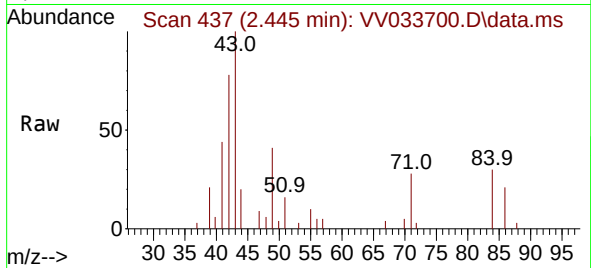
Tgt Ion: 64 Resp: 11142
 Ion Ratio Lower Upper
 64 100
 66 12.8 22.6 42.0





#16
Methylene chloride
Concen: 0.234 ug/L
RT: 2.445 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

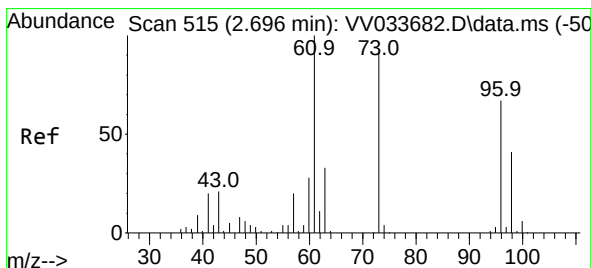
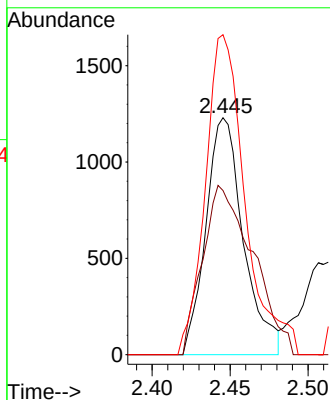
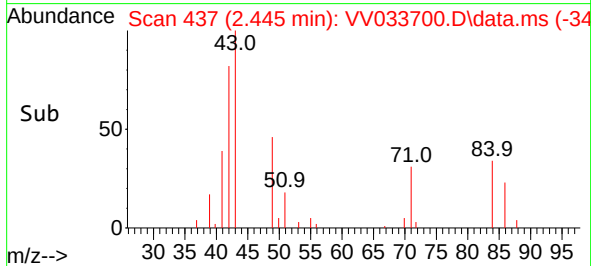
Instrument :
MSVOA_V
ClientSampleId :
C0AZ2



Tgt Ion: 84 Resp: 205
Ion Ratio Lower Upper
84 100
86 69.3 45.5 84.5
49 135.0 100.3 186.3

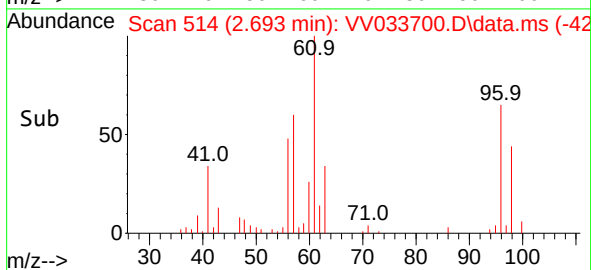
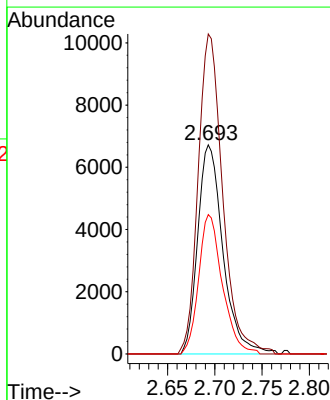
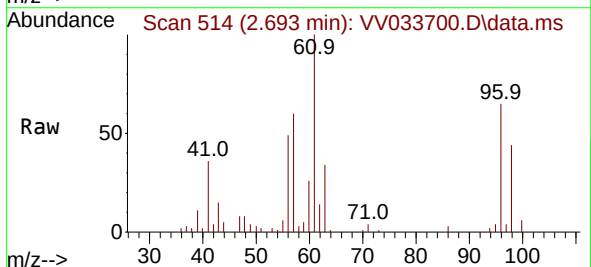
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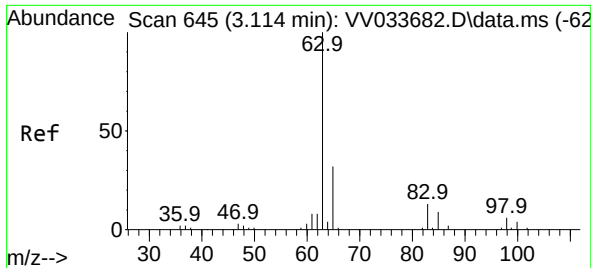
Reviewed By :Semsettin Yesilyurt 01/18/2024
Supervised By :Mahesh Dadoda 01/18/2024



#18
trans-1,2-Dichloroethene
Concen: 1.484 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Tgt Ion: 96 Resp: 12485
Ion Ratio Lower Upper
96 100
61 153.0 110.4 205.0
98 66.7 44.1 81.9





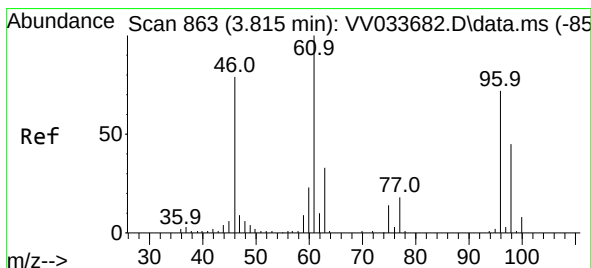
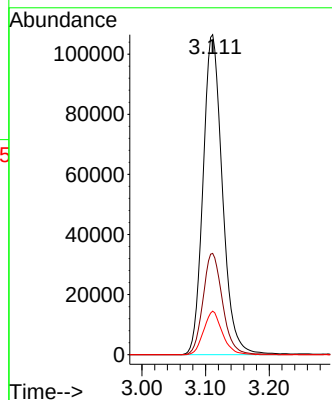
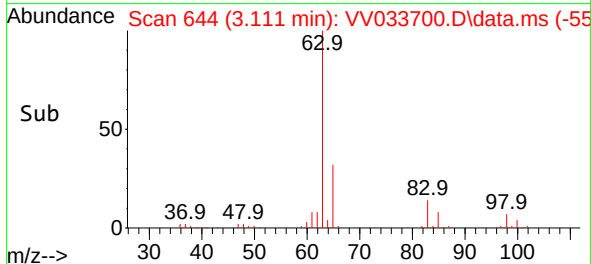
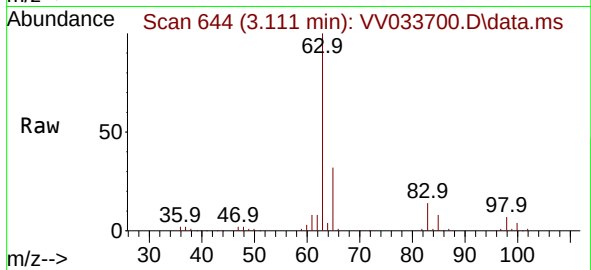
#19
1,1-Dichloroethane
Concen: 13.454 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.003 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Instrument :
MSVOA_V
ClientSampleId :
C0AZ2

