

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092021\
 Data File : VW022243.D
 Acq On : 20 Sep 2021 19:27
 Operator : SY/MD
 Sample : M3778-04MS 50X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E4587MS

Manual Integrations
 APPROVED

MMDadoda
 9/21/2021 1:51:02 PM

Quant Time: Sep 21 04:46:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 21 04:41:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	322010	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	310425	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	162283	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	94843	42.531	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.060%
7) Chloroethane-d5	1.565	69	79017	45.375	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.740%
11) 1,1-Dichloroethene-d2	2.105	63	180083	48.830	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.660%
21) 2-Butanone-d5	3.905	46	168121	109.930	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.930%
24) Chloroform-d	4.349	84	196119	48.233	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.460%
26) 1,2-Dichloroethane-d4	5.034	65	116748	48.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.500%
32) Benzene-d6	5.050	84	387077	45.972	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.940%
36) 1,2-Dichloropropane-d6	6.072	67	120216	45.400	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.800%
41) Toluene-d8	7.317	98	357277	44.951	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.900%
43) trans-1,3-Dichloroprop...	7.625	79	55238	43.829	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.660%
47) 2-Hexanone-d5	8.092	63	114939	113.129	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.130%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	165944	48.933	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.860%
66) 1,2-Dichlorobenzene-d4	11.625	152	138555	43.430	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	74507	33.661	ug/L	100
3) Chloromethane	1.237	50	85266	36.379	ug/L	98
5) Vinyl chloride	1.307	62	92533	39.170	ug/L	99
6) Bromomethane	1.519	94	61165	43.065	ug/L	100
8) Chloroethane	1.584	64	63369	42.880	ug/L	99
9) Trichlorofluoromethane	1.751	101	151464	45.024	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	92777	47.019	ug/L	98
12) 1,1-Dichloroethene	2.114	96	86852	46.760	ug/L	91
13) Acetone	2.198	43	124482m	97.146	ug/L	
14) Carbon disulfide	2.291	76	194563	34.715	ug/L	99
15) Methyl Acetate	2.439	43	135494	54.297	ug/L	98
16) Methylene chloride	2.503	84	125437	50.406	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	96789	43.098	ug/L	96
18) Methyl tert-butyl Ether	2.770	73	342477	47.989	ug/L	99
19) 1,1-Dichloroethane	3.188	63	194897	48.726	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	114014	45.613	ug/L	98
22) 2-Butanone	3.986	43	182783	101.478	ug/L	99
23) Bromochloromethane	4.249	128	62572	47.006	ug/L	97
25) Chloroform	4.378	83	203899	48.156	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092021\
 Data File : VV022243.D
 Acq On : 20 Sep 2021 19:27
 Operator : SY/MD
 Sample : M3778-04MS 50X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E4587MS

Manual Integrations
 APPROVED

MMDadoda
 9/21/2021 1:51:02 PM

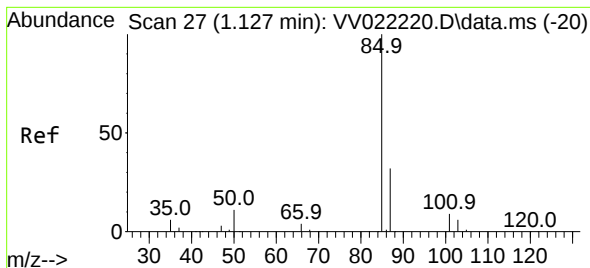
Quant Time: Sep 21 04:46:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 21 04:41:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	144445	50.892	ug/L	100
29) Cyclohexane	4.677	56	141598	40.805	ug/L	98
30) 1,1,1-Trichloroethane	4.609	97	173060	46.907	ug/L	98
31) Carbon tetrachloride	4.831	117	144875	45.705	ug/L	99
33) Benzene	5.101	78	428875	47.486	ug/L	100
34) Trichloroethene	5.915	95	124035	48.484	ug/L	98
35) Methylcyclohexane	6.133	83	149162	39.884	ug/L	99
37) 1,2-Dichloropropane	6.175	63	114110	48.741	ug/L	100
38) Bromodichloromethane	6.513	83	143991	48.094	ug/L	98
39) cis-1,3-Dichloropropene	7.031	75	161582	44.703	ug/L	99
40) 4-Methyl-2-pentanone	7.230	43	354688	111.751	ug/L	98
42) Toluene	7.391	91	458874	47.075	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	159558	47.430	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	119315	50.088	ug/L	98
46) Tetrachloroethene	7.976	164	460372	231.433	ug/L	97
48) 2-Hexanone	8.143	43	272002	110.453	ug/L	98
49) Dibromochloromethane	8.249	129	122837	48.175	ug/L	97
50) 1,2-Dibromoethane	8.355	107	122085	47.754	ug/L	99
51) Chlorobenzene	8.883	112	300705	45.883	ug/L	99
52) Ethylbenzene	9.014	91	482059	45.684	ug/L	99
53) m,p-Xylene	9.140	106	183768	44.806	ug/L	97
54) o-Xylene	9.545	106	186232	45.891	ug/L	98
55) Styrene	9.561	104	325920	47.061	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.243	83	179646	52.050	ug/L	98
59) Bromoform	9.735	173	85098	49.372	ug/L	99
60) Isopropylbenzene	9.934	105	485530	47.615	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	151778	53.964	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	396451	46.310	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	407156	46.792	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	232969	44.998	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	233415	44.058	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	240482	46.779	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	35411	52.240	ug/L	98
69) 1,3,5-Trichlorobenzene	12.648	180	159519	41.205	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	133607	39.232	ug/L	99
71) Naphthalene	13.503	128	454684	46.413	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	147692	44.463	ug/L	98

