

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102921\
 Data File : VW023100.D
 Acq On : 29 Oct 2021 13:12
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:39:40 PM

Quant Time: Oct 30 00:43:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 30 00:25:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	261998	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	255629	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	130361	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	80706	44.697	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.400%
7) Chloroethane-d5	1.568	69	67495	47.926	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.860%
11) 1,1-Dichloroethene-d2	2.108	63	117606	34.385	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.760%
21) 2-Butanone-d5	3.876	46	142927	105.654	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.650%
24) Chloroform-d	4.349	84	181990	47.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.880%
26) 1,2-Dichloroethane-d4	5.034	65	116765	51.964	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.920%
32) Benzene-d6	5.050	84	353402	50.467	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.940%
36) 1,2-Dichloropropane-d6	6.069	67	114633	51.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.840%
41) Toluene-d8	7.317	98	312372	48.893	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.780%
43) trans-1,3-Dichloroprop...	7.622	79	52185	48.842	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.680%
47) 2-Hexanone-d5	8.088	63	99098	102.352	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.350%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	164611	50.523	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.040%
66) 1,2-Dichlorobenzene-d4	11.625	152	132149	52.553	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	4715	1.893	ug/L	97
3) Chloromethane	1.240	50	4686	1.995	ug/L	96
5) Vinyl chloride	1.310	62	4571	1.947	ug/L #	69
6) Bromomethane	1.523	94	2621	1.988	ug/L	98
8) Chloroethane	1.584	64	2940	2.057	ug/L	88
9) Trichlorofluoromethane	1.754	101	6307	1.770	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	4479	2.368	ug/L #	83
12) 1,1-Dichloroethene	2.117	96	4351	2.479	ug/L #	1
13) Acetone	2.169	43	5676	4.233	ug/L #	77
14) Carbon disulfide	2.294	76	9695	1.847	ug/L	97
15) Methyl Acetate	2.439	43	4670	2.098	ug/L	99
16) Methylene chloride	2.506	84	4664	2.075	ug/L	97
17) trans-1,2-Dichloroethene	2.764	96	3719	1.857	ug/L	99
18) Methyl tert-butyl Ether	2.770	73	11149	1.854	ug/L	97
19) 1,1-Dichloroethane	3.195	63	7192	1.927	ug/L	96
20) cis-1,2-Dichloroethene	3.918	96	4014	1.875	ug/L	99
22) 2-Butanone	4.005	43	6050m	3.959	ug/L	
23) Bromochloromethane	4.262	128	2277	1.887	ug/L	78
25) Chloroform	4.375	83	8271	2.155	ug/L	83

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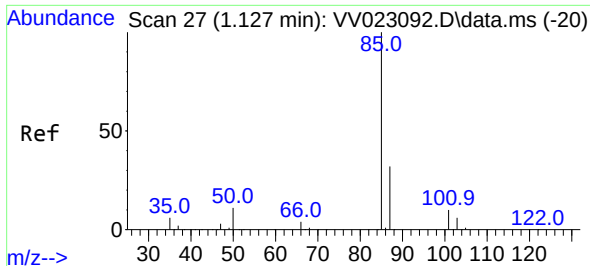
Manual Integrations
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SAM
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Quant Time: Oct 30 00:43:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 30 00:25:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	6041	2.097	ug/L	98
29) Cyclohexane	4.683	56	5070m	1.699	ug/L	
30) 1,1,1-Trichloroethane	4.609	97	6109	1.793	ug/L	97
31) Carbon tetrachloride	4.828	117	5443	1.778	ug/L	95
33) Benzene	5.111	78	15929	2.000	ug/L	100
34) Trichloroethene	5.924	95	3954	1.900	ug/L	92
35) Methylcyclohexane	6.130	83	6005m	1.852	ug/L	
37) 1,2-Dichloropropane	6.182	63	4200m	2.007	ug/L	
38) Bromodichloromethane	6.519	83	5220	1.843	ug/L	94
39) cis-1,3-Dichloropropene	7.037	75	6349m	2.000	ug/L	
40) 4-Methyl-2-pentanone	7.236	43	9116	3.377	ug/L	97
42) Toluene	7.394	91	19421	2.279	ug/L	100
44) trans-1,3-Dichloropropene	7.661	75	5773m	1.876	ug/L	
45) 1,1,2-Trichloroethane	7.847	97	4059	1.899	ug/L	95
46) Tetrachloroethene	7.979	164	3238	1.805	ug/L	94
48) 2-Hexanone	8.149	43	9626m	4.492	ug/L	
49) Dibromochloromethane	8.252	129	4508	1.846	ug/L	94
50) 1,2-Dibromoethane	8.358	107	4266	1.895	ug/L #	93
51) Chlorobenzene	8.886	112	11356	1.972	ug/L	93
52) Ethylbenzene	9.017	91	14827	1.635	ug/L	100
53) m,p-Xylene	9.146	106	5851	1.674	ug/L	94
54) o-Xylene	9.545	106	5402	1.588	ug/L	90
55) Styrene	9.567	104	8010	1.355	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.242	83	6858	2.012	ug/L #	98
59) Bromoform	9.734	173	3110	1.886	ug/L #	95
60) Isopropylbenzene	9.934	105	13514	1.623	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	5126	2.098	ug/L	96
62) 1,3,5-Trimethylbenzene	10.541	105	10685	1.558	ug/L	95
63) 1,2,4-Trimethylbenzene	10.918	105	11035	1.603	ug/L	99
64) 1,3-Dichlorobenzene	11.188	146	7181	1.706	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	8315	1.896	ug/L	96
67) 1,2-Dichlorobenzene	11.644	146	8973	2.108	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.429	75	1496	2.194	ug/L	91
69) 1,3,5-Trichlorobenzene	12.651	180	5846	1.836	ug/L	96
70) 1,2,4-trichlorobenzene	13.265	180	4897	1.774	ug/L	95
71) Naphthalene	13.506	128	14585	1.646	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	5540	1.899	ug/L	96

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



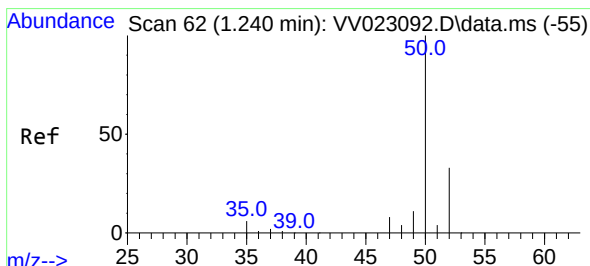
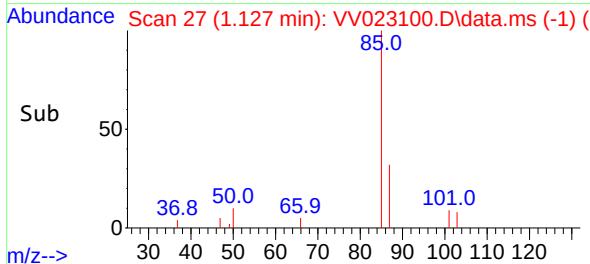
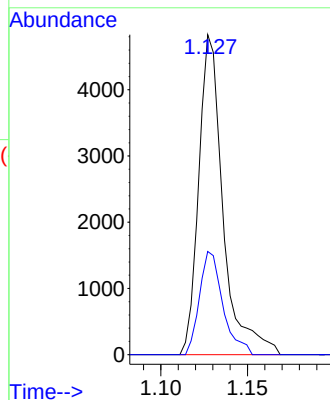
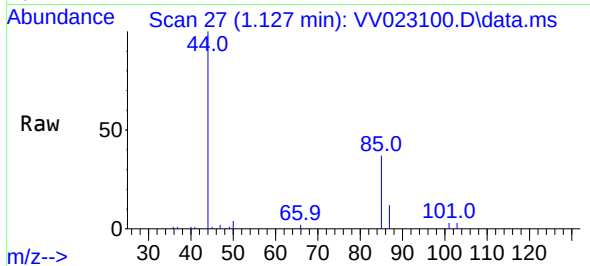
#2
 Dichlorodifluoromethane
 Concen: 1.893 ug/L
 RT: 1.127 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: VV023100.D
 Acq: 29 Oct 2021 13:12

Tgt Ion: 85 Resp: 4715
 Ion Ratio Lower Upper
 85 100
 87 31.0 26.2 39.2

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

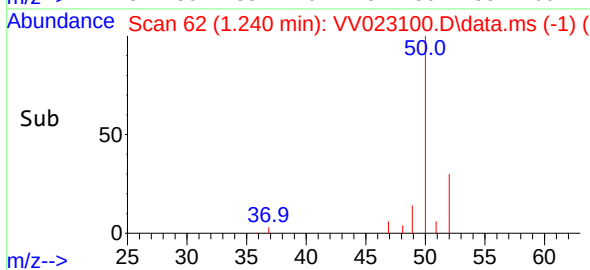
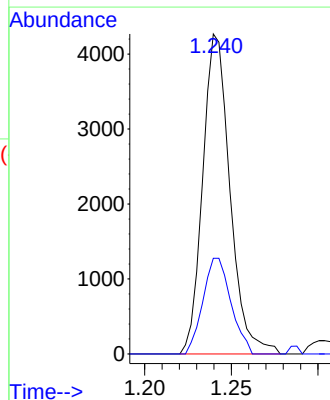
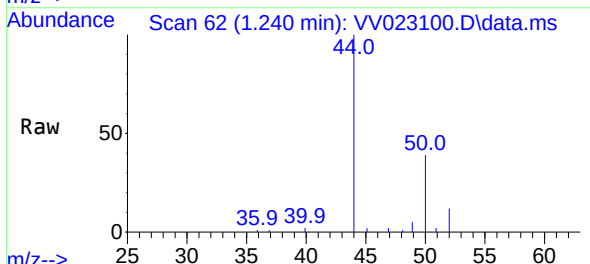
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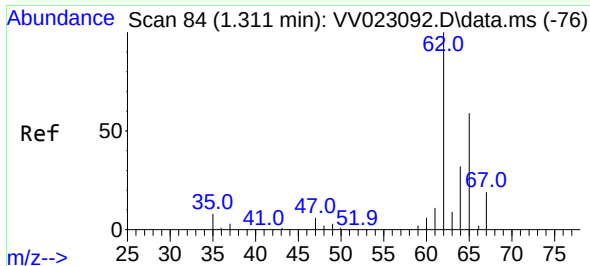
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#3
 Chloromethane
 Concen: 1.995 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV023100.D
 Acq: 29 Oct 2021 13:12

Tgt Ion: 50 Resp: 4686
 Ion Ratio Lower Upper
 50 100
 52 29.9 22.5 41.9





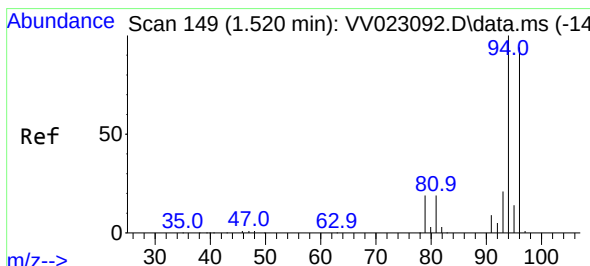
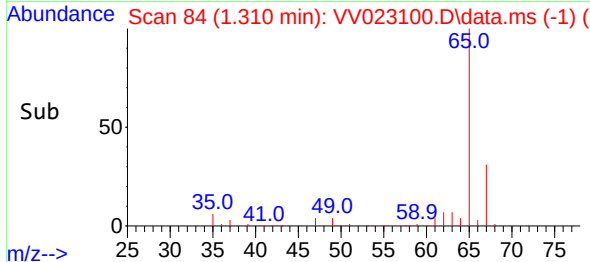
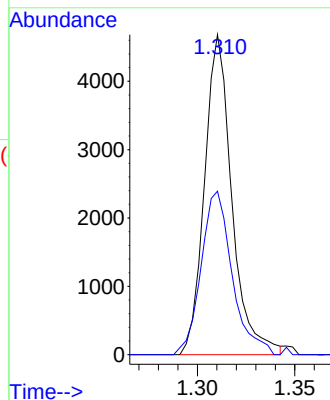
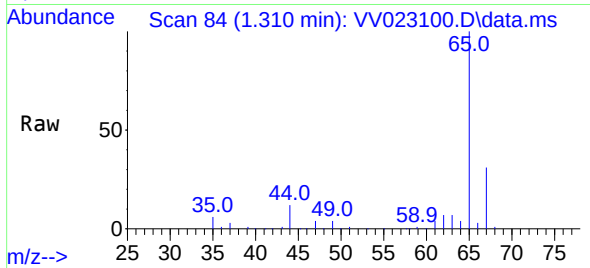
#5
 Vinyl chloride
 Concen: 1.947 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023100.D
 Acq: 29 Oct 2021 13:12

Tgt Ion: 62 Resp: 4571
 Ion Ratio Lower Upper
 62 100
 64 51.1 23.4 43.4#

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

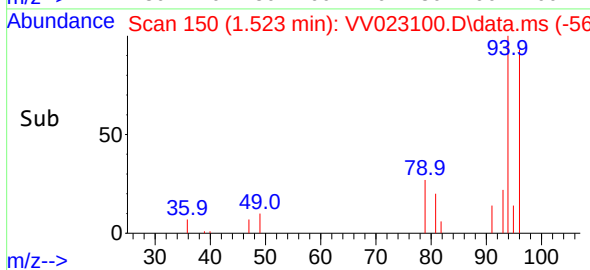
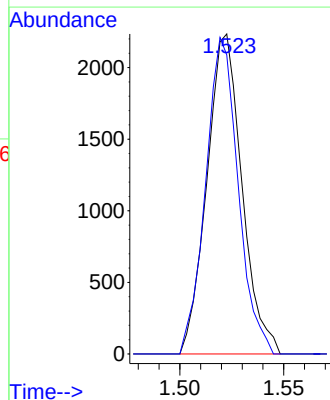
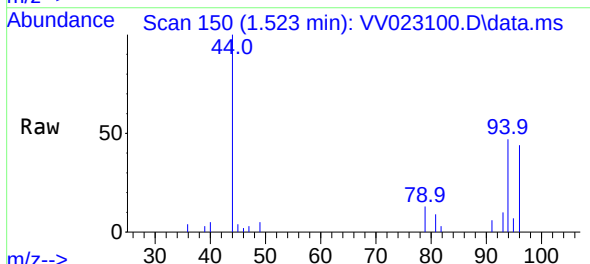
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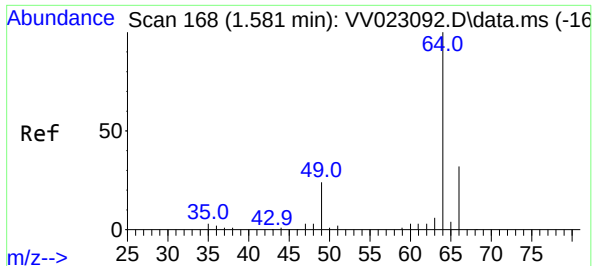
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#6
 Bromomethane
 Concen: 1.988 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV023100.D
 Acq: 29 Oct 2021 13:12

Tgt Ion: 94 Resp: 2621
 Ion Ratio Lower Upper
 94 100
 96 93.5 66.8 124.2





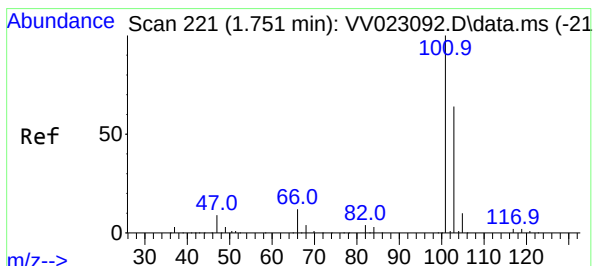
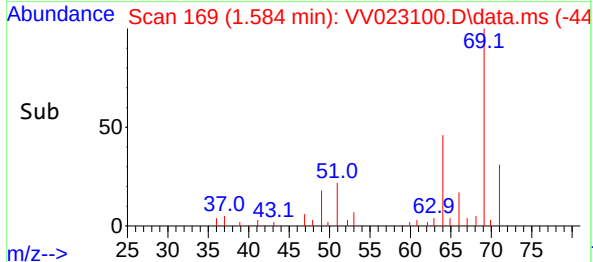
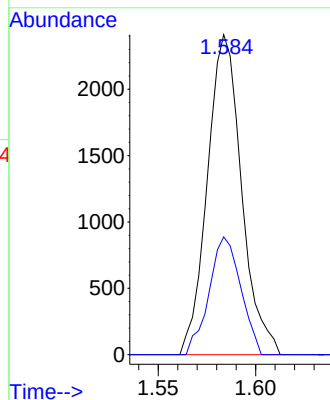
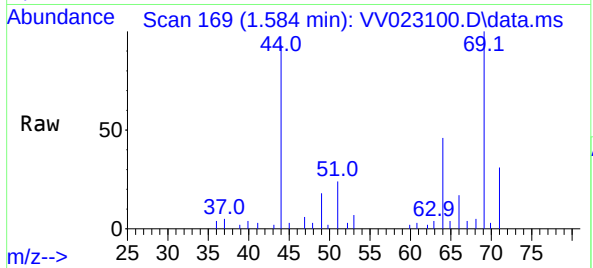
#8
Chloroethane
Concen: 2.057 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 64 Resp: 2940
Ion Ratio Lower Upper
64 100
66 36.8 21.3 39.6