Tgt Ion: 63 Resp: 224824
Ion Ratio Lower Upper
63 100
65 31.7 21.6 40.2
83 13.6 9.1 16.9

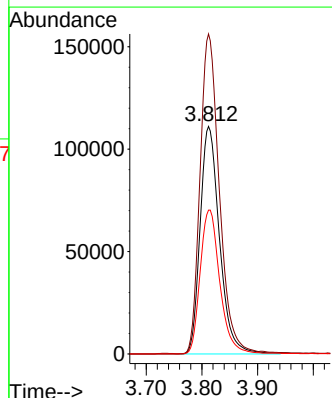
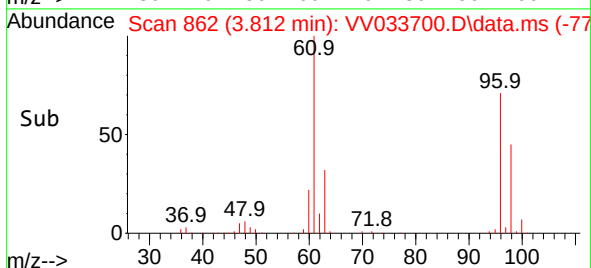
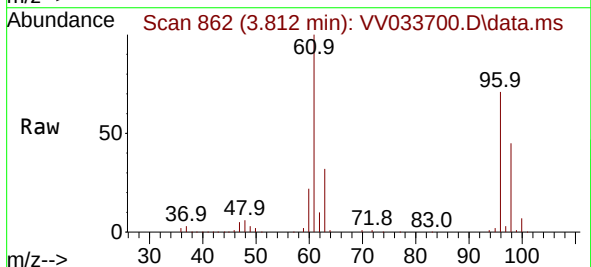
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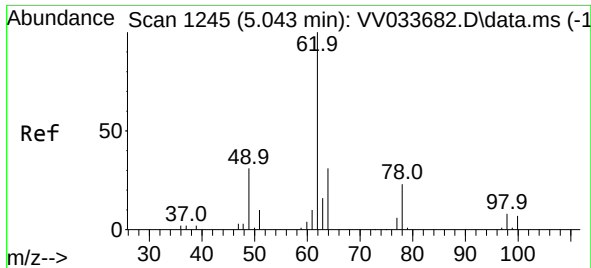
Reviewed By :Semsettin Yesilyurt 01/18/2024
Supervised By :Mahesh Dadoda 01/18/2024



#22
cis-1,2-Dichloroethene
Concen: 30.509 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.003 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Tgt Ion: 96 Resp: 268665
Ion Ratio Lower Upper
96 100
61 140.6 97.1 180.3
98 63.2 42.6 79.0





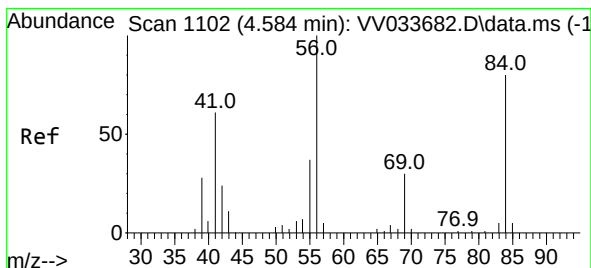
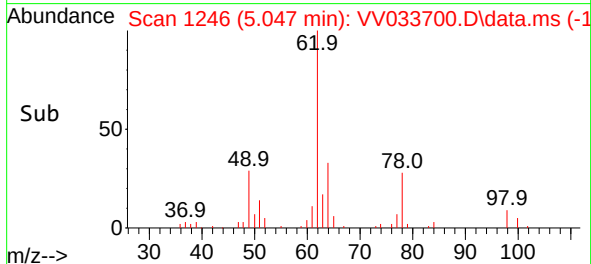
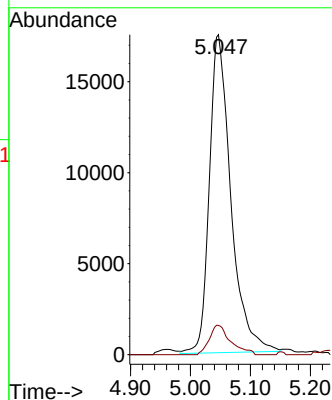
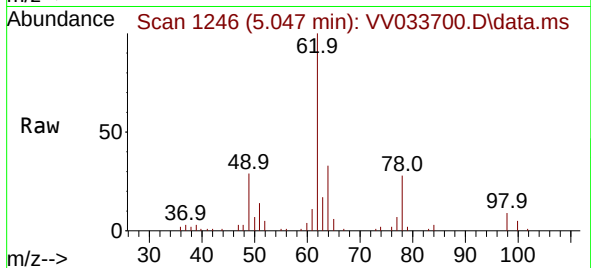
#27
1,2-Dichloroethane
Concen: 4.982 ug/L
RT: 5.047 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Instrument :
MSVOA_V
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C0AZ2