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

MMDadoda
9/21/2021 1:51:02 PM

[illegible]



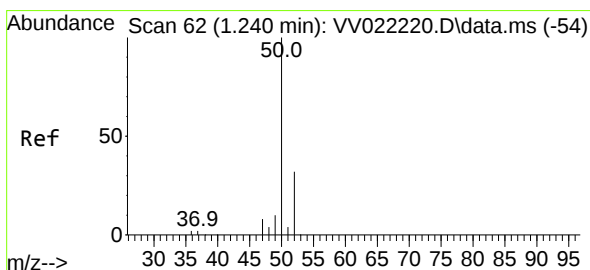
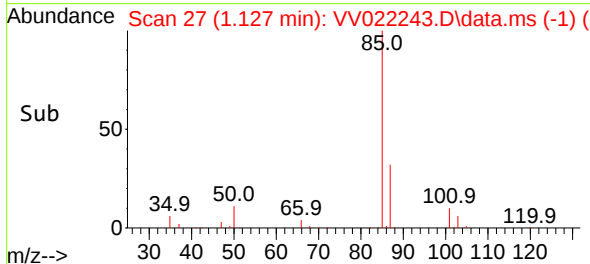
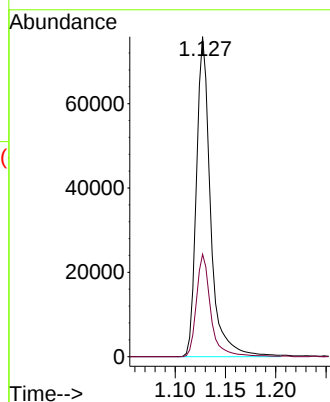
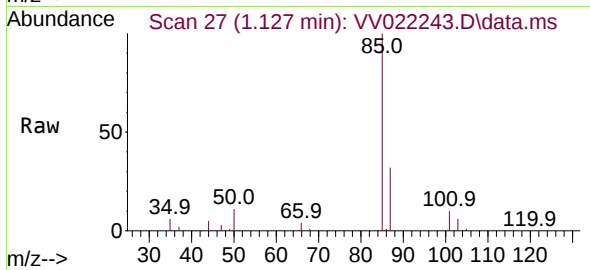
#2
Dichlorodifluoromethane
Concen: 33.661 ug/L
RT: 1.127 min Scan# 27
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion: 85 Resp: 74507
Ion Ratio Lower Upper
85 100
87 32.3 26.0 39.0

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

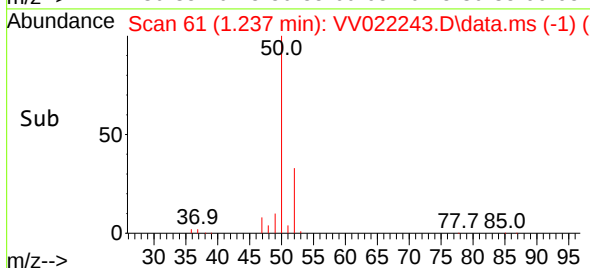
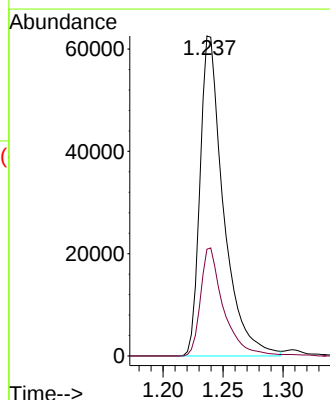
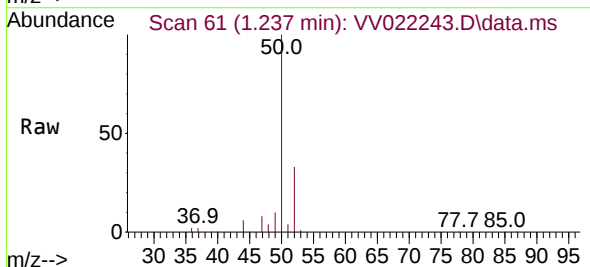
Manual Integrations
APPROVED

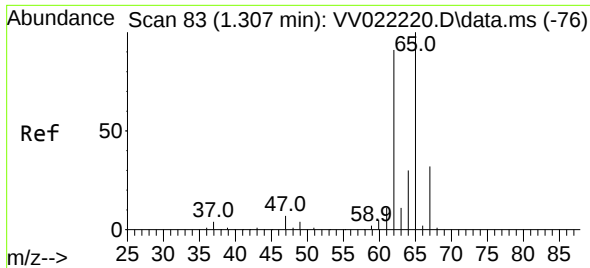
MMDadoda
9/21/2021 1:51:02 PM



#3
Chloromethane
Concen: 36.379 ug/L
RT: 1.237 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