Instrument :
MSVOA_V
ClientSampled :
MDL04

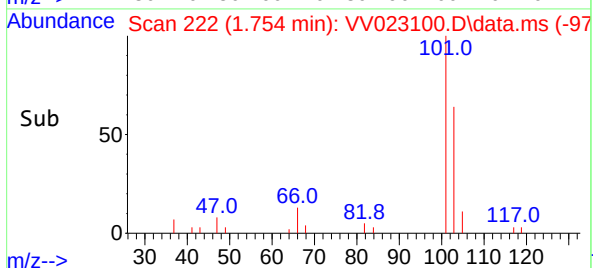
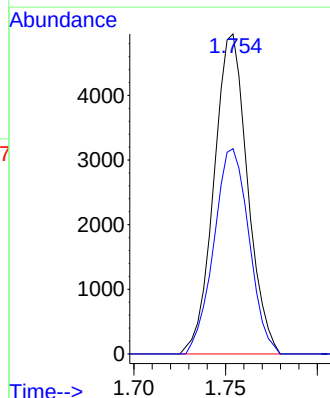
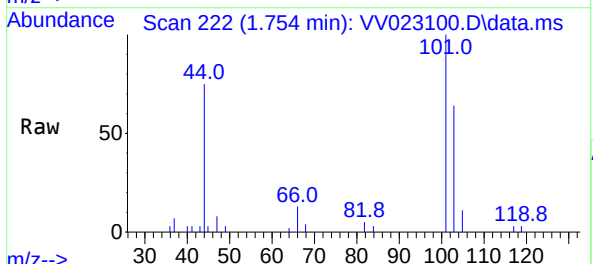
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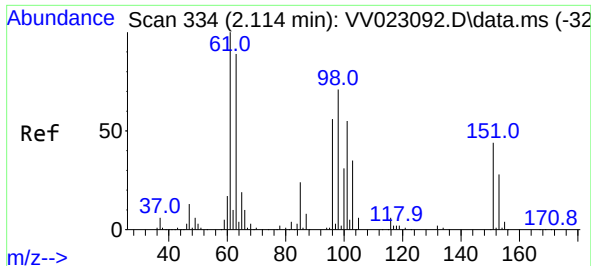
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#9
Trichlorofluoromethane
Concen: 1.770 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

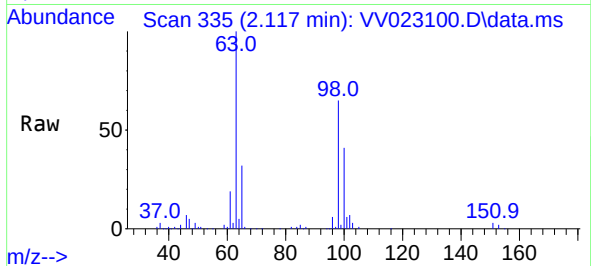
Tgt Ion: 101 Resp: 6307
Ion Ratio Lower Upper
101 100
103 67.1 52.2 78.2





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.368 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

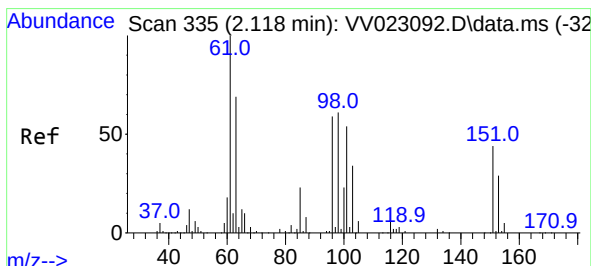
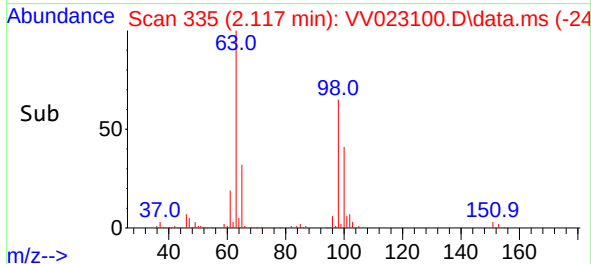
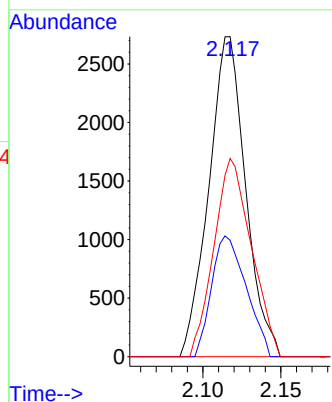
Instrument :
MSVOA_V
ClientSampled :
MDL04



Tgt Ion:101 Resp: 4479
Ion Ratio Lower Upper
101 100
85 35.5 35.1 52.7
151 63.1 63.4 95.2#

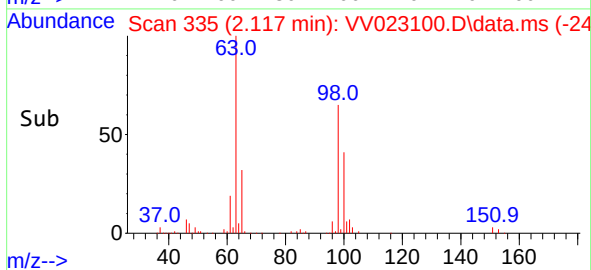
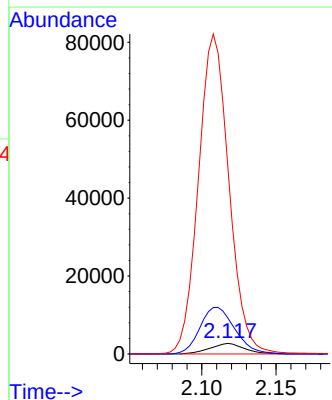
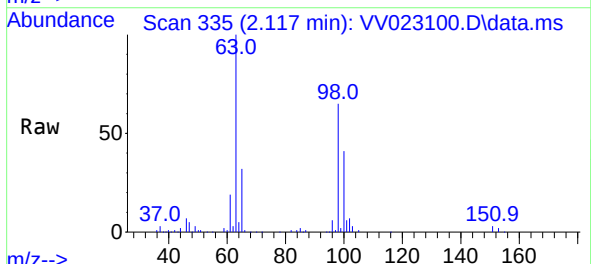
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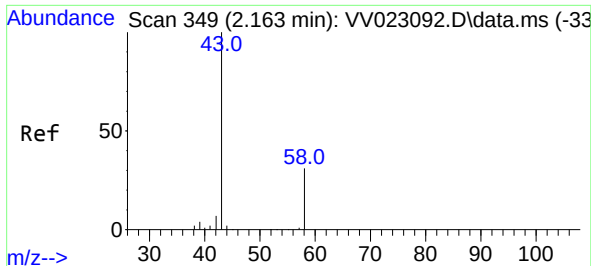
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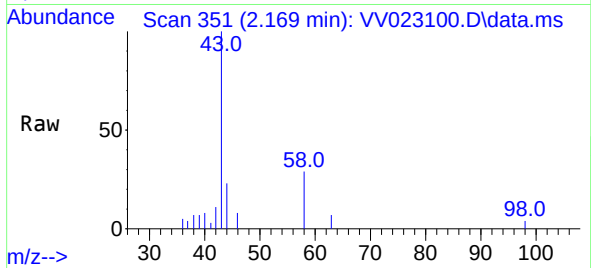
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1,1-Dichloroethene
Concen: 2.479 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 96 Resp: 4351
Ion Ratio Lower Upper
96 100
61 342.1 117.7 218.7#
63 1781.8 79.2 147.2#

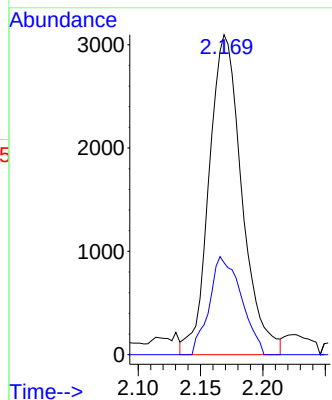




#13
Acetone
Concen: 4.233 ug/L
RT: 2.169 min Scan# 351
Delta R.T. 0.006 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12



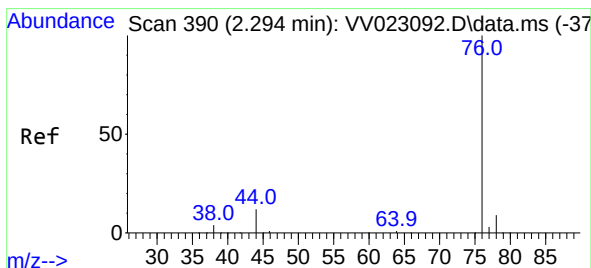
Tgt Ion: 43 Resp: 5676
Ion Ratio Lower Upper
43 100
58 29.8 0.0 0.4#



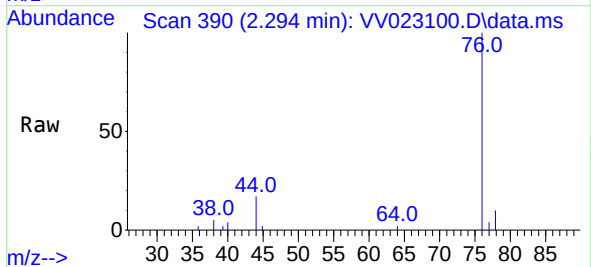
Instrument :
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ClientSampled :
MDL04

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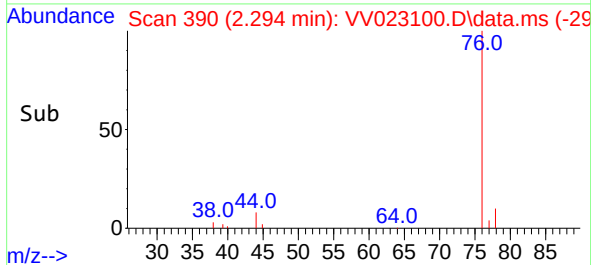
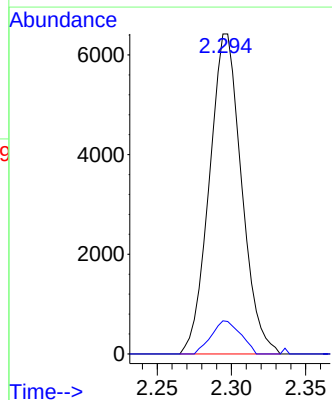
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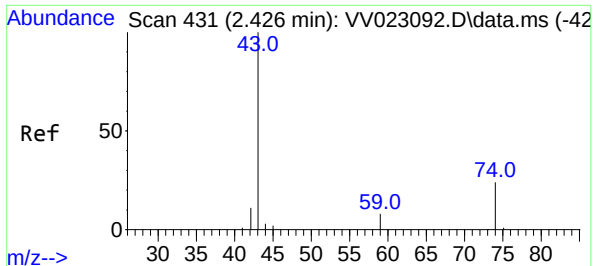


#14
Carbon disulfide
Concen: 1.847 ug/L
RT: 2.294 min Scan# 390
Delta R.T. -0.000 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12



Tgt Ion: 76 Resp: 9695
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0





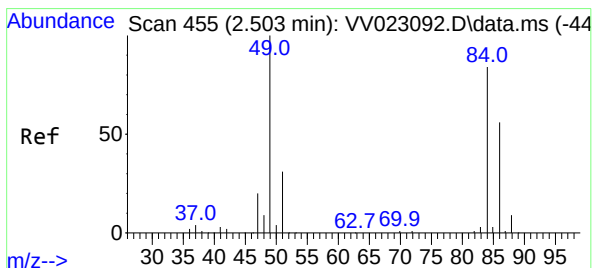
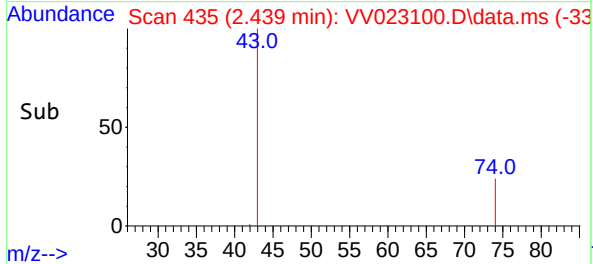
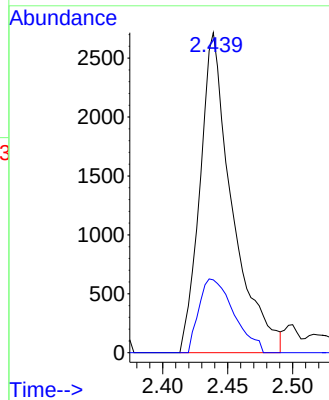
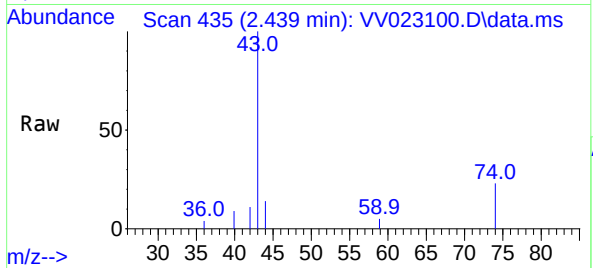
#15
Methyl Acetate
Concen: 2.098 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.013 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 43 Resp: 4670
Ion Ratio Lower Upper
43 100
74 25.0 19.4 29.2

Instrument :
MSVOA_V
ClientSampled :
MDL04

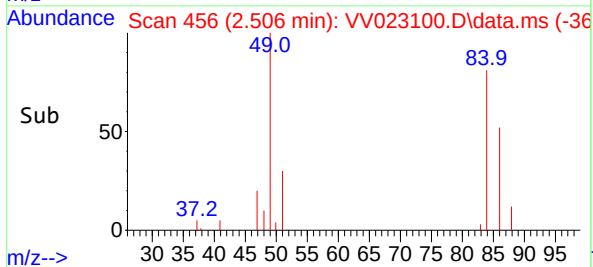
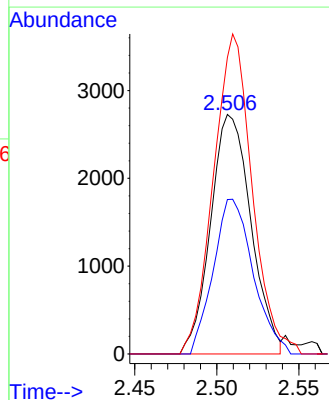
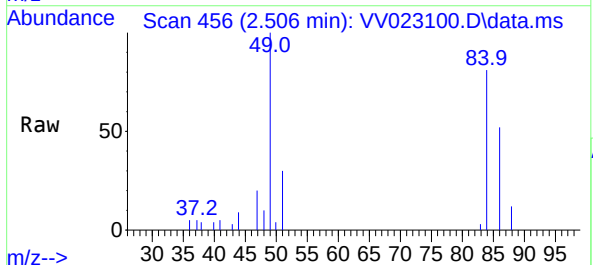
Manual Integrations
APPROVED

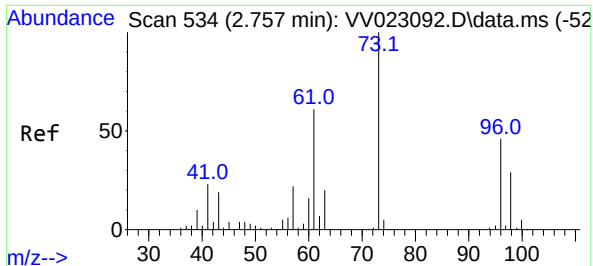
SAM
11/1/2021 6:39:40 PM



#16
Methylene chloride
Concen: 2.075 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 84 Resp: 4664
Ion Ratio Lower Upper
84 100
86 64.5 45.4 84.2
49 123.8 83.0 154.1