Tgt Ion: 62 Resp: 4355
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.6

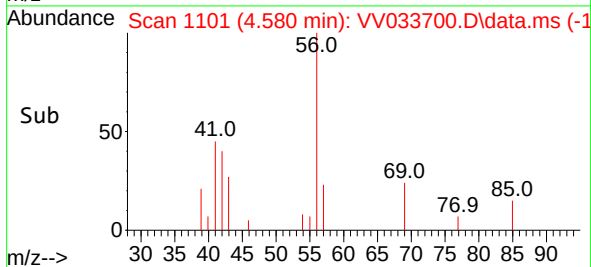
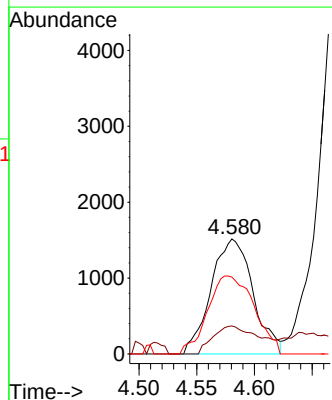
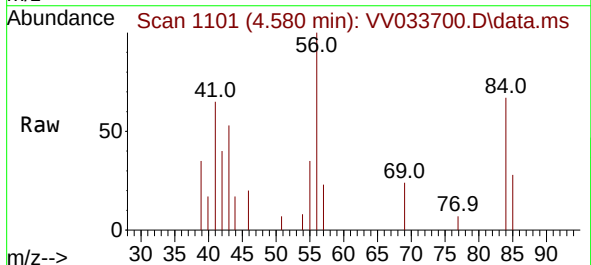
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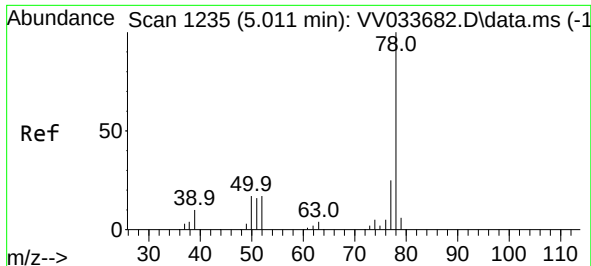
Reviewed By :Semsettin Yesilyurt 01/18/2024
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#30
Cyclohexane
Concen: 0.227 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Tgt Ion: 56 Resp: 3832
Ion Ratio Lower Upper
56 100
69 26.9 23.3 34.9
84 74.9 61.7 92.5





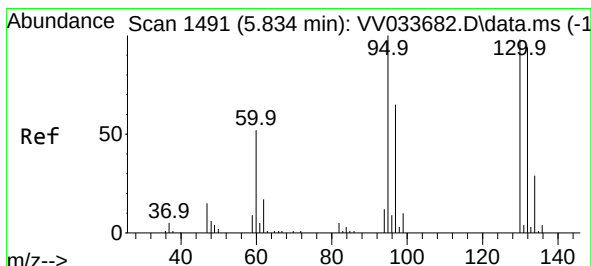
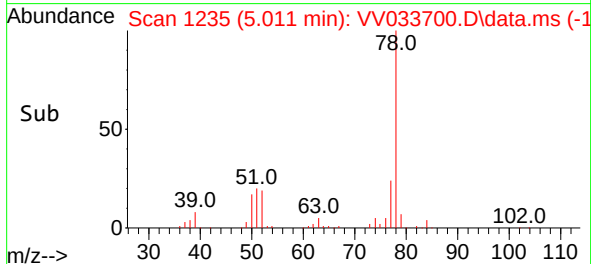
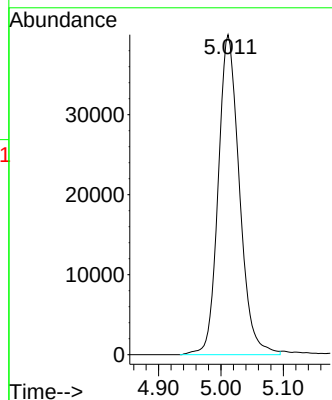
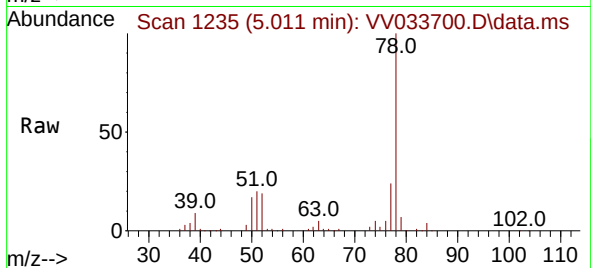
#33
Benzene
Concen: 2.684 ug/L
RT: 5.011 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV033700.D
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Tgt Ion: 78 Resp: 94510

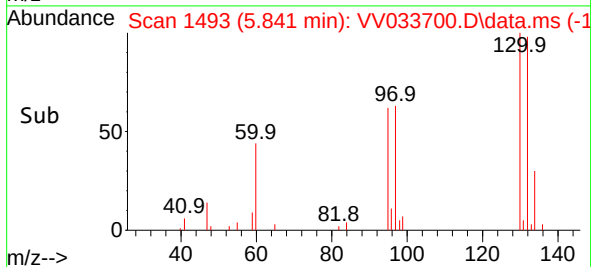
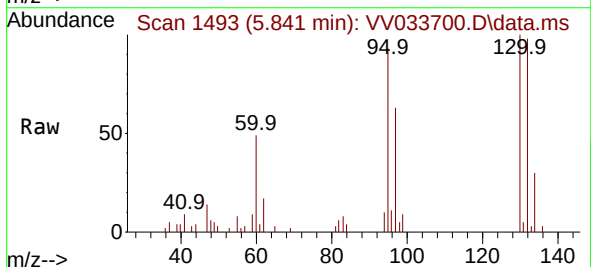
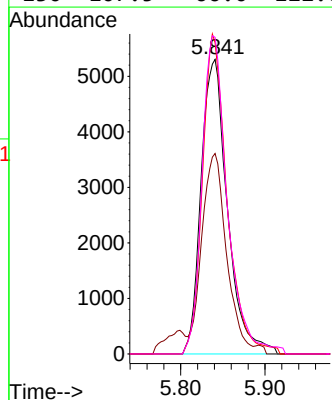
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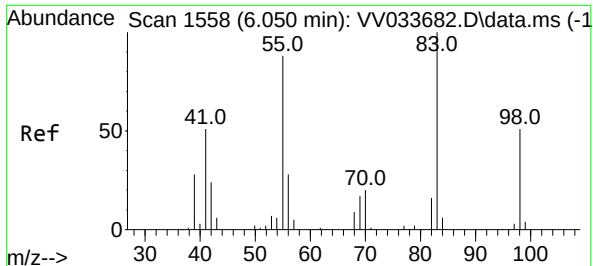
Reviewed By :Semsettin Yesilyurt 01/18/2024
Supervised By :Mahesh Dadoda 01/18/2024



#34
Trichloroethene
Concen: 1.234 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Tgt Ion: 95 Resp: 11566
Ion Ratio Lower Upper
95 100
97 68.1 45.1 83.9
132 105.6 65.2 121.2
130 107.5 66.0 122.6





#35

Methylcyclohexane

Concen: 0.229 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.003 min

Lab File: VV033700.D

Acq: 17 Jan 2024 03:19

Instrument :

MSVOA_V

ClientSampleId :