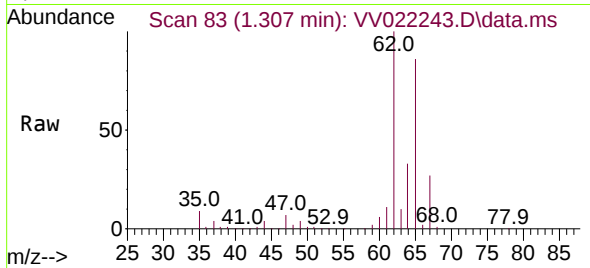
Tgt Ion: 50 Resp: 85266
Ion Ratio Lower Upper
50 100
52 33.3 22.5 41.9





#5
 Vinyl chloride
 Concen: 39.170 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV022243.D
 Acq: 20 Sep 2021 19:27

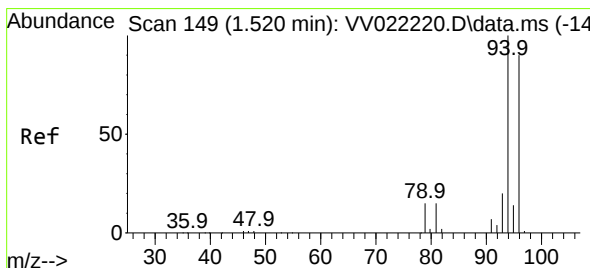
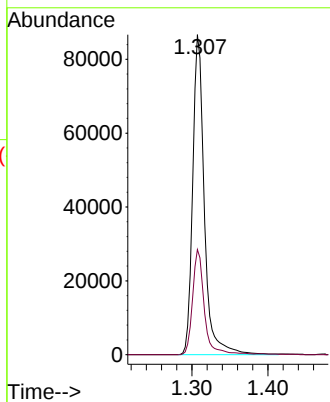
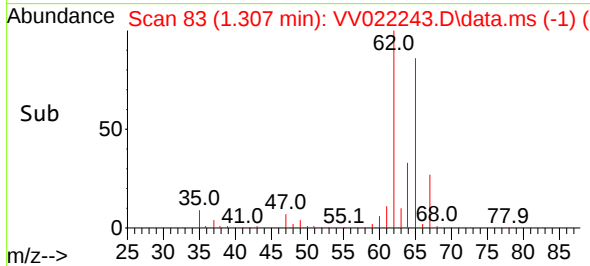
Instrument :
 MSVOA_V
 ClientSampleId :
 E4587MS



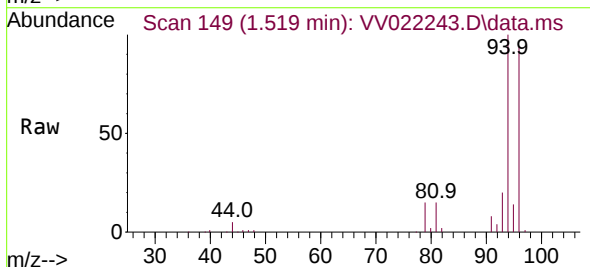
Tgt Ion: 62 Resp: 92533
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.4 43.6

Manual Integrations
 APPROVED

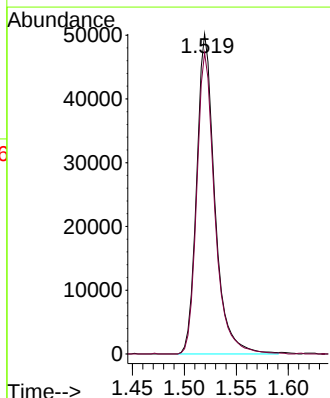
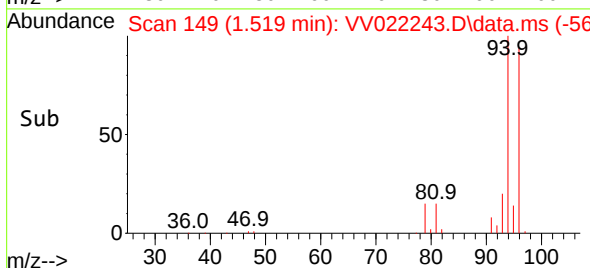
MMDadoda
 9/21/2021 1:51:02 PM

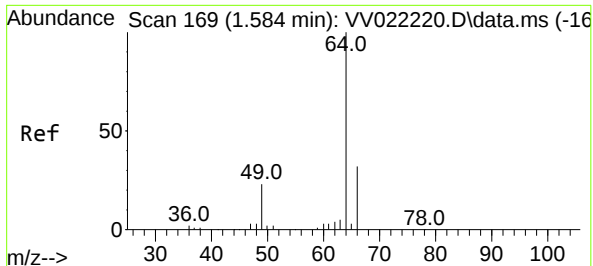


#6
 Bromomethane
 Concen: 43.065 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV022243.D
 Acq: 20 Sep 2021 19:27