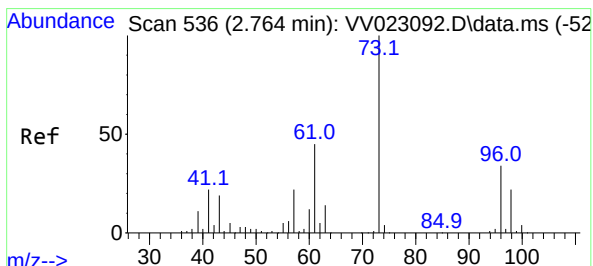
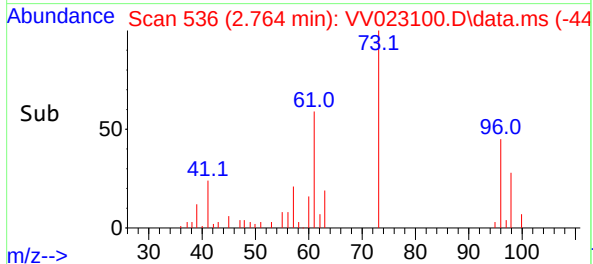
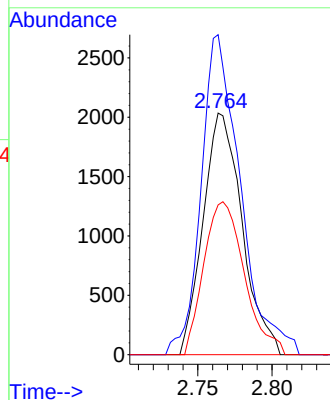
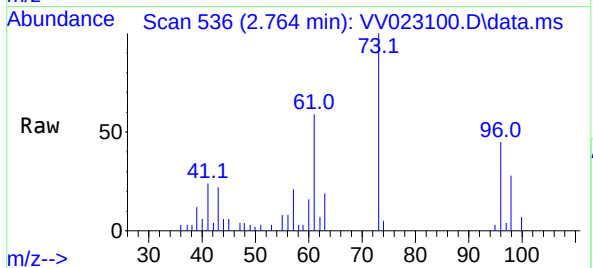
#17
trans-1,2-Dichloroethene
Concen: 1.857 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 96 Resp: 3719
Ion Ratio Lower Upper
96 100
61 132.4 92.2 171.2
98 62.0 44.1 81.9

Instrument :
MSVOA_V
ClientSampled :
MDL04

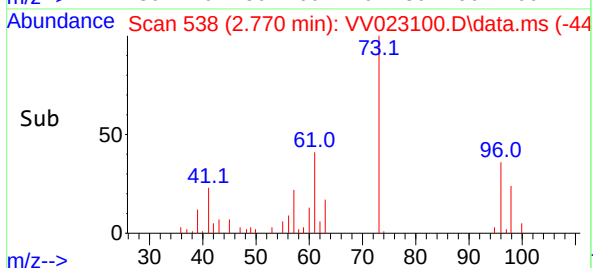
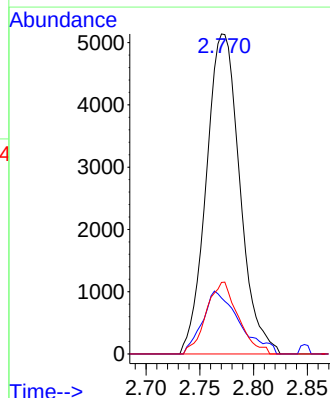
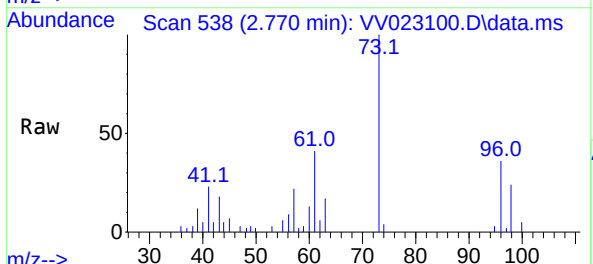
Manual Integrations
APPROVED

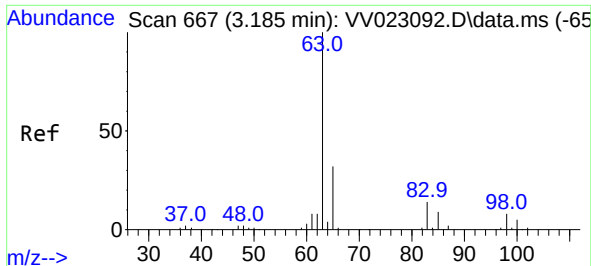
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#18
Methyl tert-butyl Ether
Concen: 1.854 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.006 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 73 Resp: 11149
Ion Ratio Lower Upper
73 100
43 20.7 14.9 22.3
57 21.1 17.6 26.4





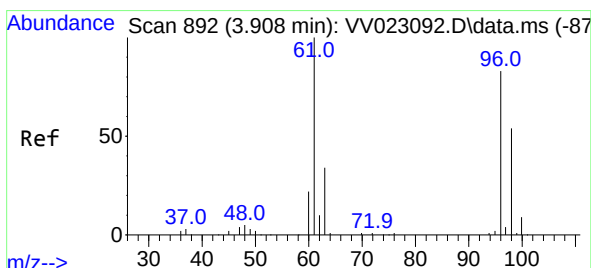
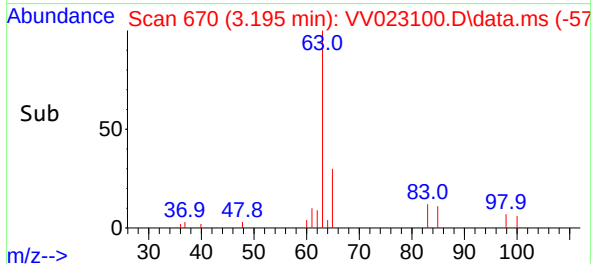
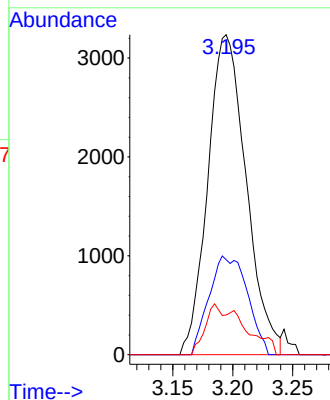
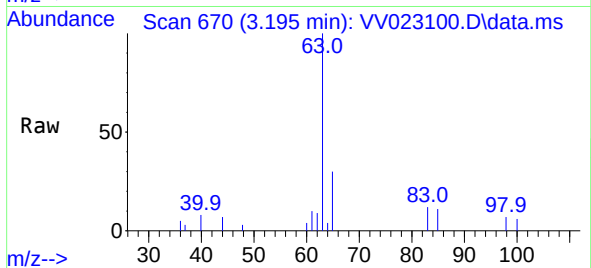
#19
1,1-Dichloroethane
Concen: 1.927 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.009 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	63	Resp:	7192
Ion	Ratio	Lower	Upper
63	100		
65	29.7	22.3	41.5
83	12.4	9.8	18.2

Instrument :
MSVOA_V
ClientSampled :
MDL04

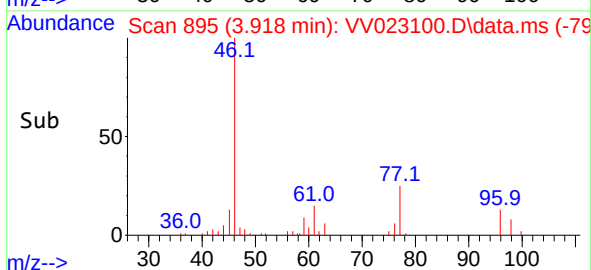
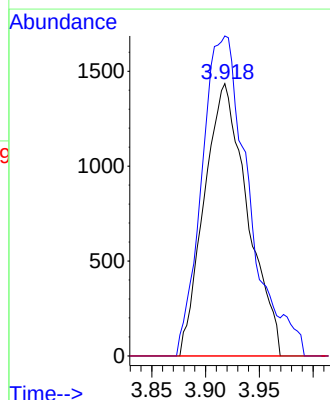
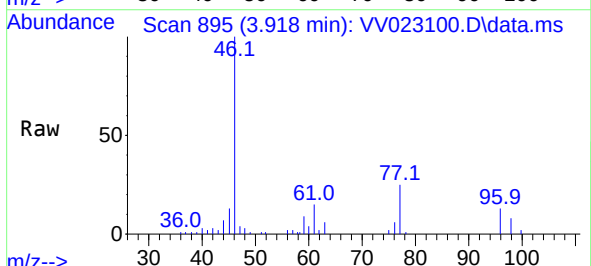
Manual Integrations
APPROVED

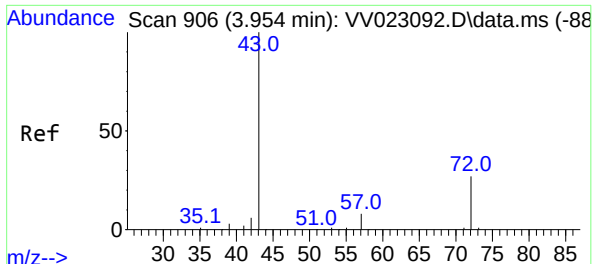
SAM
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#20
cis-1,2-Dichloroethene
Concen: 1.875 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.009 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	96	Resp:	4014
Ion	Ratio	Lower	Upper
96	100		
61	117.5	83.0	154.1
68	0.0	0.0	0.0





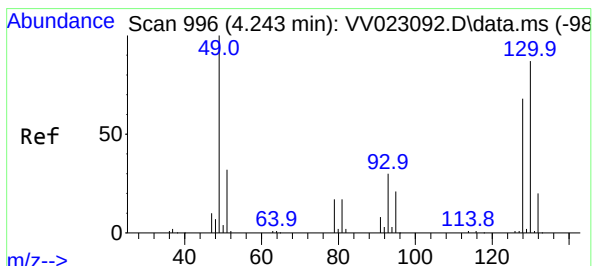
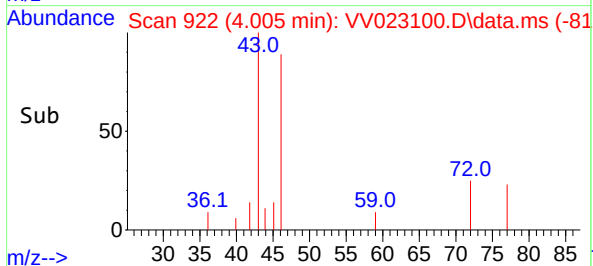
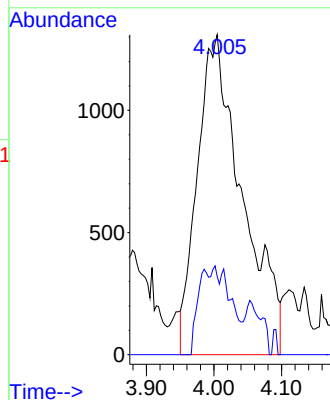
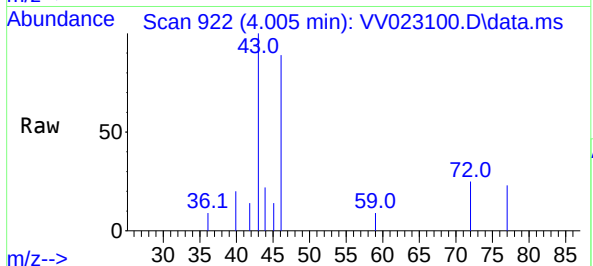
#22
2-Butanone
Concen: 3.959 ug/L m
RT: 4.005 min Scan# 922
Delta R.T. 0.051 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 43 Resp: 6050
Ion Ratio Lower Upper
43 100
72 6.8 13.4 40.1#

Instrument :
MSVOA_V
ClientSampled :
MDL04

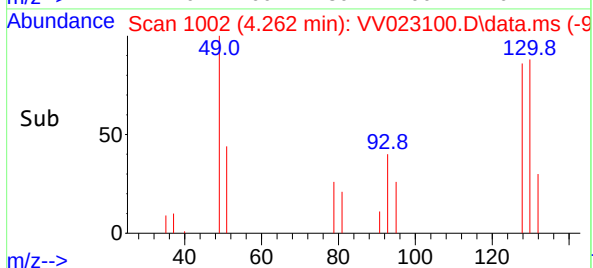
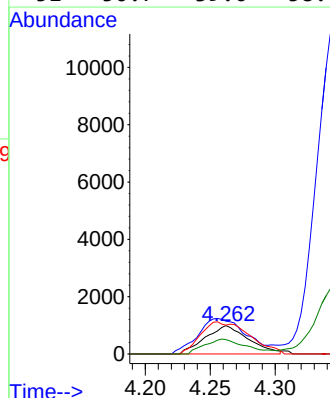
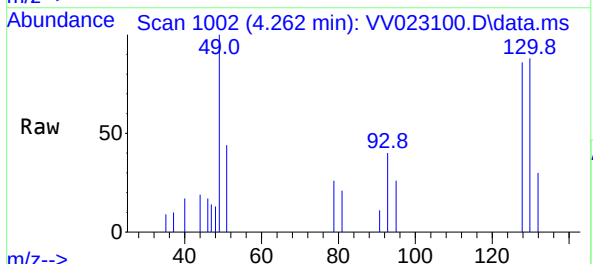
Manual Integrations
APPROVED

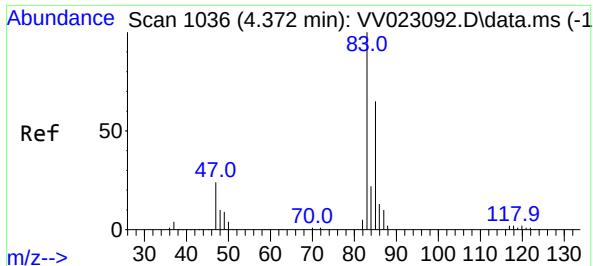
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11/1/2021 6:39:40 PM



#23
Bromochloromethane
Concen: 1.887 ug/L
RT: 4.262 min Scan# 1002
Delta R.T. 0.019 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:128 Resp: 2277
Ion Ratio Lower Upper
128 100
49 115.7 104.7 194.4
130 101.6 89.7 166.7
51 50.7 39.0 58.4





#25

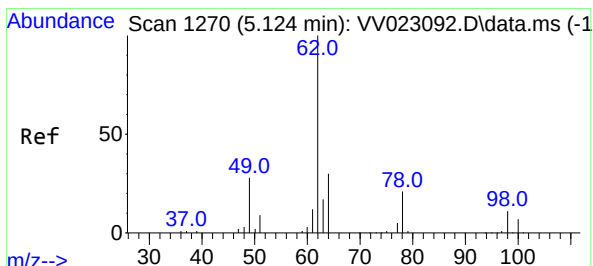
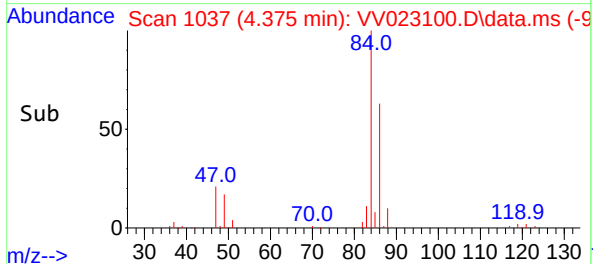
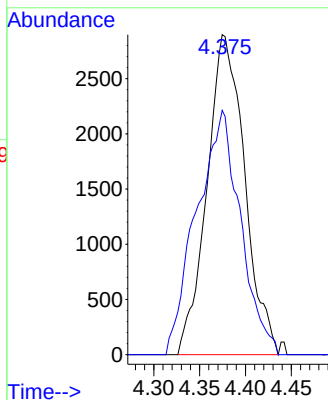
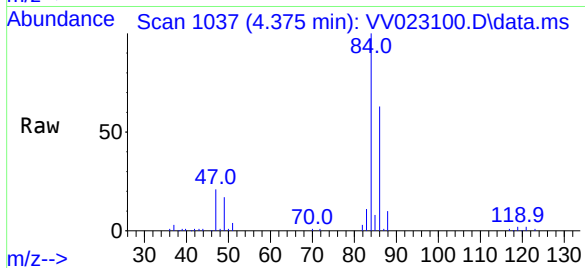
Chloroform
Concen: 2.155 ug/L
RT: 4.375 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 83 Resp: 8271
Ion Ratio Lower Upper
83 100
85 76.4 44.4 82.4

Instrument :
MSVOA_V
ClientSampled :
MDL04

Manual Integrations
APPROVED

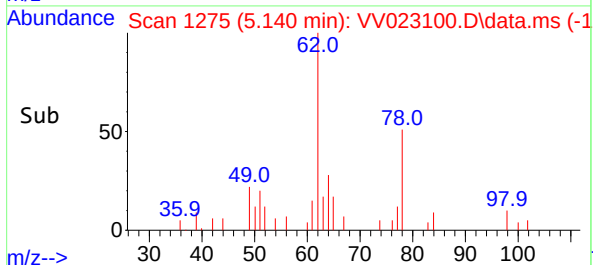
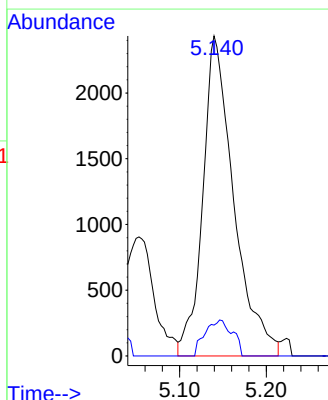
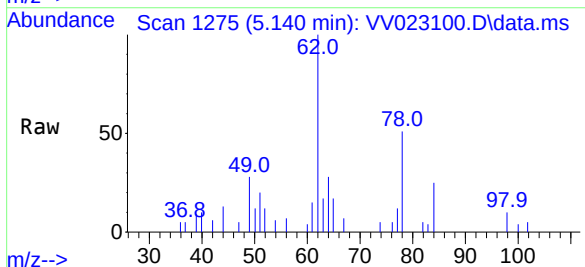
SAM
11/1/2021 6:39:40 PM