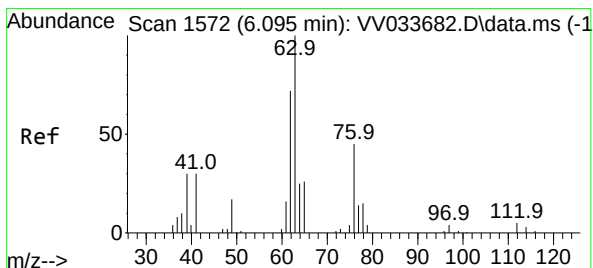
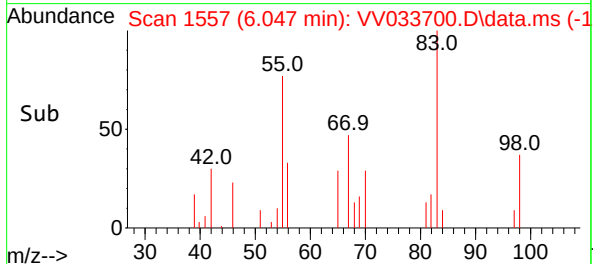
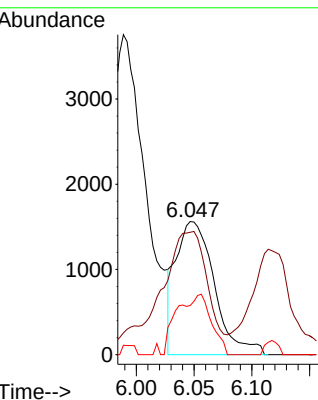
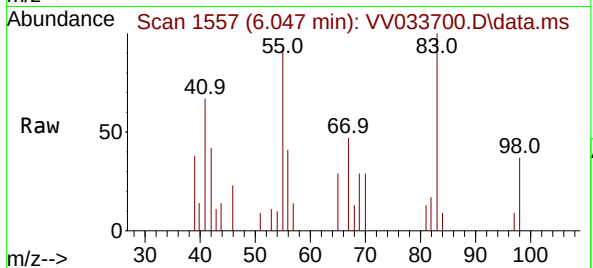
C0AZ2

Tgt Ion: 83	Resp: 362
Ion Ratio	Lower Upper
83	100
55	118.9 68.7 103.1
98	41.2 38.3 57.5

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#37

1,2-Dichloropropane

Concen: 0.341 ug/L

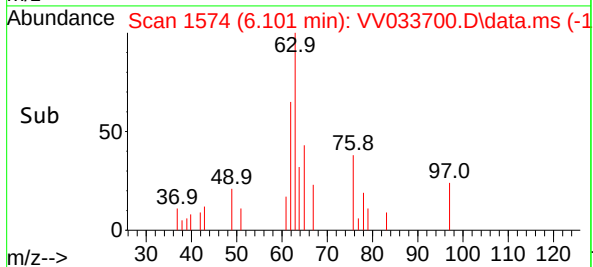
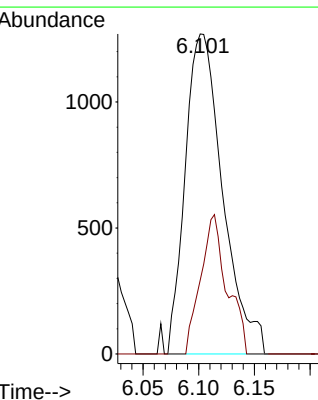
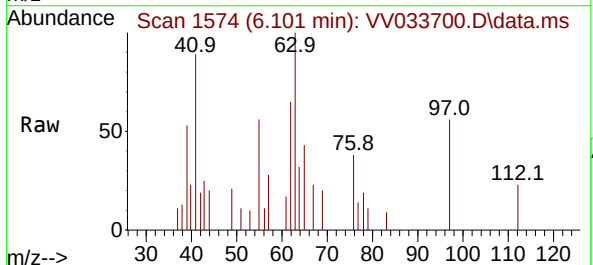
RT: 6.101 min Scan# 1574

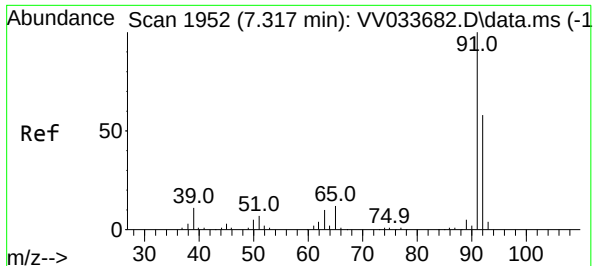
Delta R.T. 0.006 min

Lab File: VV033700.D

Acq: 17 Jan 2024 03:19

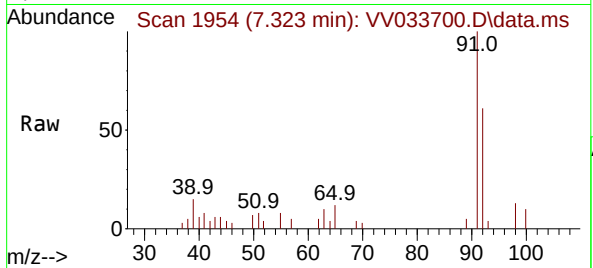
Tgt Ion: 63	Resp: 2980
Ion Ratio	Lower Upper
63	100
112	30.5 3.4 5.2





#42
Toluene
Concen: 0.227 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

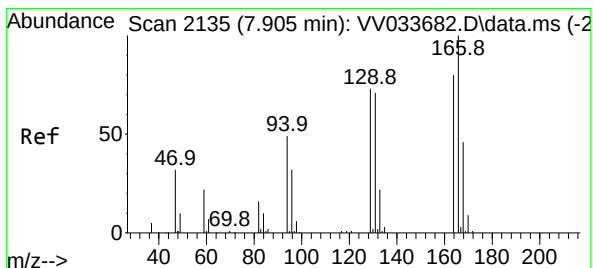
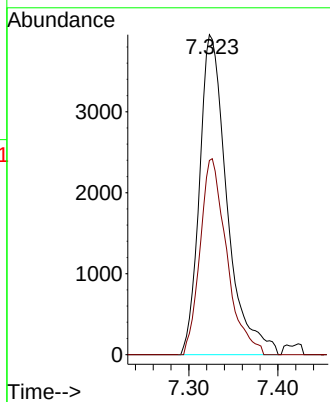
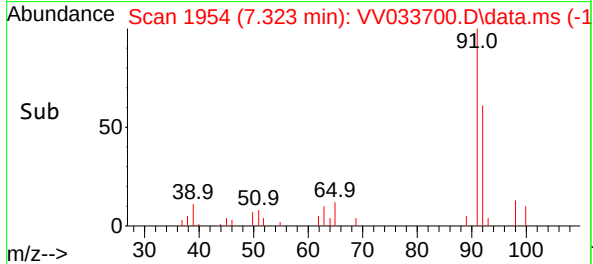
Instrument :
MSVOA_V
ClientSampleId :
C0AZ2