Tgt Ion: 94 Resp: 61165
 Ion Ratio Lower Upper
 94 100
 96 94.1 65.8 122.2





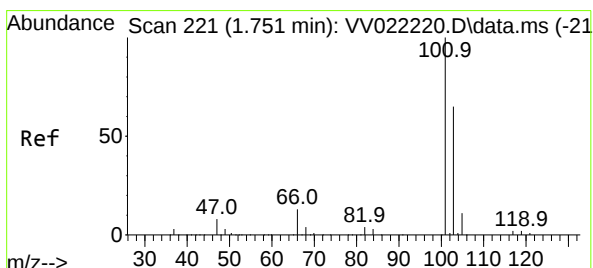
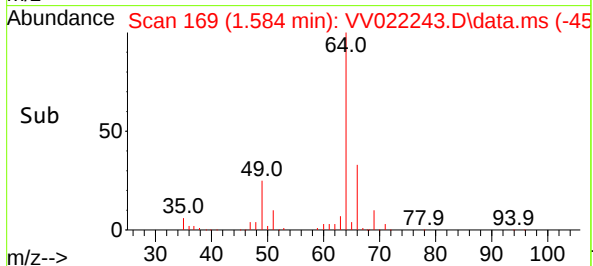
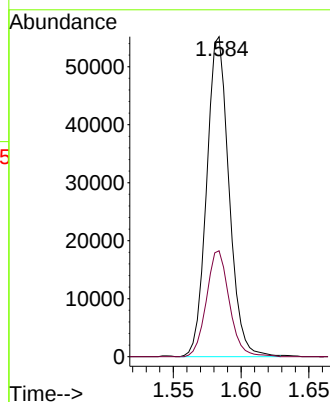
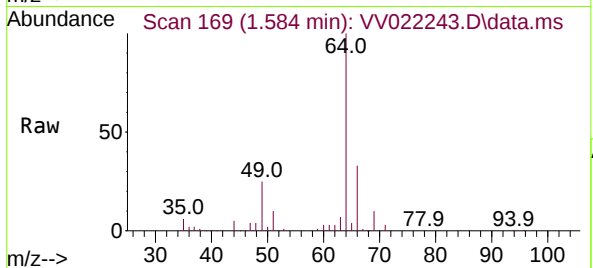
#8
Chloroethane
Concen: 42.880 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

Tgt Ion: 64 Resp: 63369
Ion Ratio Lower Upper
64 100
66 33.1 22.7 42.3

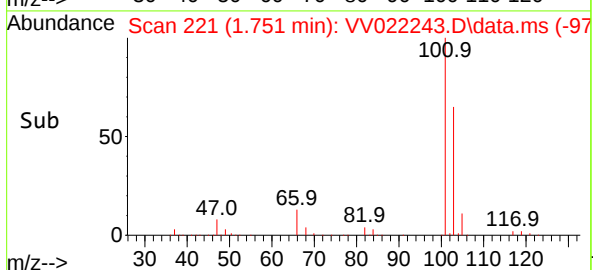
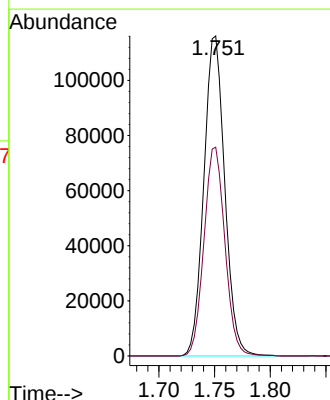
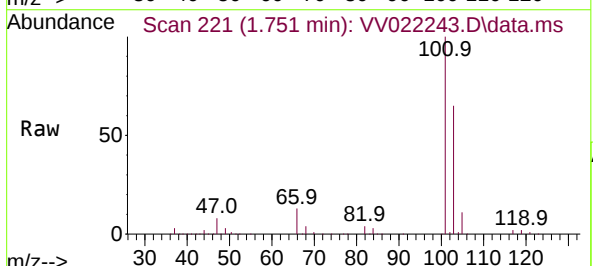
Manual Integrations
APPROVED

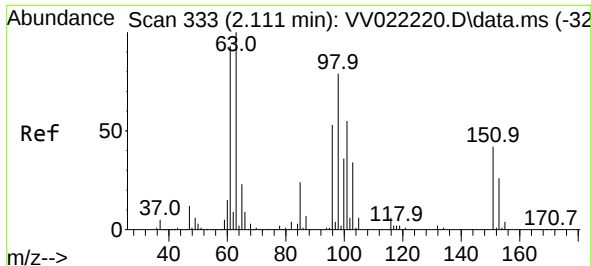
MMDadoda
9/21/2021 1:51:02 PM



#9
Trichlorofluoromethane
Concen: 45.024 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion: 101 Resp: 151464
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.0