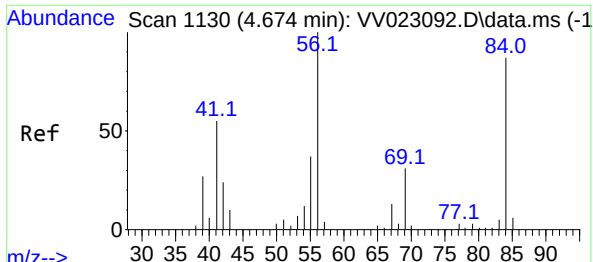


#27

1,2-Dichloroethane
Concen: 2.097 ug/L
RT: 5.140 min Scan# 1275
Delta R.T. 0.016 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 62 Resp: 6041
Ion Ratio Lower Upper
62 100
98 9.7 8.2 12.4





#29

Cyclohexane

Concen: 1.699 ug/L m

RT: 4.683 min Scan# 1133

Delta R.T. 0.009 min

Lab File: VV023100.D

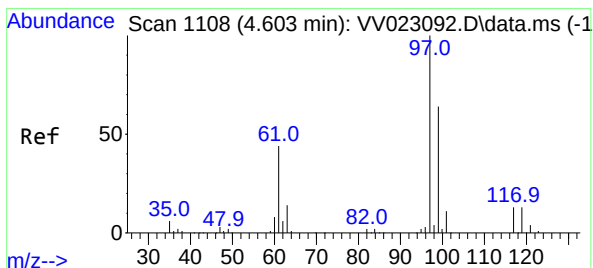
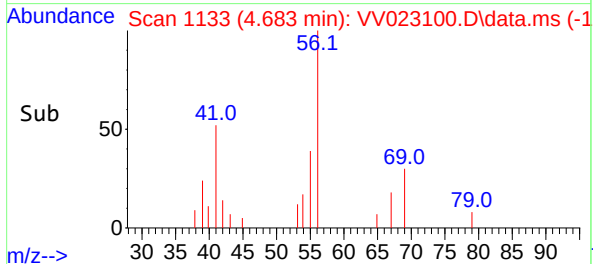
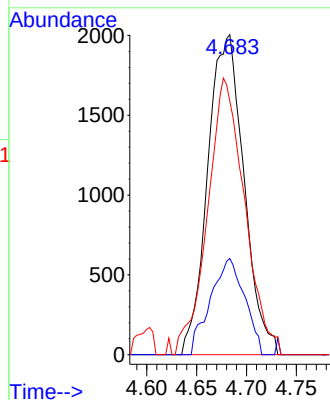
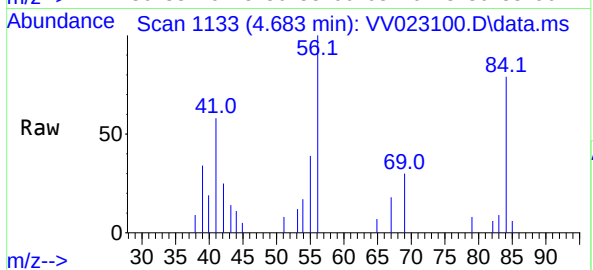
Acq: 29 Oct 2021 13:12

Tgt Ion: 56	Resp: 5070
Ion Ratio	Lower Upper
56 100	
69 0.0	24.6 36.8#
84 0.0	72.8 109.2#

Instrument :
MSVOA_V
ClientSampled :
MDL04

Manual Integrations
APPROVED

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#30

1,1,1-Trichloroethane

Concen: 1.793 ug/L

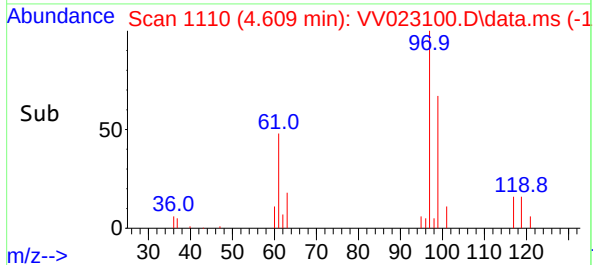
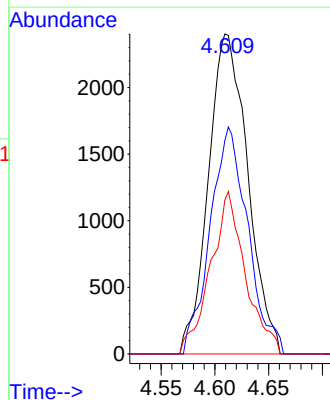
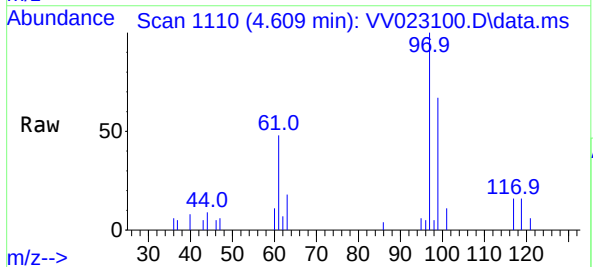
RT: 4.609 min Scan# 1110

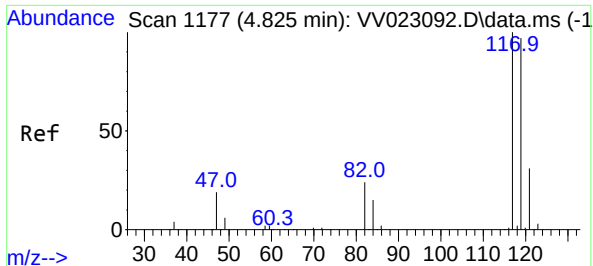
Delta R.T. 0.006 min

Lab File: VV023100.D

Acq: 29 Oct 2021 13:12

Tgt Ion: 97	Resp: 6109
Ion Ratio	Lower Upper
97 100	
99 66.4	51.9 77.9
61 44.9	33.8 50.6





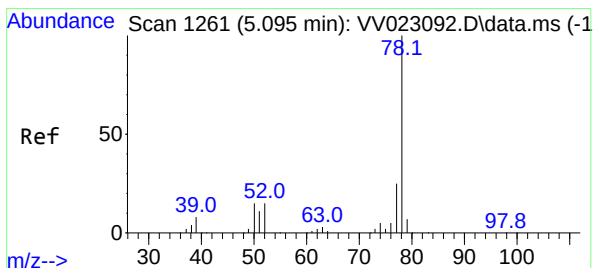
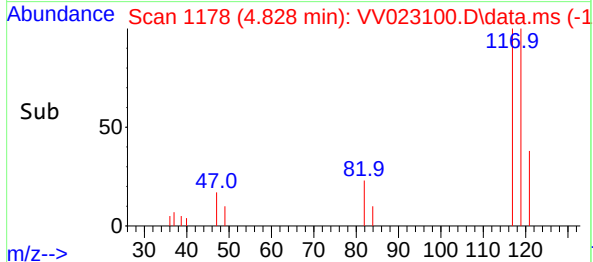
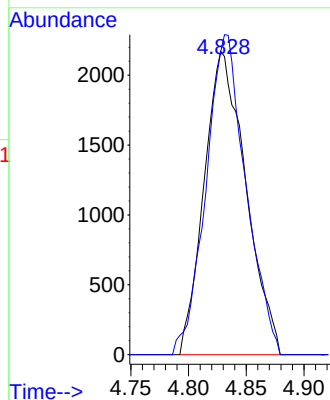
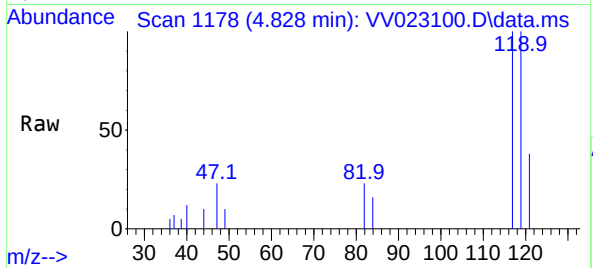
#31
Carbon tetrachloride
Concen: 1.778 ug/L
RT: 4.828 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 117 Resp: 5443
Ion Ratio Lower Upper
117 100
119 100.8 77.0 115.4

Instrument :
MSVOA_V
ClientSampled :
MDL04

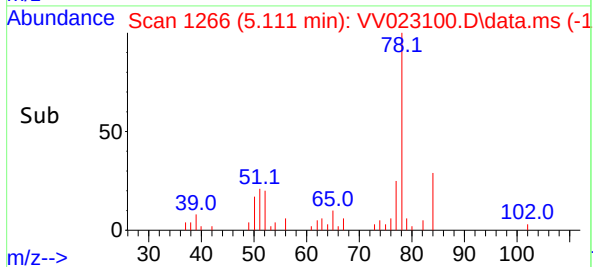
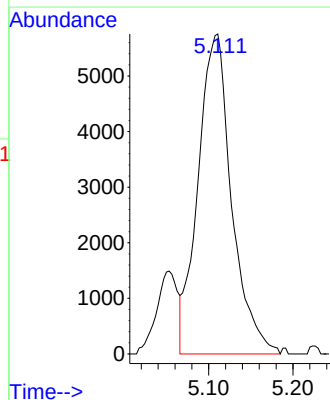
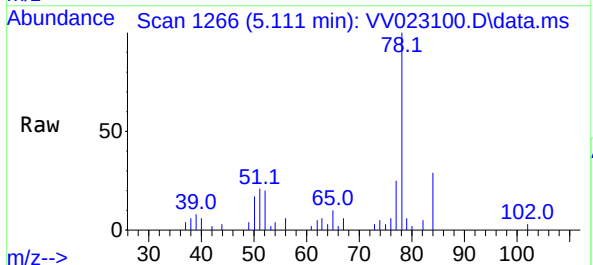
Manual Integrations
APPROVED

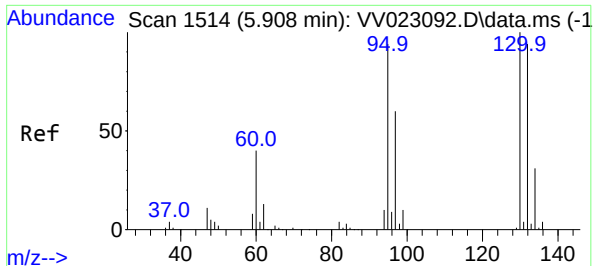
SAM
11/1/2021 6:39:40 PM



#33
Benzene
Concen: 2.000 ug/L
RT: 5.111 min Scan# 1266
Delta R.T. 0.016 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 78 Resp: 15929





#34

Trichloroethene

Concen: 1.900 ug/L

RT: 5.924 min Scan# 1519

Delta R.T. 0.016 min

Lab File: VV023100.D

Acq: 29 Oct 2021 13:12

Tgt Ion: 95 Resp: 3954

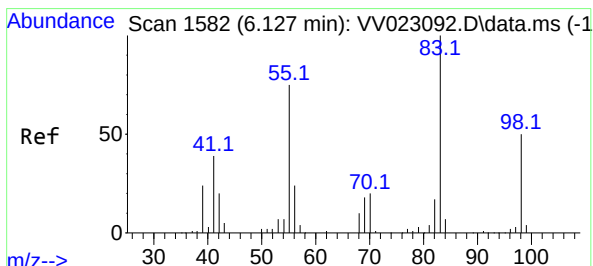
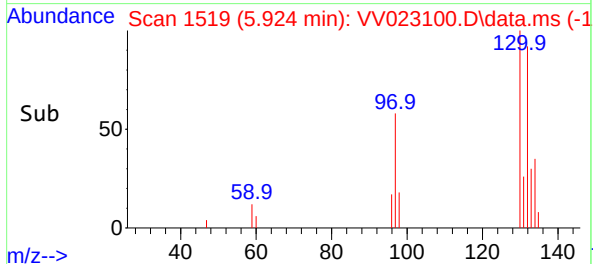
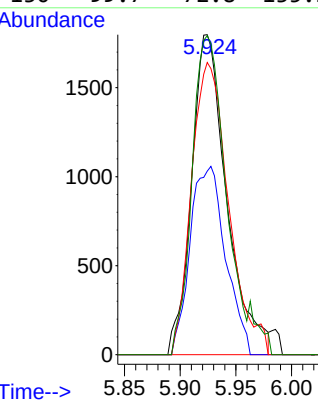
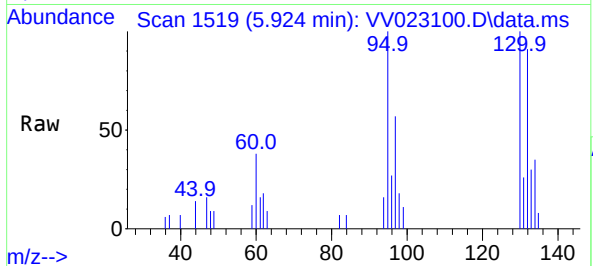
Ion Ratio Lower Upper

95 100

97 57.3 44.4 82.5

132 91.3 71.5 132.9

130 99.7 72.8 135.2



#35

Methylcyclohexane

Concen: 1.852 ug/L m

RT: 6.130 min Scan# 1583

Delta R.T. 0.003 min

Lab File: VV023100.D

Acq: 29 Oct 2021 13:12

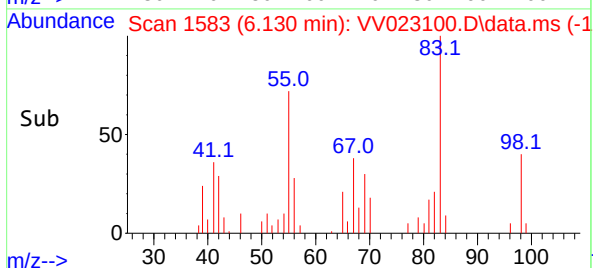
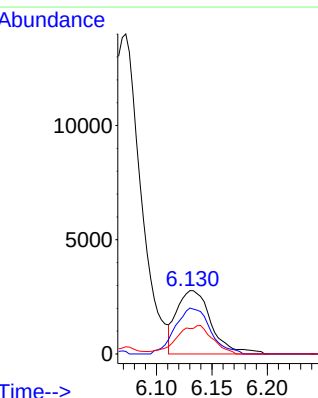
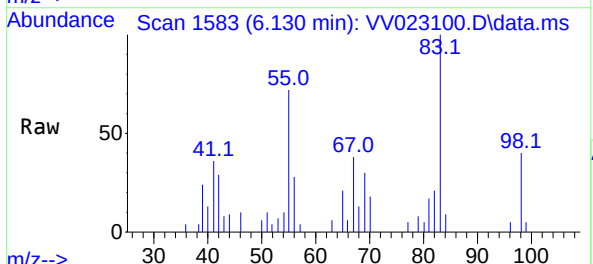
Tgt Ion: 83 Resp: 6005

Ion Ratio Lower Upper

83 100

55 73.8 60.1 90.1

98 16.6 41.2 61.8#



Instrument :

MSVOA_V

ClientSampled :