Tgt Ion: 91 Resp: 845
Ion Ratio Lower Upper
91 100
92 60.7 40.5 75.3

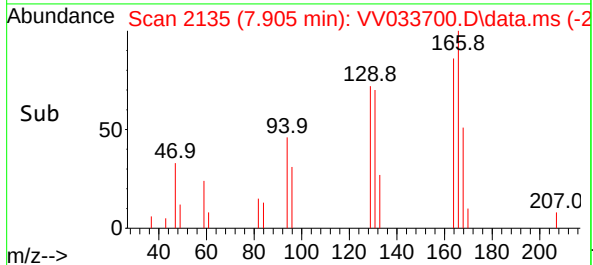
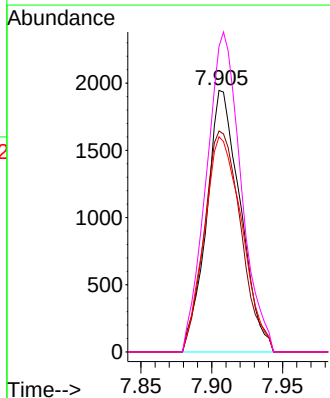
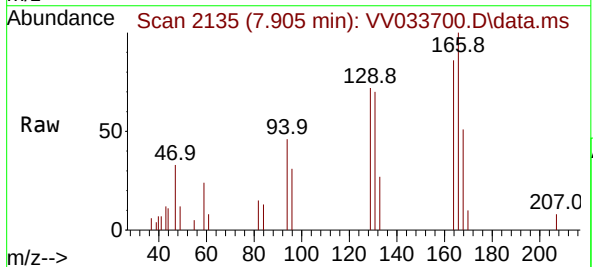
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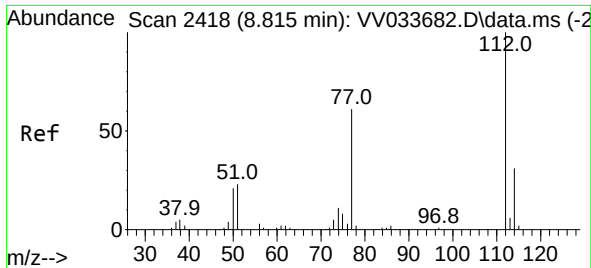
Reviewed By :Semsettin Yesilyurt 01/18/2024
Supervised By :Mahesh Dadoda 01/18/2024



#47
Tetrachloroethene
Concen: 0.479 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Tgt Ion:164 Resp: 3225
Ion Ratio Lower Upper
164 100
129 84.4 67.1 124.7
131 82.2 65.0 120.6
166 116.7 90.8 168.6





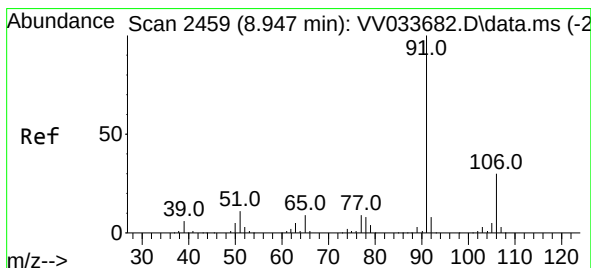
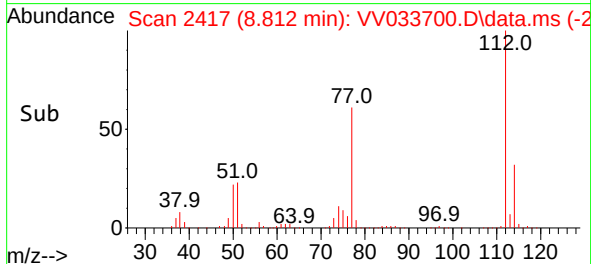
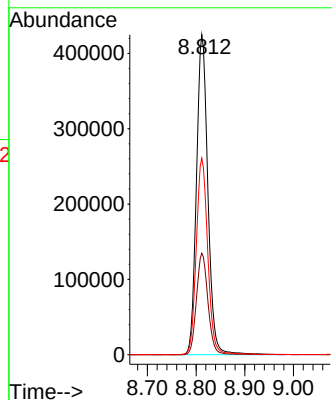
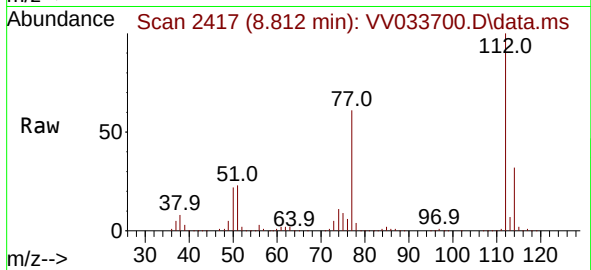
#51
Chlorobenzene
Concen: 30.267 ug/L
RT: 8.812 min Scan# 2418
Delta R.T. -0.003 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Instrument :
MSVOA_V
ClientSampleId :
C0AZ2

Tgt Ion:112 Resp: 690670
Ion Ratio Lower Upper
112 100
114 31.7 22.9 42.5
77 61.4 50.8 76.2