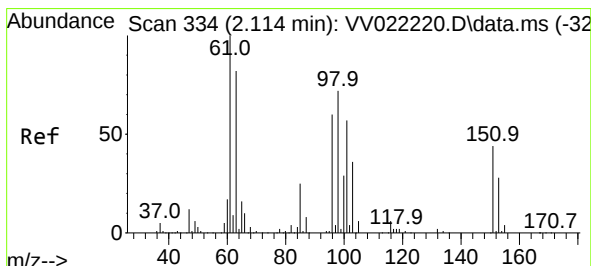
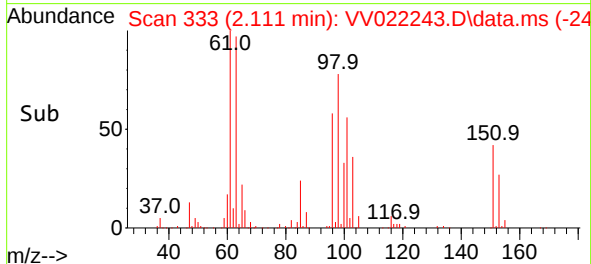
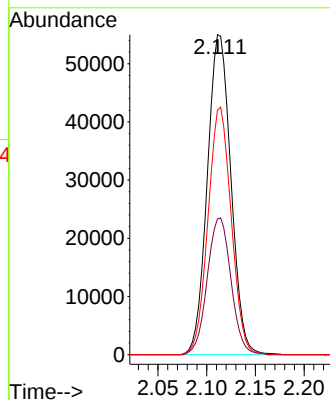
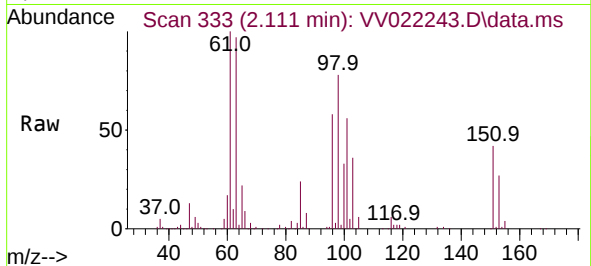
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.019 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

Tgt Ion:101 Resp: 92777
Ion Ratio Lower Upper
101 100
85 42.9 33.4 50.0
151 75.9 61.7 92.5

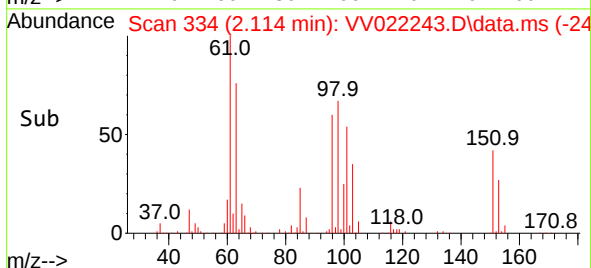
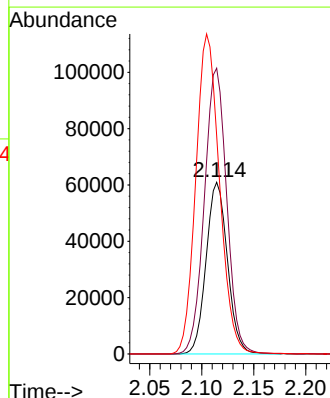
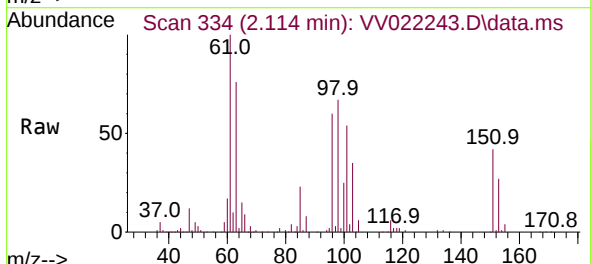
Manual Integrations
APPROVED

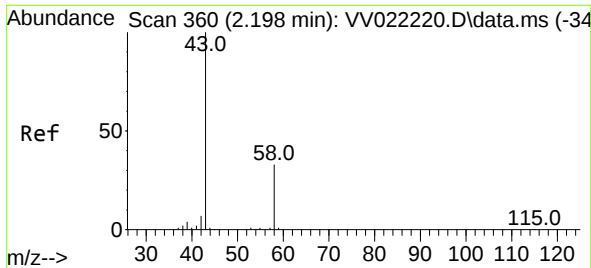
MMDadoda
9/21/2021 1:51:02 PM



#12
1,1-Dichloroethene
Concen: 46.760 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

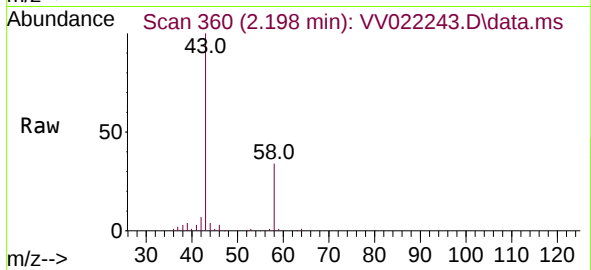
Tgt Ion: 96 Resp: 86852
Ion Ratio Lower Upper
96 100
61 166.4 113.2 210.2
63 127.1 102.3 189.9





#13
Acetone
Concen: 97.146 ug/L m
RT: 2.198 min Scan# 360
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