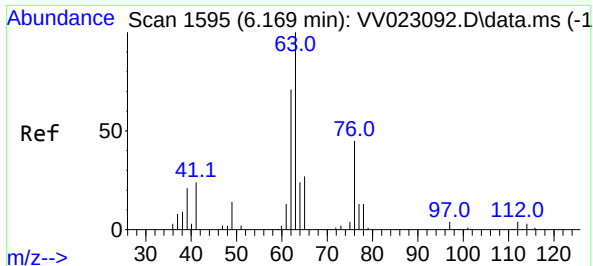
MDL04

Manual Integrations

APPROVED

SAM

11/1/2021 6:39:40 PM



#37

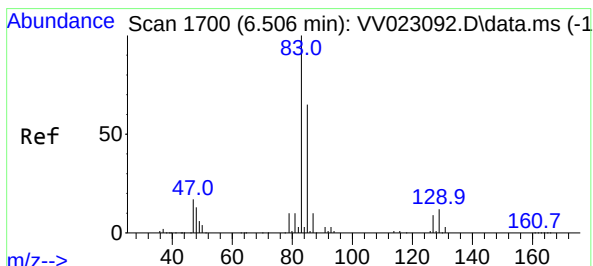
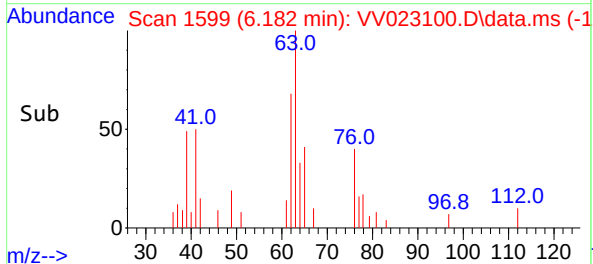
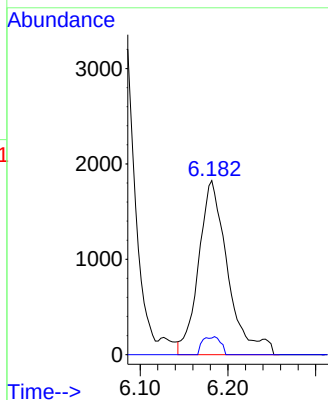
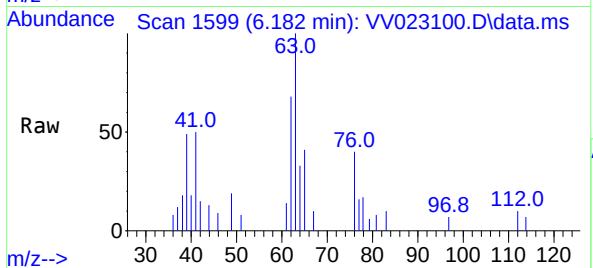
1,2-Dichloropropane
Concen: 2.007 ug/L m
RT: 6.182 min Scan# 1599
Delta R.T. 0.013 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 63 Resp: 4200
Ion Ratio Lower Upper
63 100
112 2.9 3.8 5.8#

Instrument :
MSVOA_V
ClientSampled :
MDL04

Manual Integrations
APPROVED

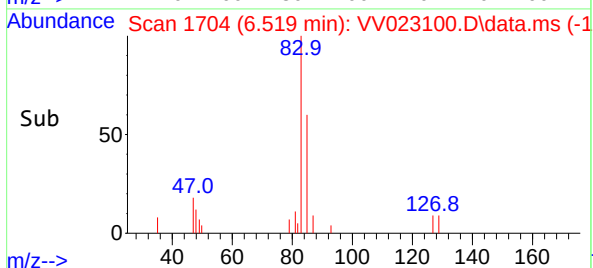
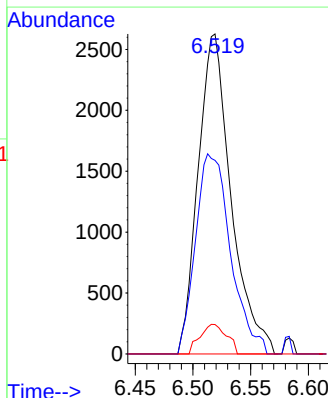
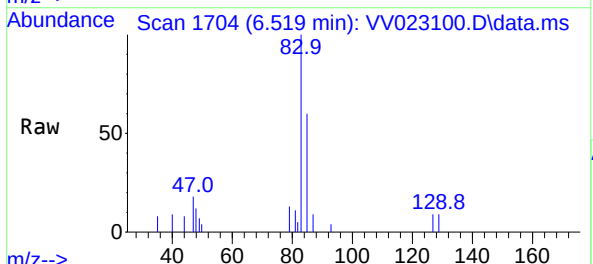
SAM
11/1/2021 6:39:40 PM

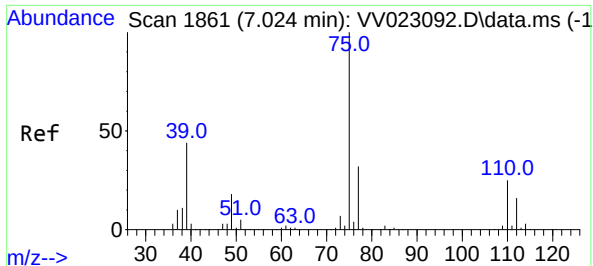


#38

Bromodichloromethane
Concen: 1.843 ug/L
RT: 6.519 min Scan# 1704
Delta R.T. 0.013 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 83 Resp: 5220
Ion Ratio Lower Upper
83 100
85 60.5 46.1 85.5
127 9.2 7.4 11.0





#39

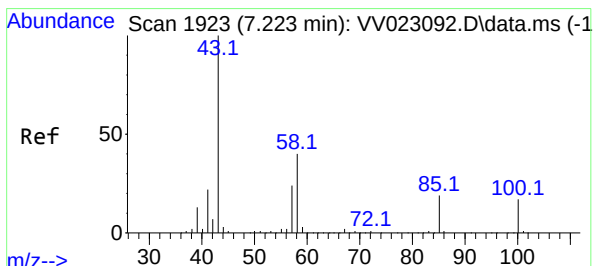
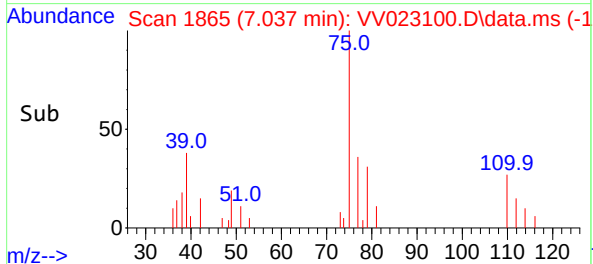
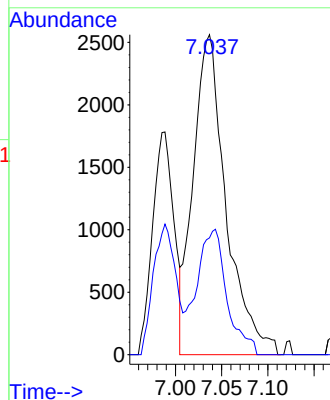
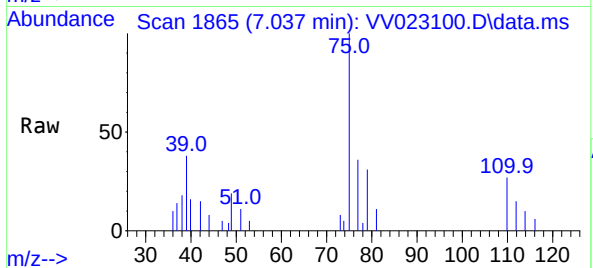
cis-1,3-Dichloropropene
Concen: 2.000 ug/L m
RT: 7.037 min Scan# 1865
Delta R.T. 0.013 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 75 Resp: 6349
Ion Ratio Lower Upper
75 100
77 36.5 21.8 40.6

Instrument :
MSVOA_V
ClientSampled :
MDL04

Manual Integrations
APPROVED

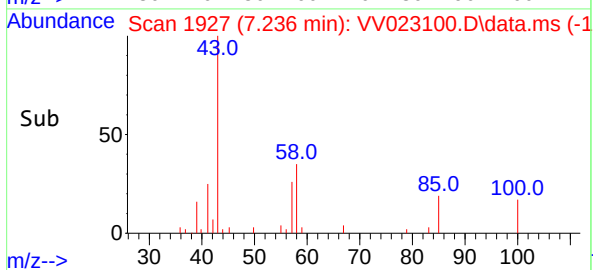
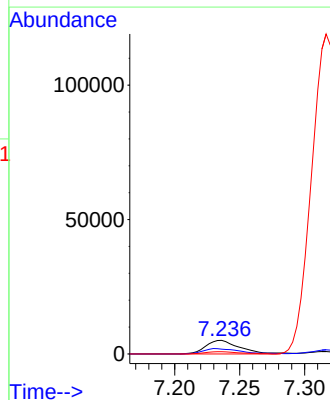
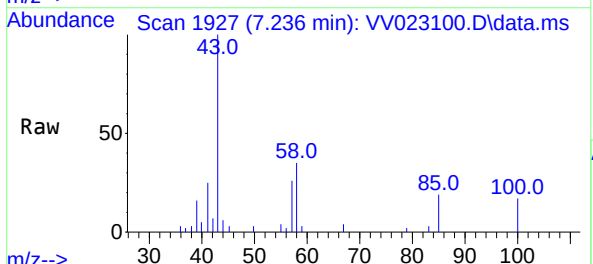
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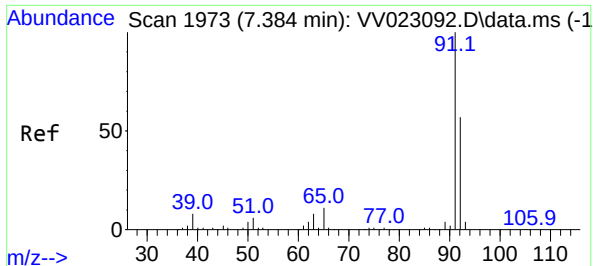


#40

4-Methyl-2-pentanone
Concen: 3.377 ug/L
RT: 7.236 min Scan# 1927
Delta R.T. 0.013 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 43 Resp: 9116
Ion Ratio Lower Upper
43 100
58 43.0 32.4 48.6
100 17.1 13.4 20.2





#42

Toluene

Concen: 2.279 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.009 min

Lab File: VV023100.D

Acq: 29 Oct 2021 13:12

Tgt Ion: 91 Resp: 19421

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4

Instrument :

MSVOA_V

ClientSampled :

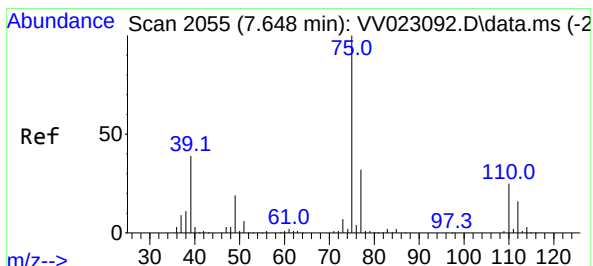
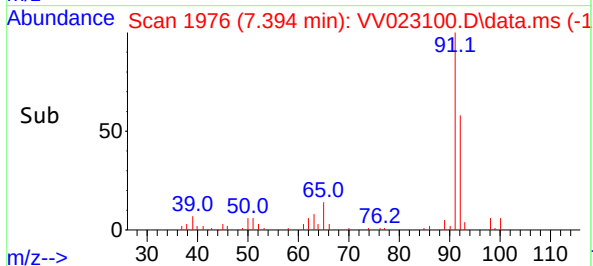
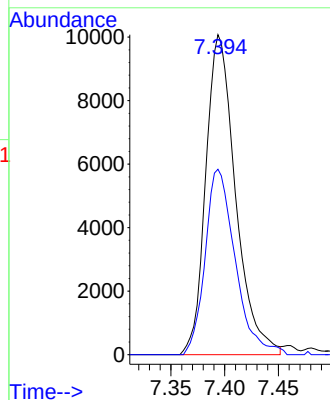
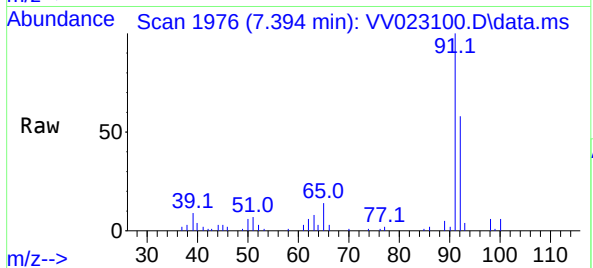
MDL04

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 1.876 ug/L m

RT: 7.661 min Scan# 2059

Delta R.T. 0.013 min

Lab File: VV023100.D

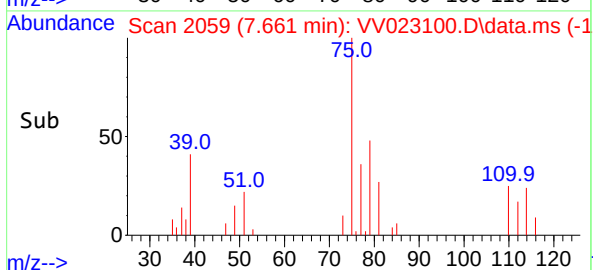
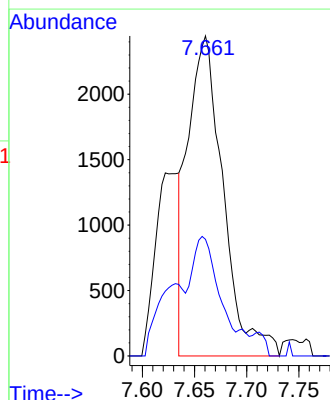
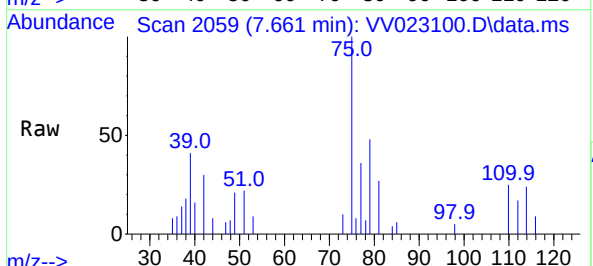
Acq: 29 Oct 2021 13:12

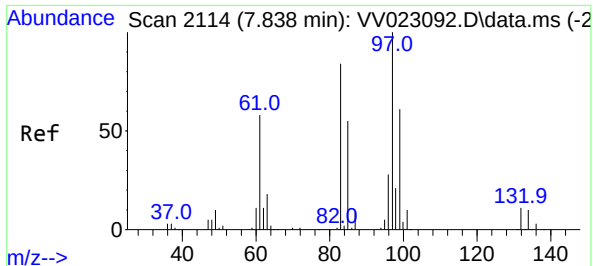
Tgt Ion: 75 Resp: 5773

Ion Ratio Lower Upper

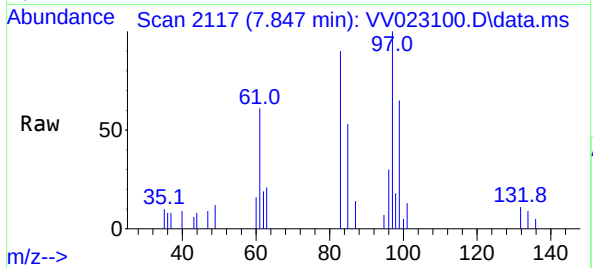
75 100

77 36.5 21.4 39.8



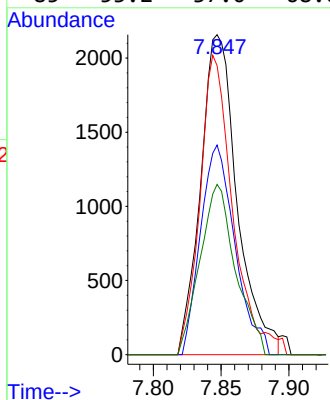


#45
1,1,2-Trichloroethane
Concen: 1.899 ug/L
RT: 7.847 min Scan# 2117
Delta R.T. 0.009 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12



Tgt Ion: 97 Resp: 4059

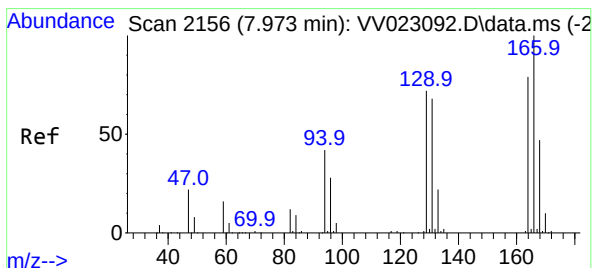
Ion	Ratio	Lower	Upper
97	100		
99	65.5	44.2	82.2
83	90.4	57.7	107.1
85	53.2	37.0	68.6



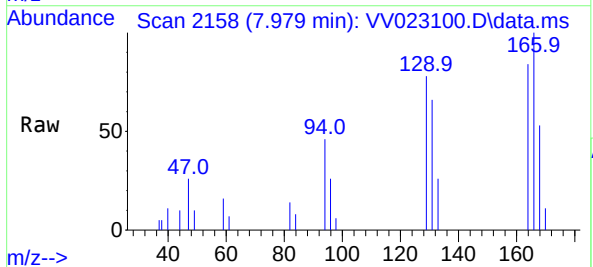
Instrument :
MSVOA_V
ClientSampled :
MDL04

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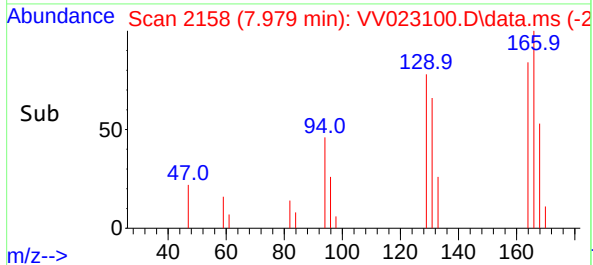
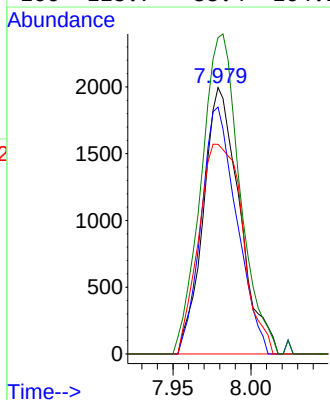