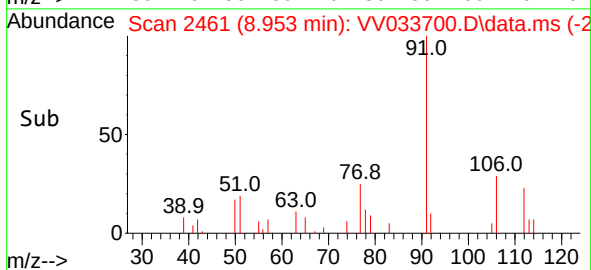
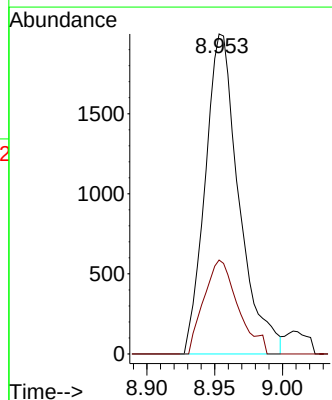
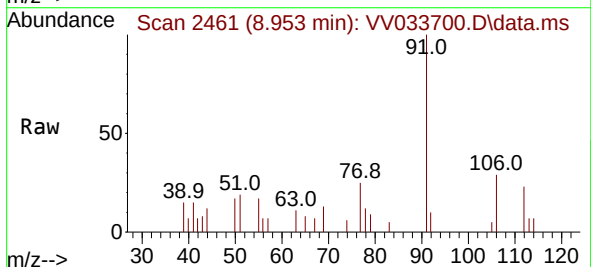
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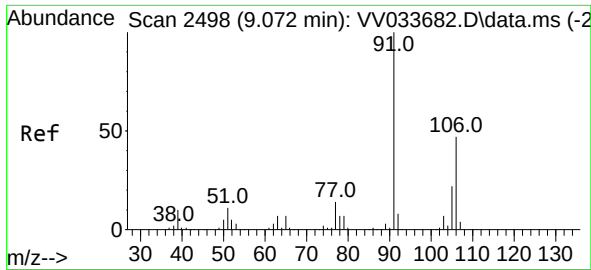
Reviewed By :Semsettin Yesilyurt 01/18/2024
Supervised By :Mahesh Dadoda 01/18/2024



#52
Ethylbenzene
Concen: 0.080 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.006 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Tgt Ion: 91 Resp: 3459
Ion Ratio Lower Upper
91 100
106 29.3 20.6 38.4





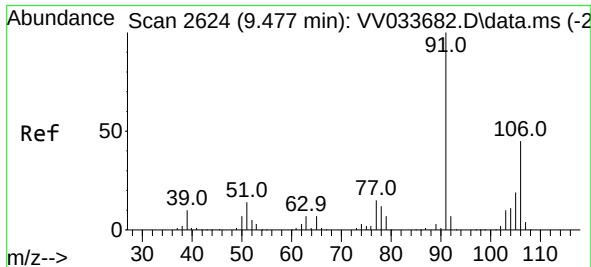
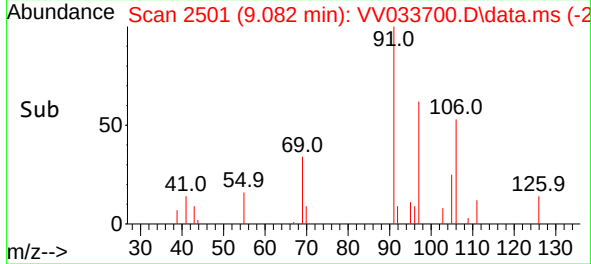
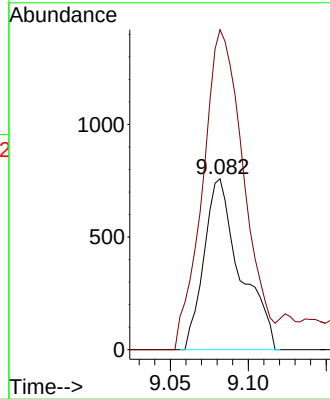
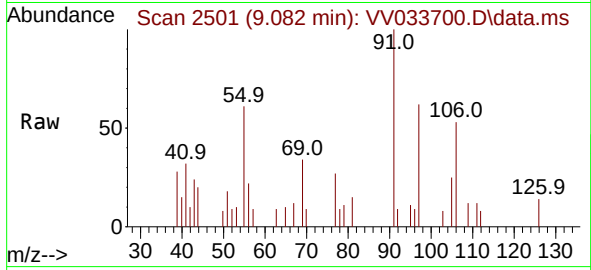
#53
m,p-Xylene
Concen: 0.077 ug/L
RT: 9.082 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Instrument :
MSVOA_V
ClientSampleId :
C0AZ2

Tgt Ion:106 Resp: 123
Ion Ratio Lower Upper
106 100
91 187.2 146.2 271.4

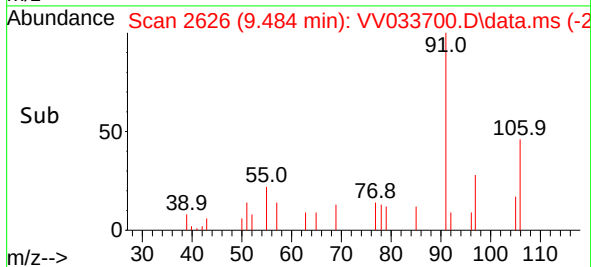
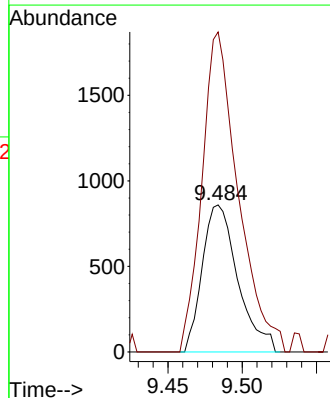
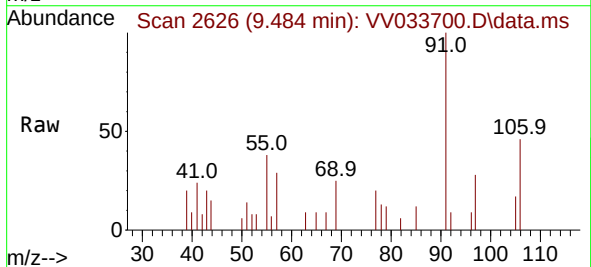
Manual Integrations
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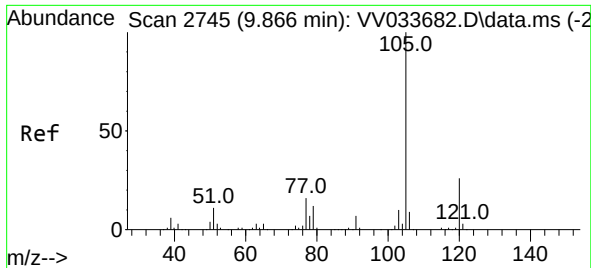
Reviewed By :Semsettin Yesilyurt 01/18/2024
Supervised By :Mahesh Dadoda 01/18/2024



#54
o-Xylene
Concen: 0.093 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.006 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Tgt Ion:106 Resp: 1433
Ion Ratio Lower Upper
106 100
91 217.7 156.0 289.6