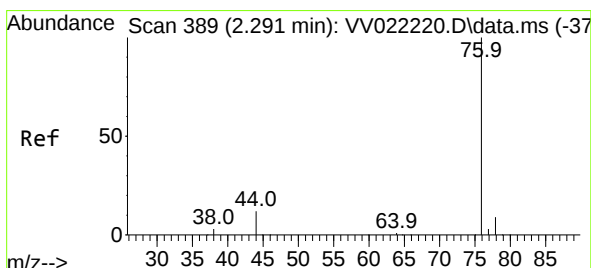
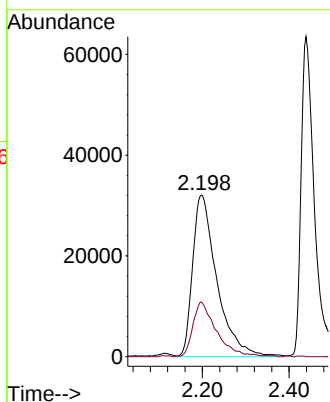
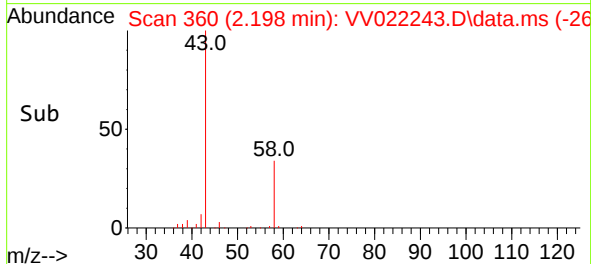
Instrument :
MSVOA_V
ClientSampleId :
E4587MS



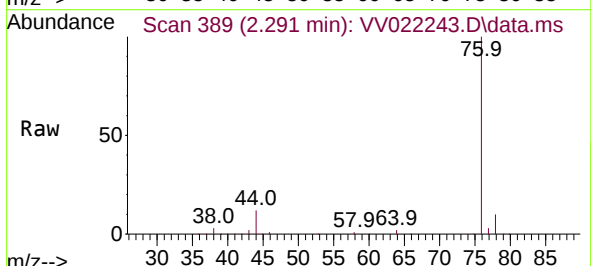
Tgt Ion: 43 Resp: 124482
Ion Ratio Lower Upper
43 100
58 0.1 0.0 0.4

Manual Integrations
APPROVED

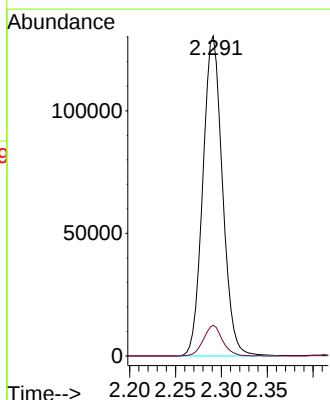
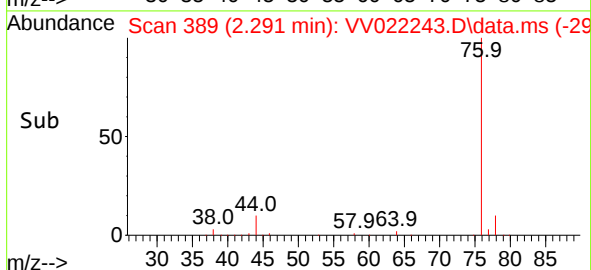
MMDadoda
9/21/2021 1:51:02 PM

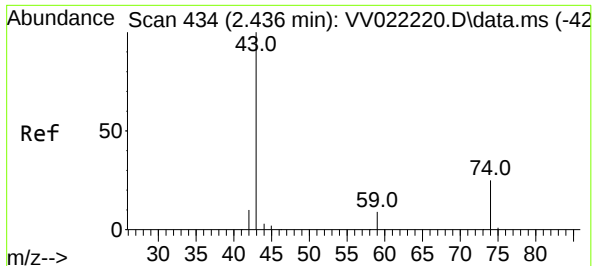


#14
Carbon disulfide
Concen: 34.715 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27



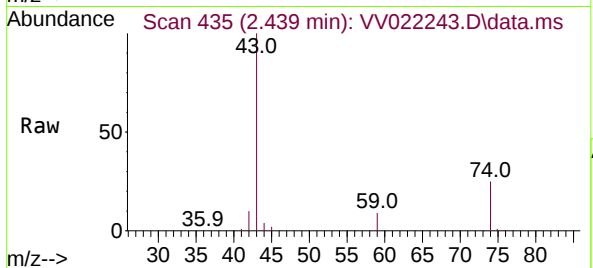
Tgt Ion: 76 Resp: 194563
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2





#15
Methyl Acetate
Concen: 54.297 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

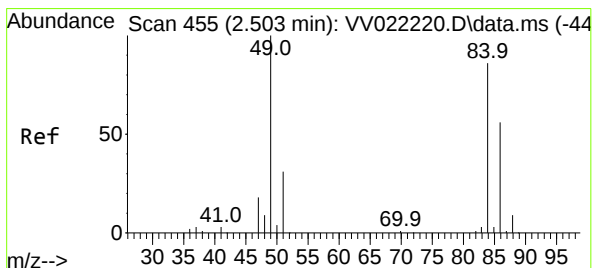
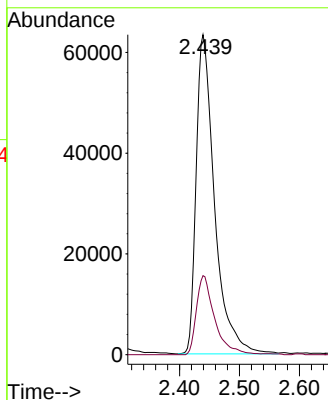
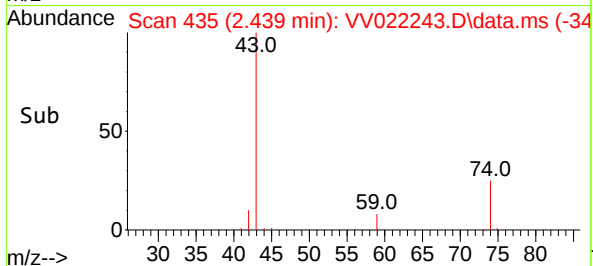
Instrument :
MSVOA_V
ClientSampleId :
E4587MS