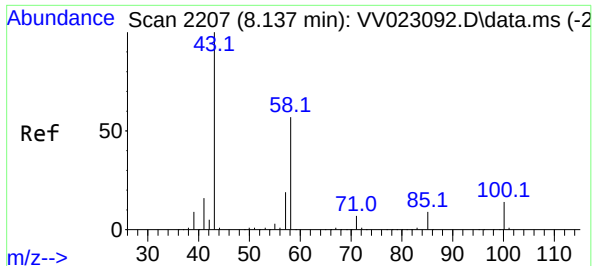
#46
Tetrachloroethene
Concen: 1.805 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12



Tgt Ion: 164 Resp: 3238

Ion	Ratio	Lower	Upper
164	100		
129	92.7	64.6	120.0
131	78.7	62.9	116.7
166	118.7	88.4	164.2





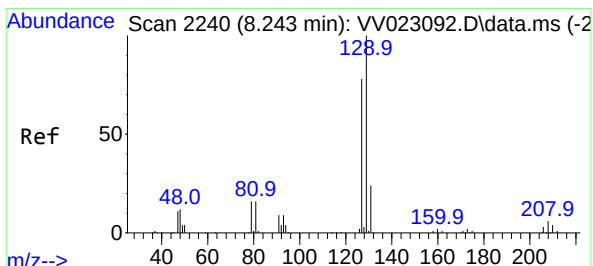
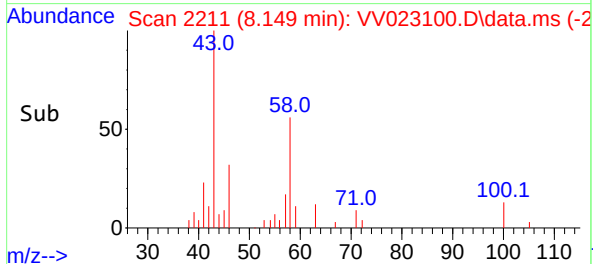
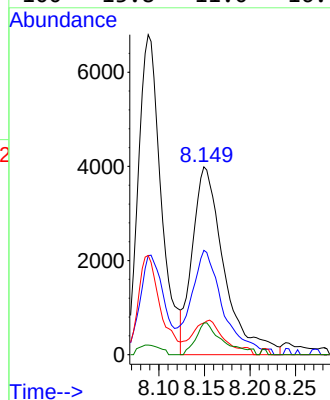
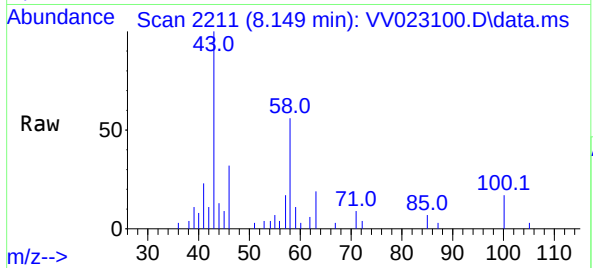
#48
2-Hexanone
Concen: 4.492 ug/L m
RT: 8.149 min Scan# 2211
Delta R.T. 0.013 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	43	Resp:	9626
Ion	Ratio	Lower	Upper
43	100		
58	54.1	45.6	68.4
57	12.4	15.4	23.0#
100	13.8	11.0	16.4

Instrument :
MSVOA_V
ClientSampled :
MDL04

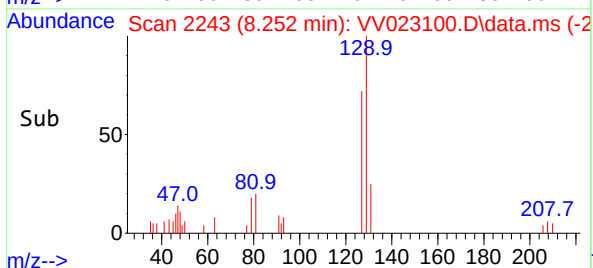
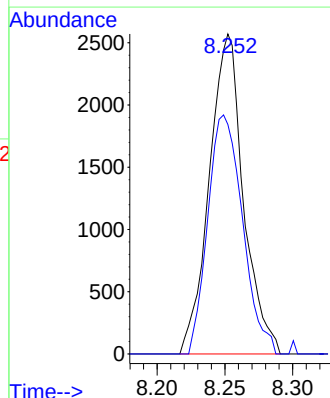
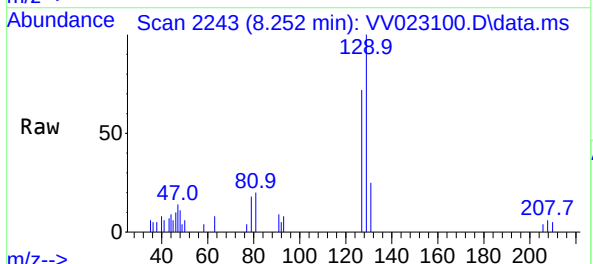
Manual Integrations
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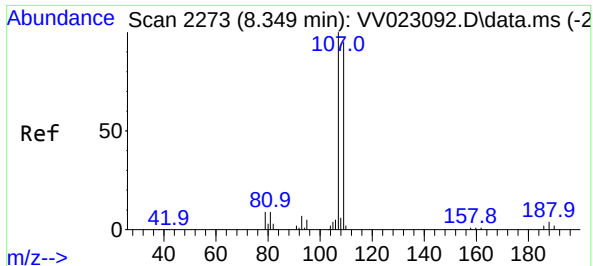
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#49
Dibromochloromethane
Concen: 1.846 ug/L
RT: 8.252 min Scan# 2243
Delta R.T. 0.009 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	129	Resp:	4508
Ion	Ratio	Lower	Upper
129	100		
127	71.7	53.9	100.1





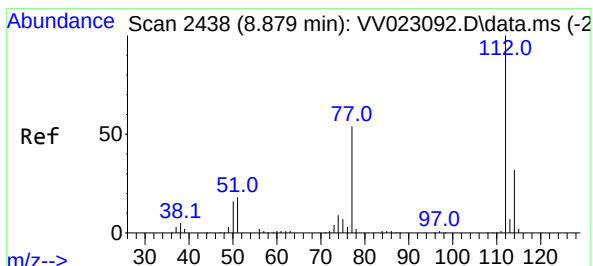
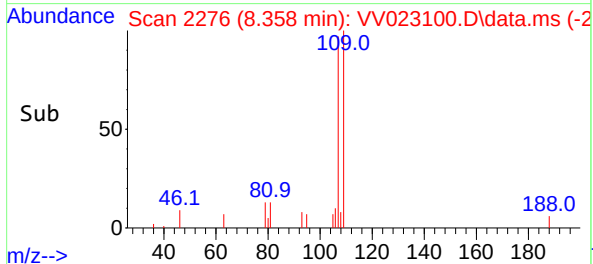
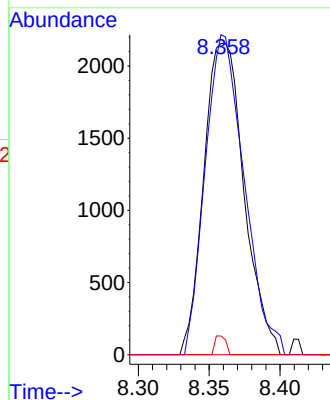
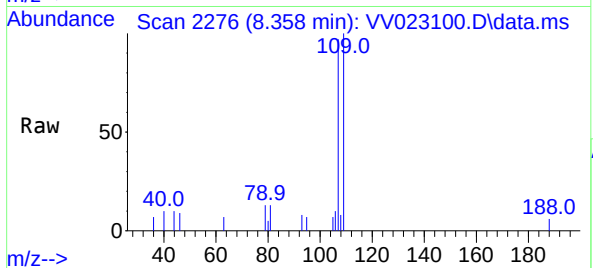
#50
1,2-Dibromoethane
Concen: 1.895 ug/L
RT: 8.358 min Scan# 2276
Delta R.T. 0.009 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	107	Resp:	4266
Ion	Ratio	Lower	Upper
107	100		
109	102.8	67.3	124.9
188	6.0	3.3	4.9#

Instrument :
MSVOA_V
ClientSampled :
MDL04

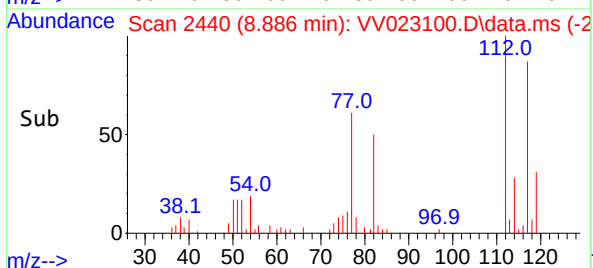
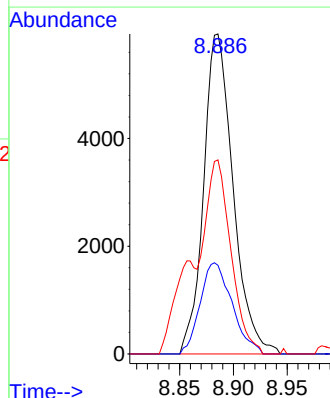
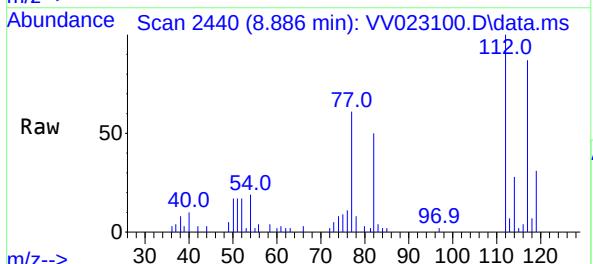
Manual Integrations
APPROVED

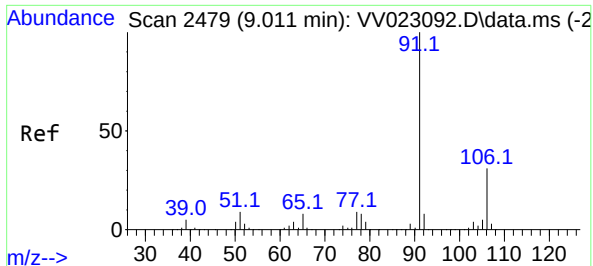
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#51
Chlorobenzene
Concen: 1.972 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.006 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	112	Resp:	11356
Ion	Ratio	Lower	Upper
112	100		
114	27.7	22.2	41.2
77	60.7	44.6	67.0





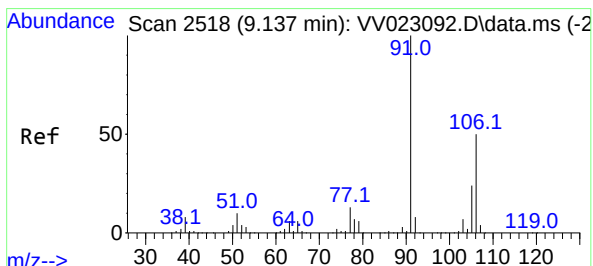
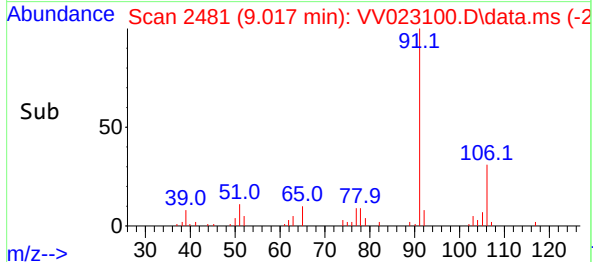
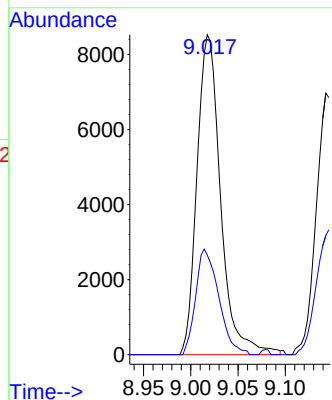
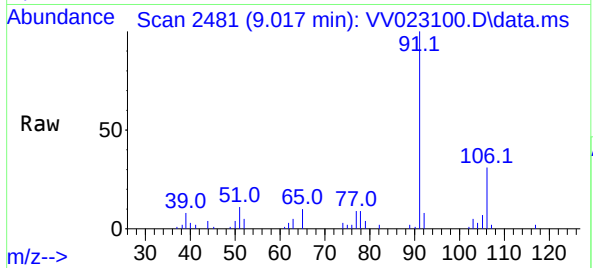
#52
Ethylbenzene
Concen: 1.635 ug/L
RT: 9.017 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 91 Resp: 14827
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.4

Instrument :
MSVOA_V
ClientSampled :
MDL04

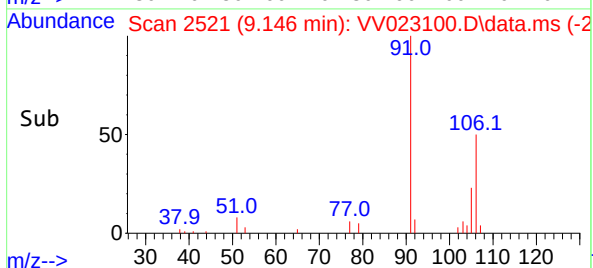
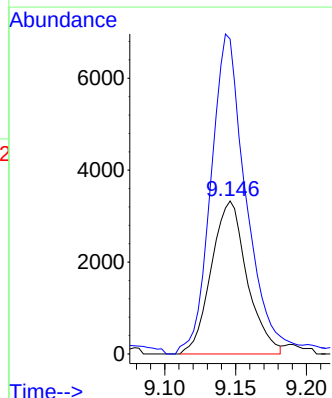
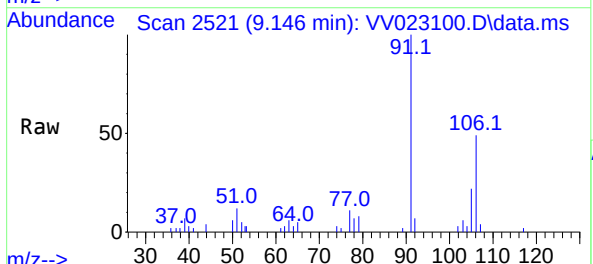
Manual Integrations
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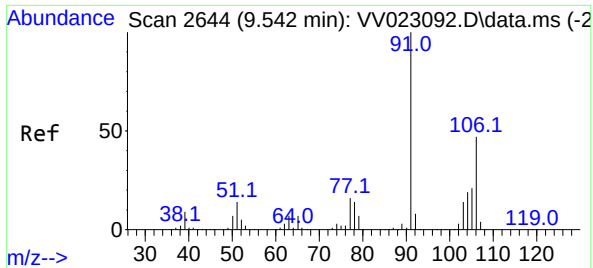
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#53
m,p-Xylene
Concen: 1.674 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.009 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion: 106 Resp: 5851
Ion Ratio Lower Upper
106 100
91 205.8 137.3 254.9





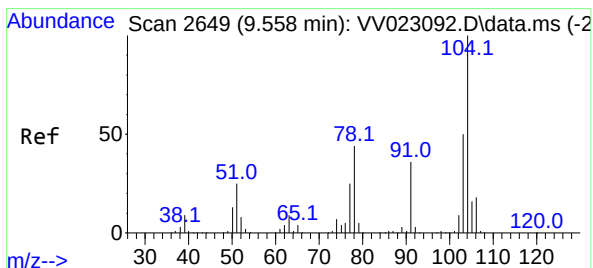
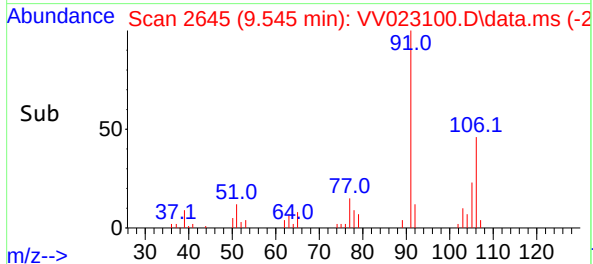
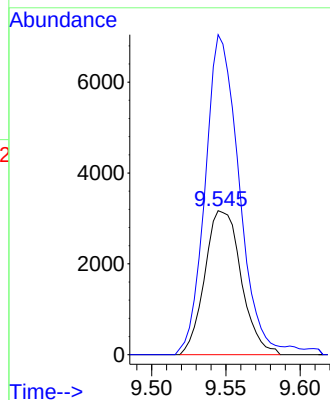
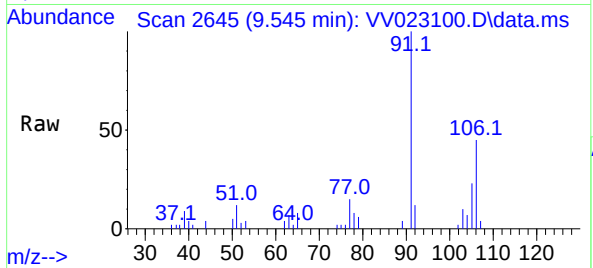
#54
o-Xylene
Concen: 1.588 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion:106 Resp: 5402
Ion Ratio Lower Upper
106 100
91 222.3 145.0 269.4