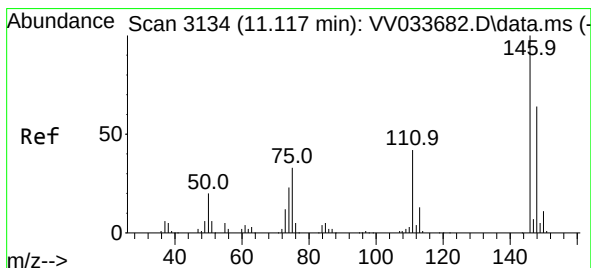
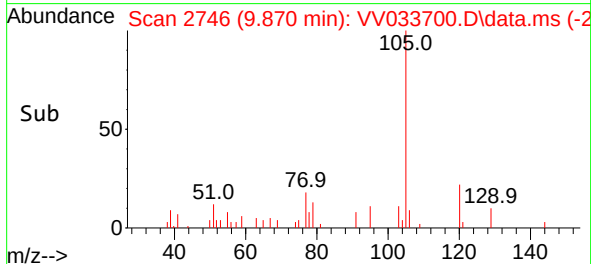
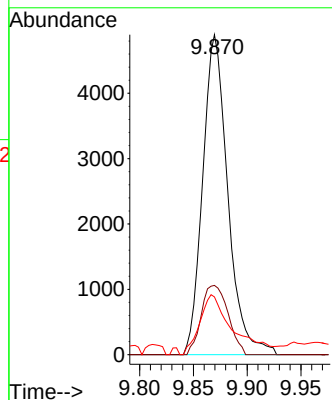
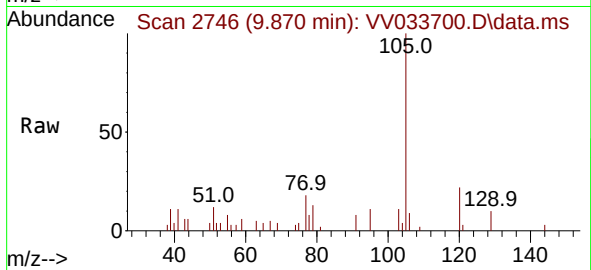
#60
Isopropylbenzene
Concen: 0.198 ug/L
RT: 9.870 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Instrument :
MSVOA_V
ClientSampleId :
C0AZ2

Tgt Ion:105 Resp: 7963
Ion Ratio Lower Upper
105 100
120 23.0 21.0 31.6
77 0.0 13.4 20.0

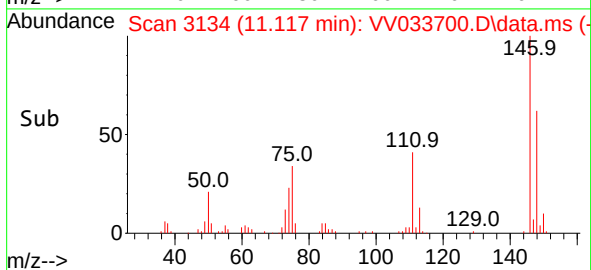
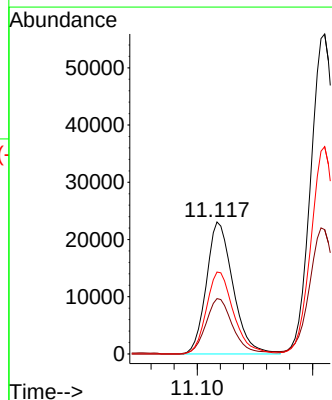
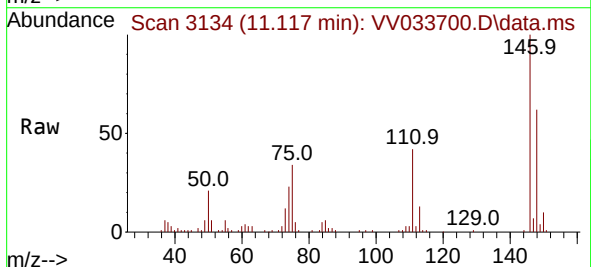
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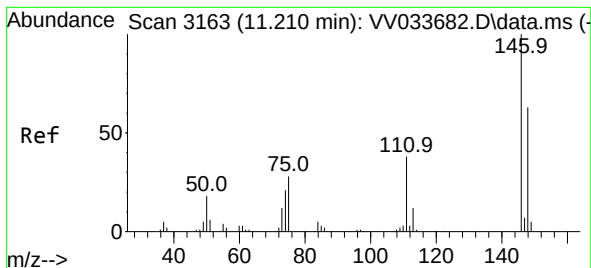
Reviewed By :Semsettin Yesilyurt 01/18/2024
Supervised By :Mahesh Dadoda 01/18/2024



#64
1,3-Dichlorobenzene
Concen: 2.080 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

Tgt Ion:146 Resp: 36943
Ion Ratio Lower Upper
146 100
111 41.9 29.2 54.2
148 62.1 44.1 81.9





#65

1,4-Dichlorobenzene

Concen: 5.167 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VV033700.D

Acq: 17 Jan 2024 03:19

Instrument :

MSVOA_V

ClientSampleId :

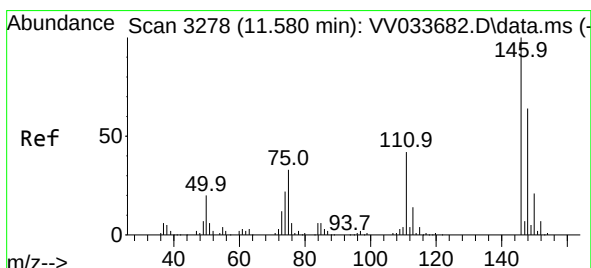
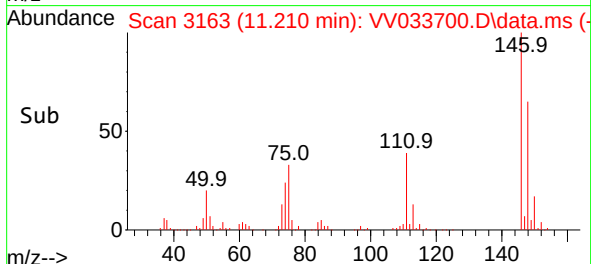
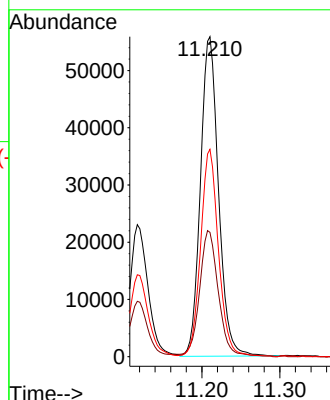
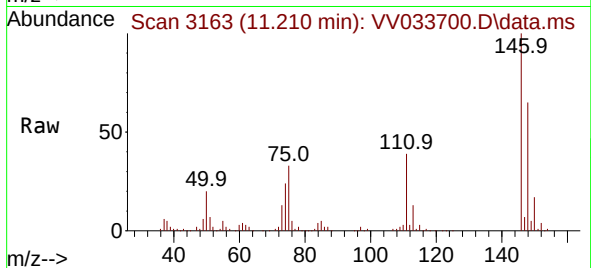
C0AZ2