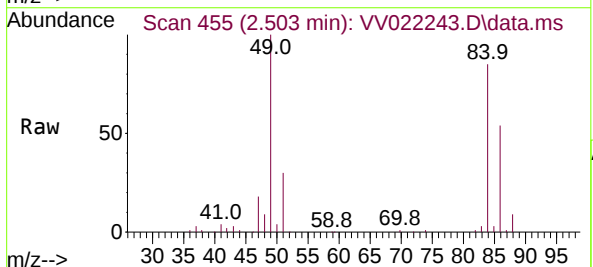
Tgt Ion: 43 Resp: 135494
Ion Ratio Lower Upper
43 100
74 24.4 20.2 30.2

Manual Integrations
APPROVED

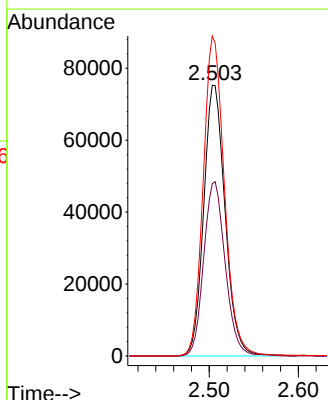
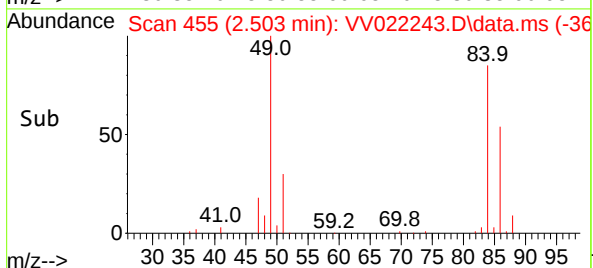
MMDadoda
9/21/2021 1:51:02 PM

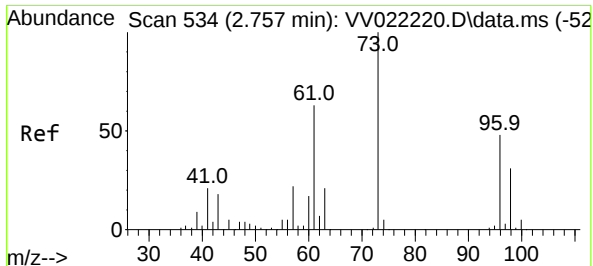


#16
Methylene chloride
Concen: 50.406 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27



Tgt Ion: 84 Resp: 125437
Ion Ratio Lower Upper
84 100
86 63.6 44.8 83.2
49 118.1 80.2 149.0





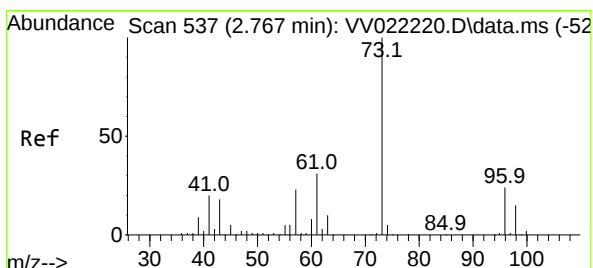
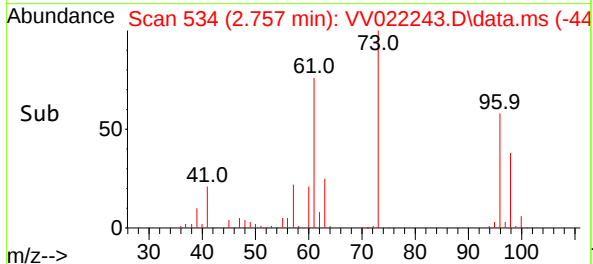
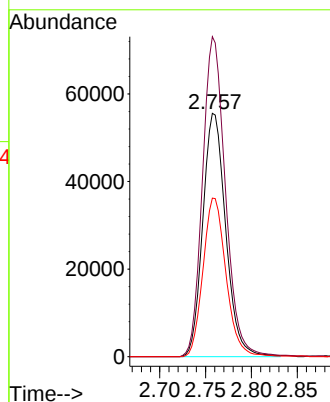
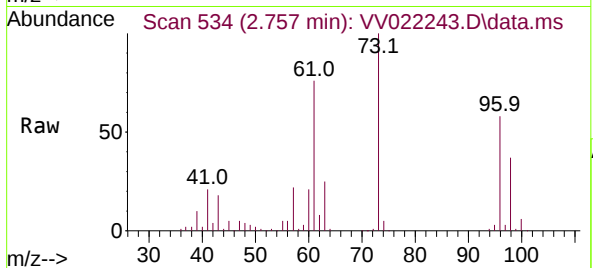
#17
trans-1,2-Dichloroethene
Concen: 43.098 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.5	89.1	165.5
98	65.2	43.8	81.3