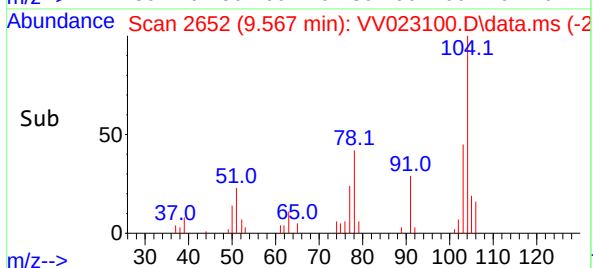
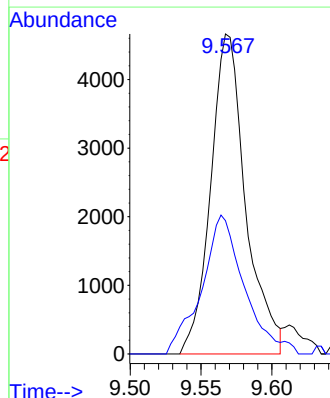
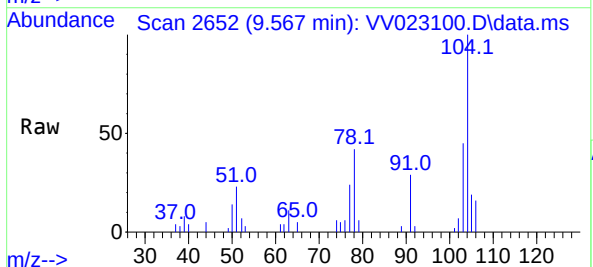
Manual Integrations
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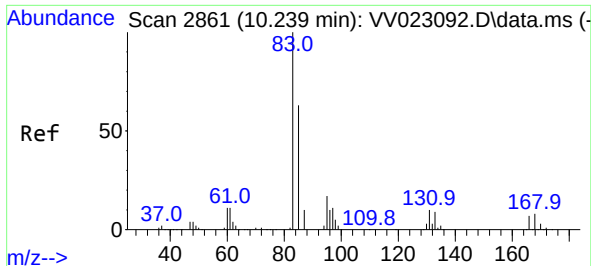
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#55
Styrene
Concen: 1.355 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.009 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:104 Resp: 8010
Ion Ratio Lower Upper
104 100
78 41.7 29.8 55.4





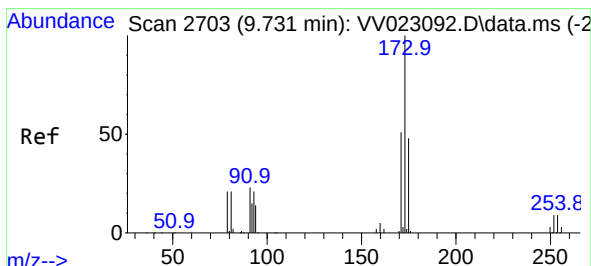
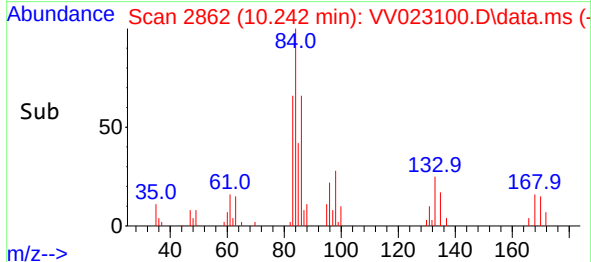
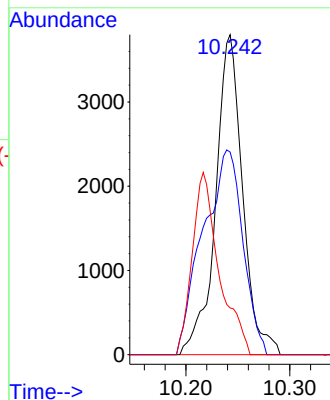
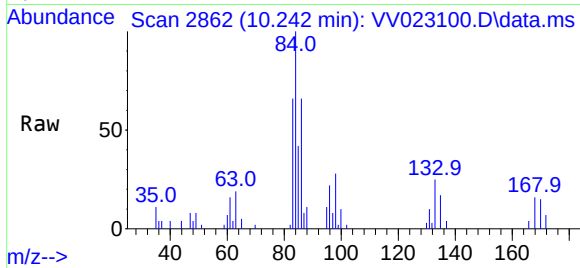
#57
1,1,2,2-Tetrachloroethane
Concen: 2.012 ug/L
RT: 10.242 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	83	Resp:	6858
Ion	Ratio	Lower	Upper
83	100		
85	63.3	44.7	83.1
131	14.6	7.8	11.8#

Instrument :
MSVOA_V
ClientSampled :
MDL04

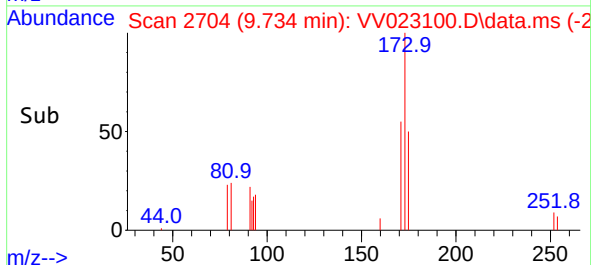
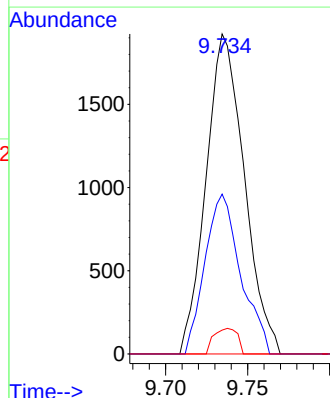
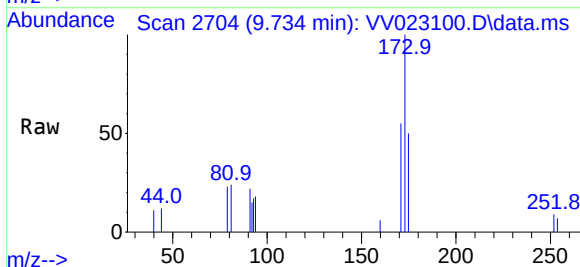
Manual Integrations
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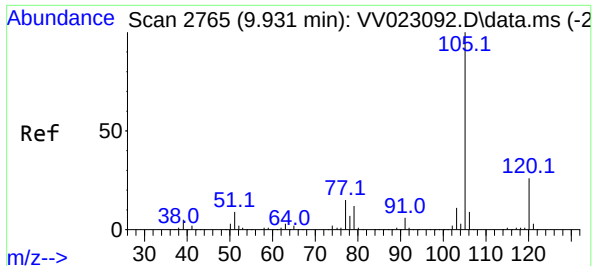
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11/1/2021 6:39:40 PM



#59
Bromoform
Concen: 1.886 ug/L
RT: 9.734 min Scan# 2704
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	173	Resp:	3110
Ion	Ratio	Lower	Upper
173	100		
175	46.7	39.3	58.9
254	4.9	7.2	10.8#





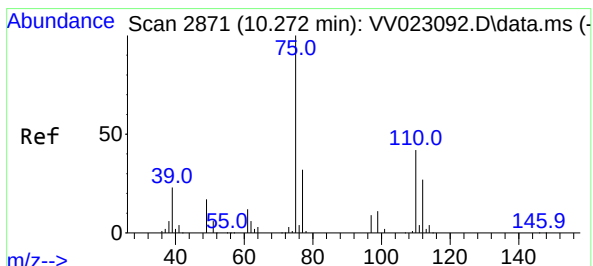
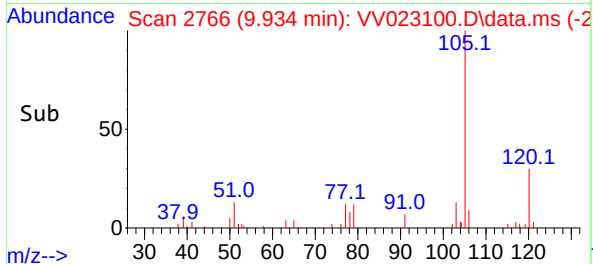
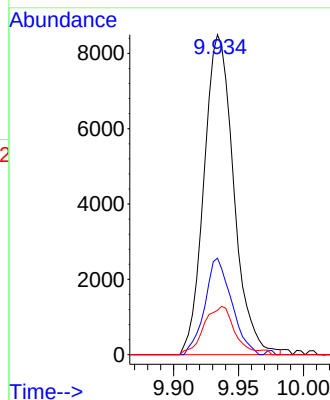
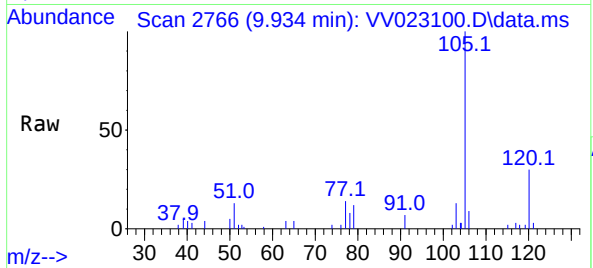
#60
Isopropylbenzene
Concen: 1.623 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	105	Resp:	13514
Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.0	31.6
77	15.6	12.2	18.2

Instrument :
MSVOA_V
ClientSampled :
MDL04

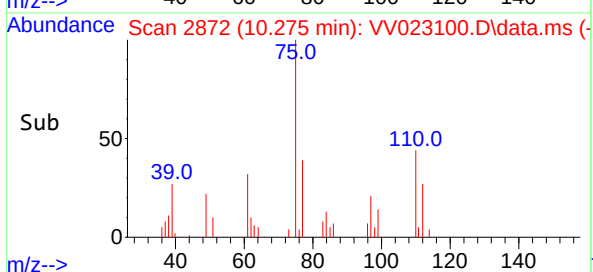
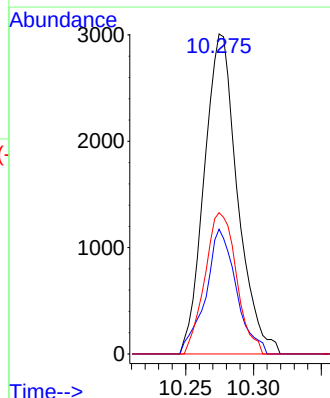
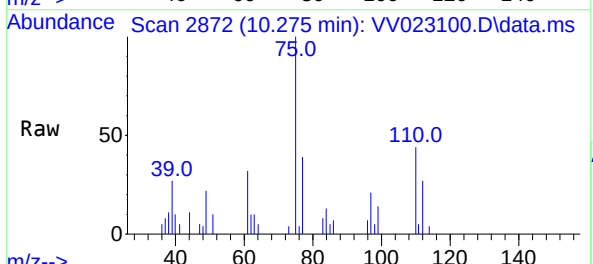
Manual Integrations
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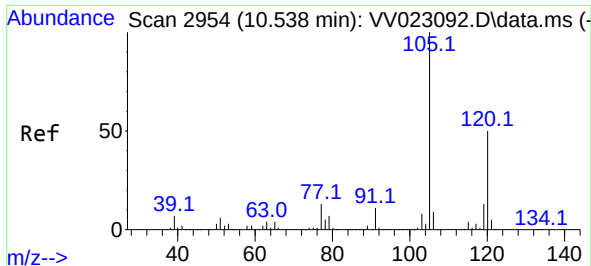
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#61
1,2,3-Trichloropropane
Concen: 2.098 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:	75	Resp:	5126
Ion	Ratio	Lower	Upper
75	100		
77	35.9	25.6	38.4
110	42.0	33.1	49.7





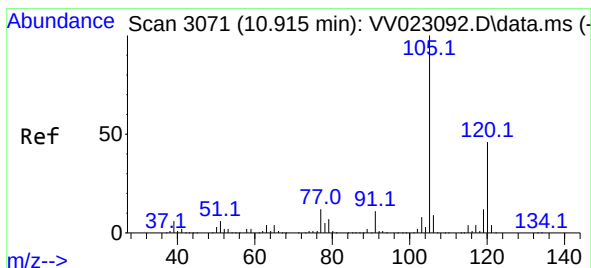
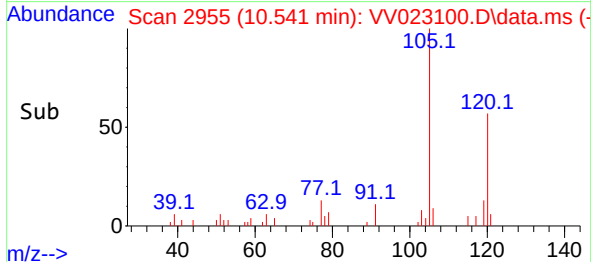
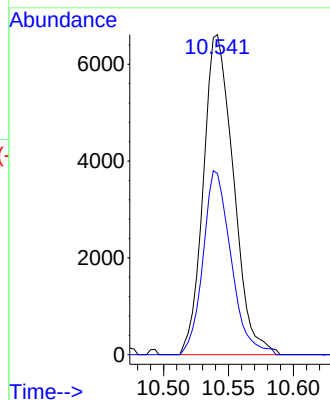
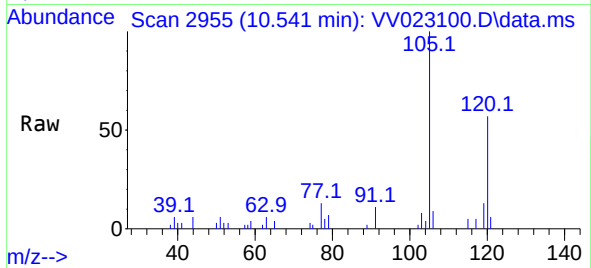
#62
1,3,5-Trimethylbenzene
Concen: 1.558 ug/L
RT: 10.541 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:105 Resp: 10685
Ion Ratio Lower Upper
105 100
120 53.1 39.6 59.4

Instrument :
MSVOA_V
ClientSampled :
MDL04

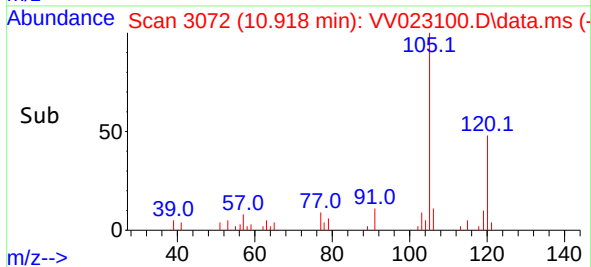
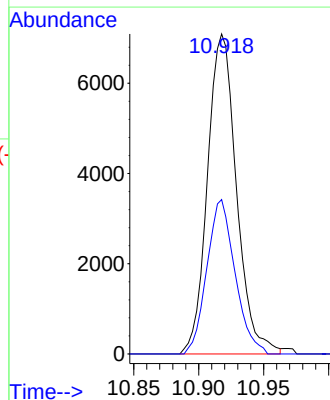
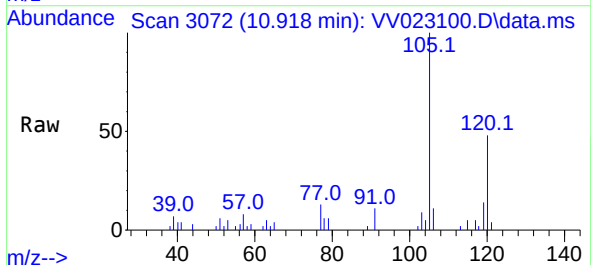
Manual Integrations
APPROVED