Tgt Ion:	146	Resp:	8984
Ion Ratio	Lower	Upper	
146	100		
111	38.9	27.5	51.1
148	64.8	43.3	80.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/18/2024
Supervised By :Mahesh Dadoda 01/18/2024



#67

1,2-Dichlorobenzene

Concen: 4.299 ug/L

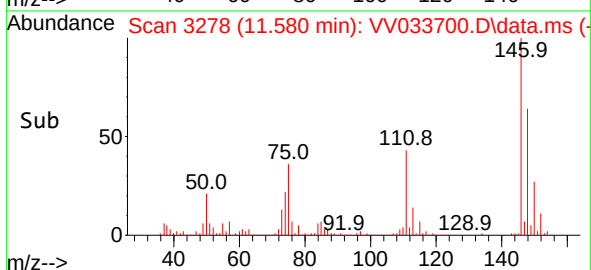
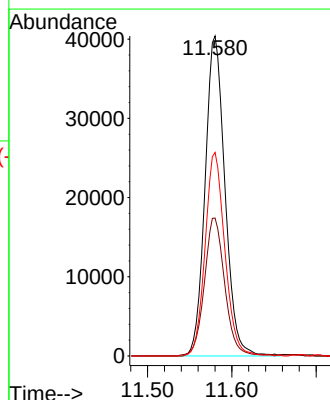
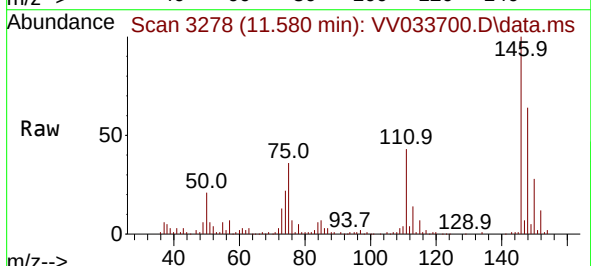
RT: 11.580 min Scan# 3278

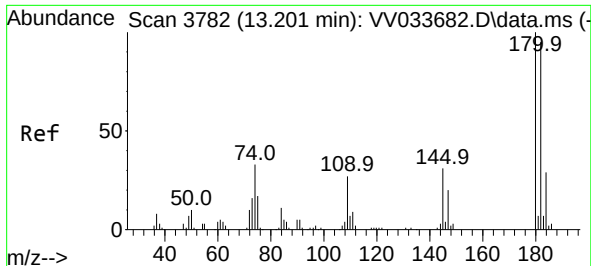
Delta R.T. -0.000 min

Lab File: VV033700.D

Acq: 17 Jan 2024 03:19

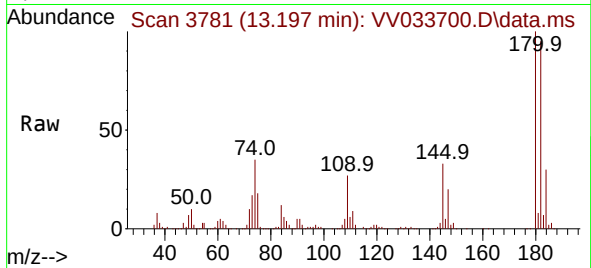
Tgt Ion:	146	Resp:	66354
Ion Ratio	Lower	Upper	
146	100		
111	43.1	36.1	54.1
148	63.6	52.2	78.2





#70
1,2,4-trichlorobenzene
Concen: 12.776 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. -0.003 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19

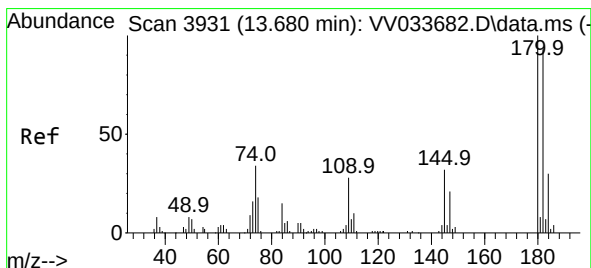
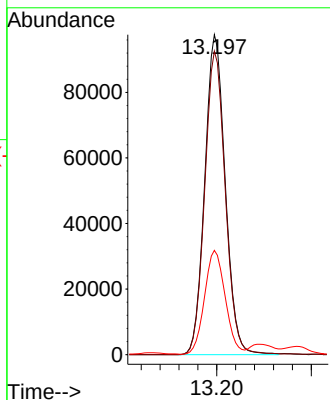
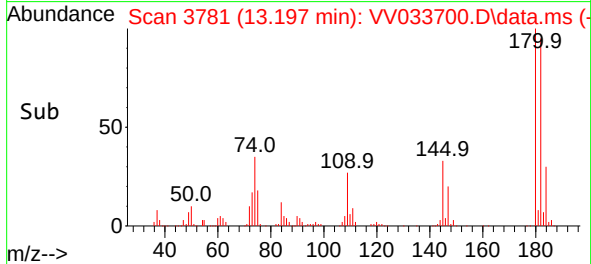
Instrument :
MSVOA_V
ClientSampleId :
C0AZ2



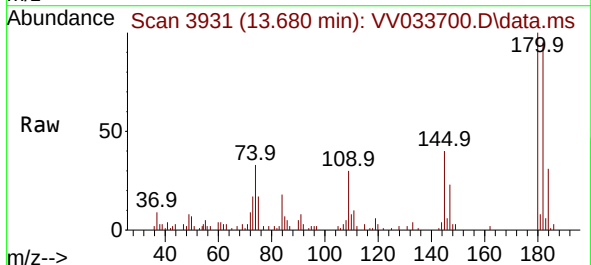
Tgt Ion:180 Resp: 146750
Ion Ratio Lower Upper
180 100
182 95.5 75.0 112.6
145 32.9 24.8 37.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/18/2024
Supervised By :Mahesh Dadoda 01/18/2024



#72
1,2,3-Trichlorobenzene
Concen: 1.852 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. -0.000 min
Lab File: VV033700.D
Acq: 17 Jan 2024 03:19



Tgt Ion:180 Resp: 17060
Ion Ratio Lower Upper
180 100
182 95.4 75.0 112.6
145 59.8 26.6 40.0#