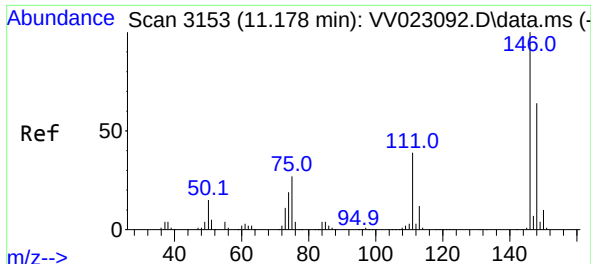
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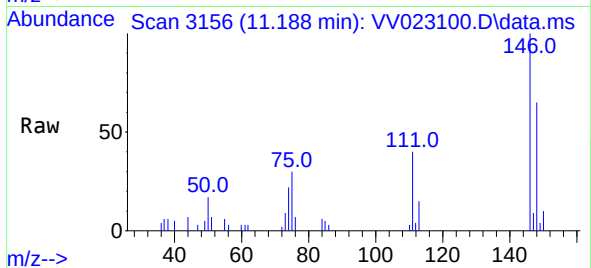
#63
1,2,4-Trimethylbenzene
Concen: 1.603 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:105 Resp: 11035
Ion Ratio Lower Upper
105 100
120 46.7 37.1 55.7

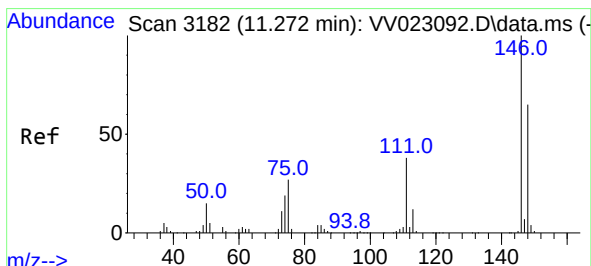
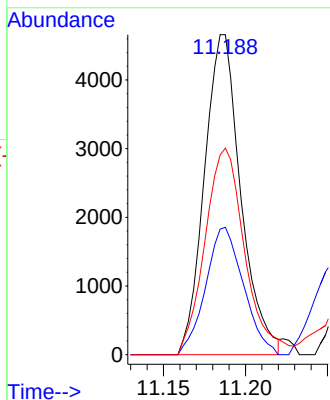
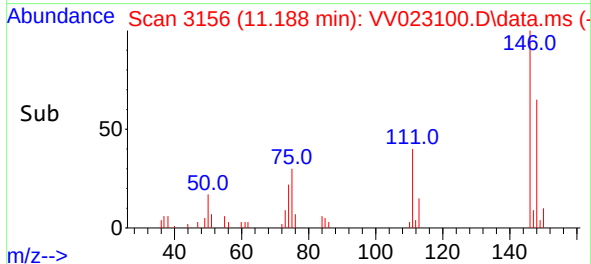




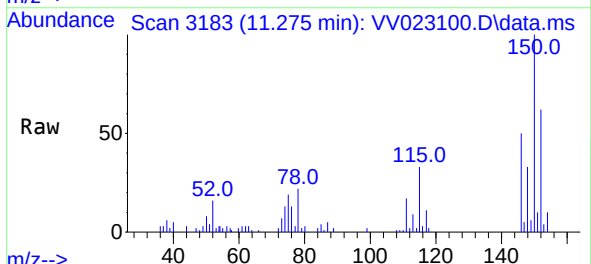
#64
1,3-Dichlorobenzene
Concen: 1.706 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.009 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12



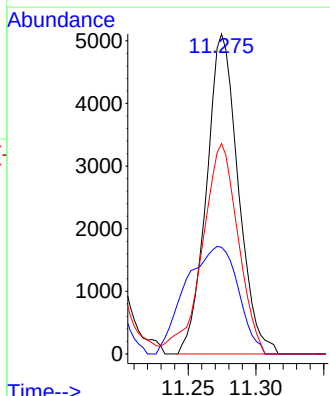
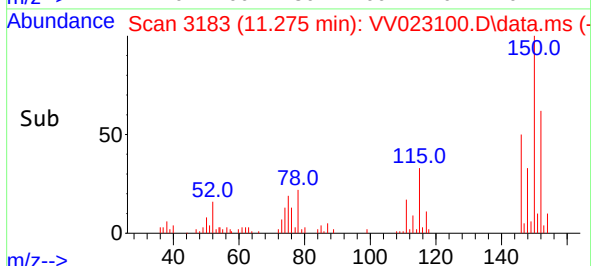
Tgt Ion:146 Resp: 7181
Ion Ratio Lower Upper
146 100
111 39.8 27.3 50.7
148 64.5 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 1.896 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12



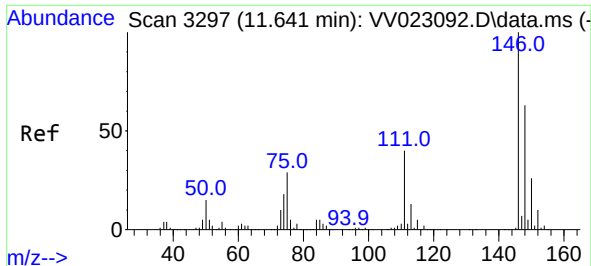
Tgt Ion:146 Resp: 8315
Ion Ratio Lower Upper
146 100
111 33.3 26.0 48.2
148 65.8 44.7 82.9



Instrument :
MSVOA_V
ClientSampled :
MDL04

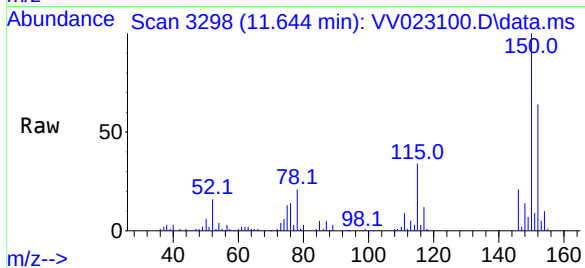
Manual Integrations
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#67
1,2-Dichlorobenzene
Concen: 2.108 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

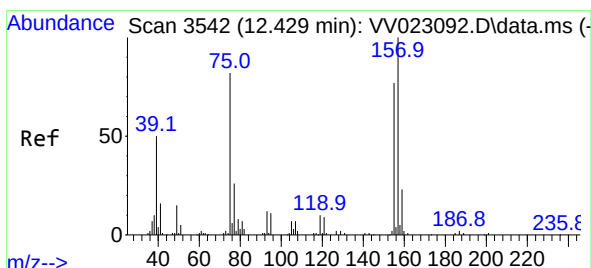
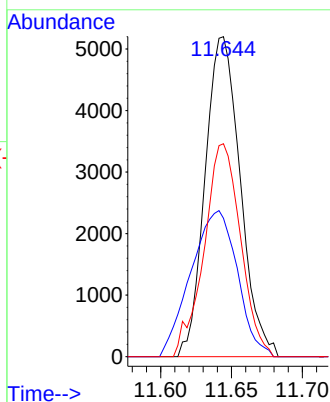
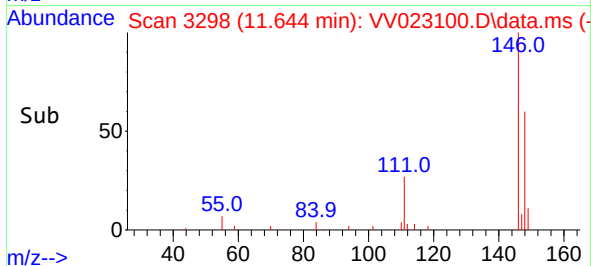
Instrument :
MSVOA_V
ClientSampled :
MDL04



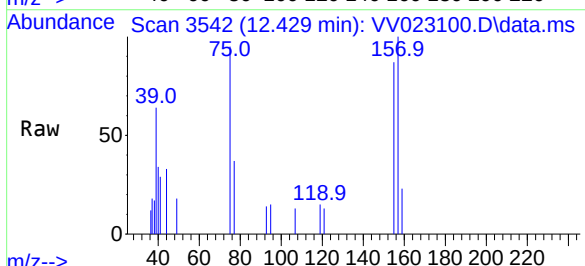
Tgt Ion:146 Resp: 8973
Ion Ratio Lower Upper
146 100
111 43.3 32.2 48.2
148 66.6 51.8 77.8

Manual Integrations
APPROVED

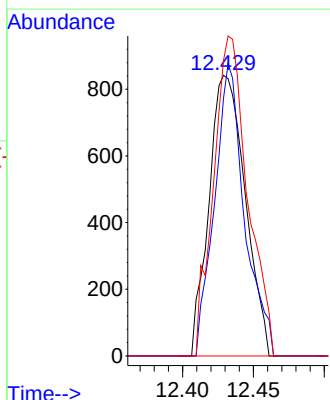
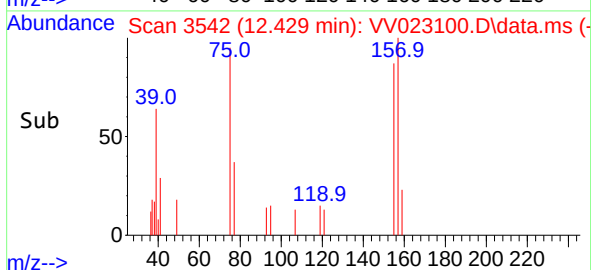
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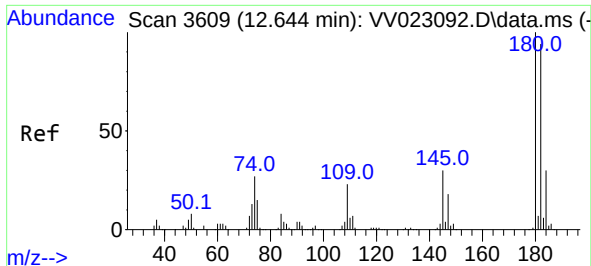


#68
1,2-Dibromo-3-chloropropane
Concen: 2.194 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. -0.000 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

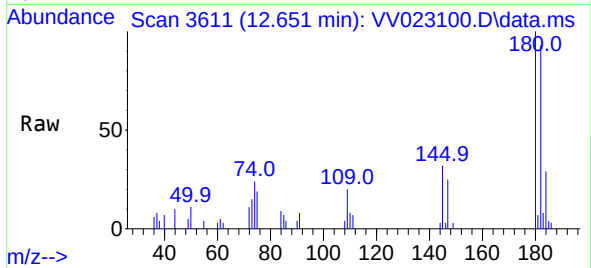


Tgt Ion: 75 Resp: 1496
Ion Ratio Lower Upper
75 100
155 91.8 75.7 113.5
157 105.2 96.4 144.6

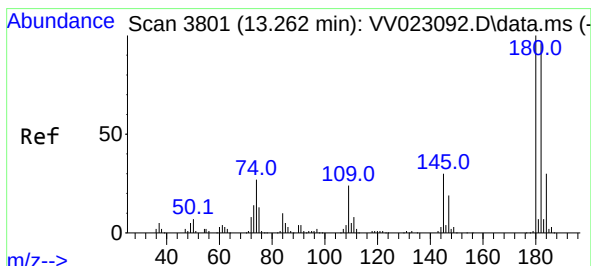
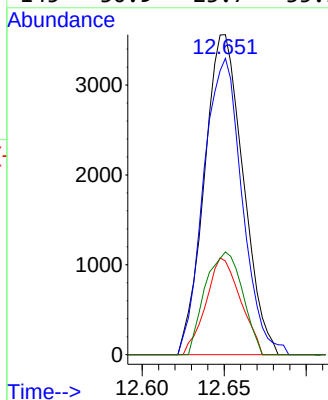
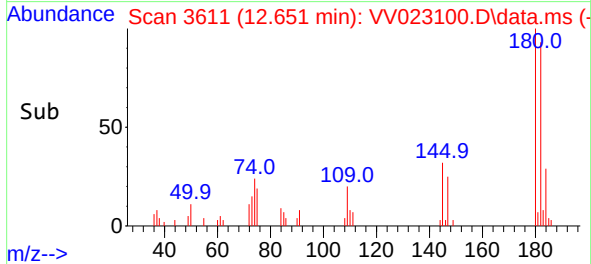




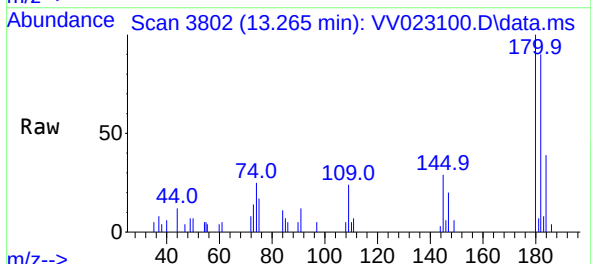
#69
1,3,5-Trichlorobenzene
Concen: 1.836 ug/L
RT: 12.651 min Scan# 3611
Delta R.T. 0.006 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12



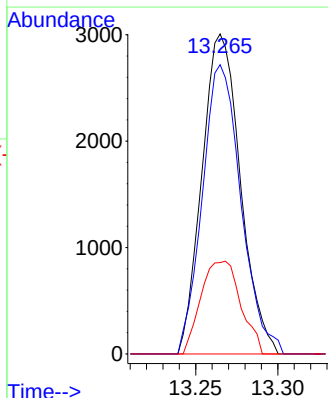
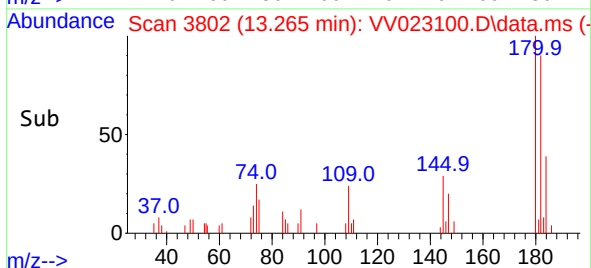
Tgt Ion:180 Resp: 5846
Ion Ratio Lower Upper
180 100
182 91.7 76.6 115.0
184 26.9 24.6 36.8
145 30.9 23.7 35.5



#70
1,2,4-trichlorobenzene
Concen: 1.774 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12



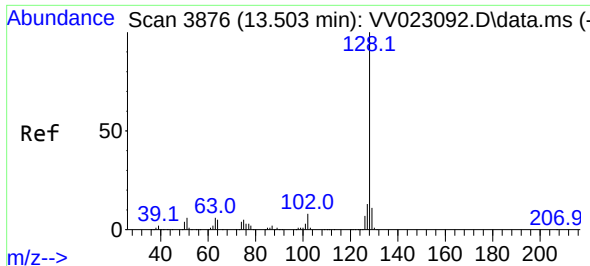
Tgt Ion:180 Resp: 4897
Ion Ratio Lower Upper
180 100
182 90.7 77.2 115.8
145 30.0 23.8 35.6



Instrument :
MSVOA_V
ClientSampled :
MDL04

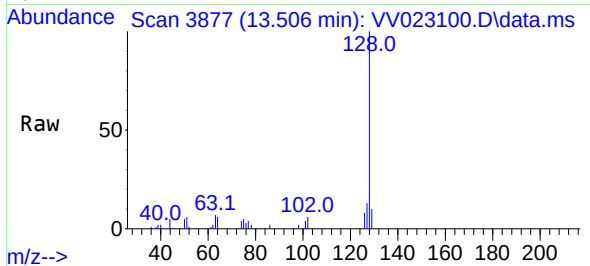
Manual Integrations
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#71
Naphthalene
Concen: 1.646 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

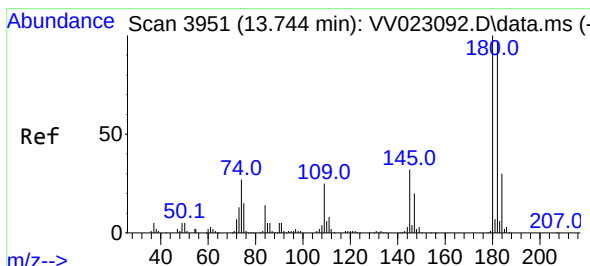
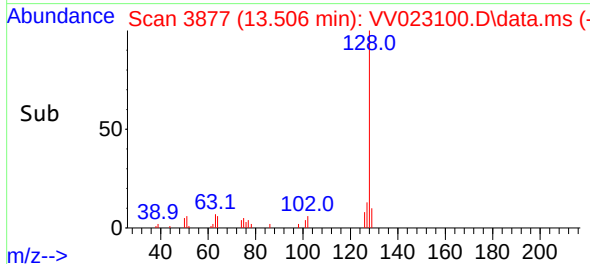
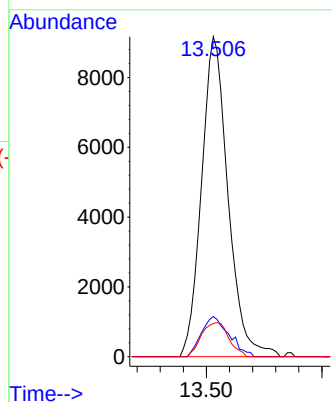
Instrument :
MSVOA_V
ClientSampled :
MDL04



Tgt Ion:128 Resp: 14585
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.0 8.7 13.1

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.899 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VV023100.D
Acq: 29 Oct 2021 13:12

Tgt Ion:180 Resp: 5540
Ion Ratio Lower Upper
180 100
182 92.4 77.0 115.4
145 29.7 26.4 39.6