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

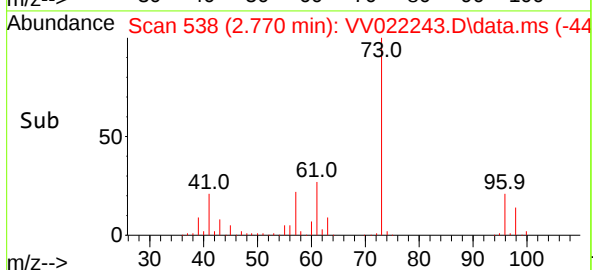
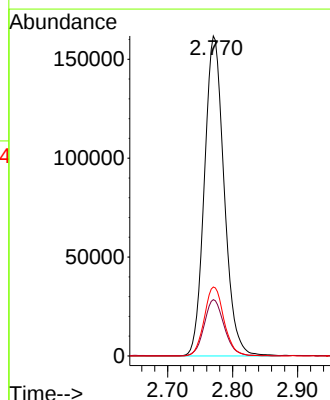
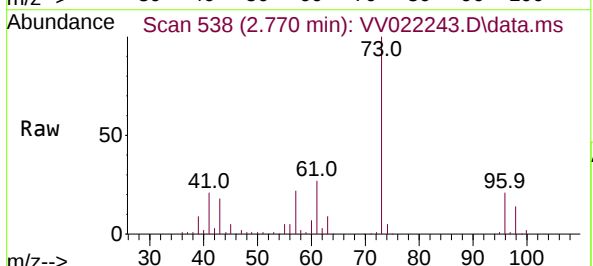
Manual Integrations
APPROVED

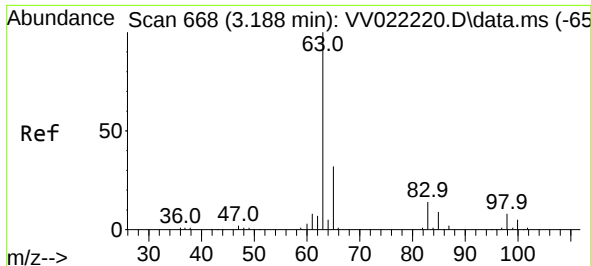
MMDadoda
9/21/2021 1:51:02 PM



#18
Methyl tert-butyl Ether
Concen: 47.989 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.6	13.8	20.6
57	21.6	17.1	25.7





#19

1,1-Dichloroethane

Concen: 48.726 ug/L

RT: 3.188 min Scan# 668

Delta R.T. -0.000 min

Lab File: VV022243.D

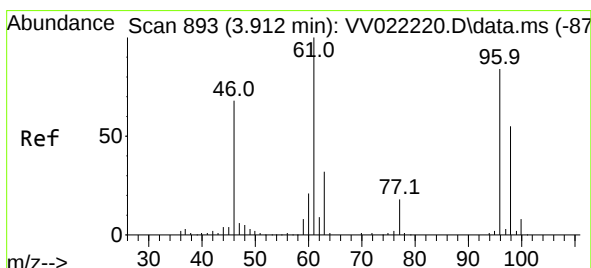
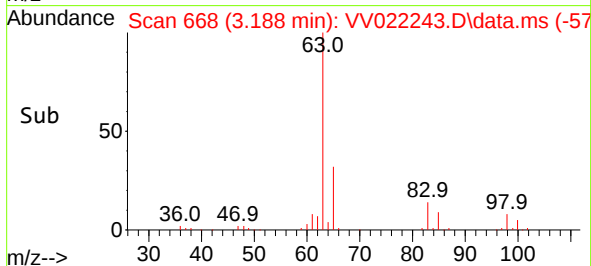
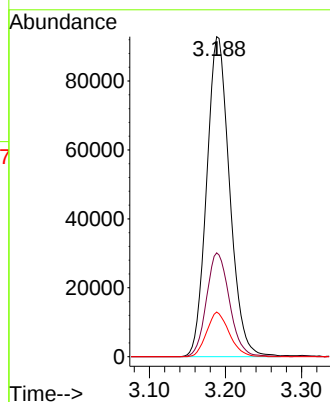
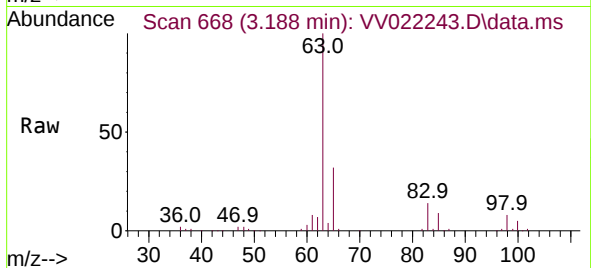
Acq: 20 Sep 2021 19:27

Tgt Ion: 63	Resp: 194897
Ion Ratio	Lower Upper
63 100	
65 32.4	22.2 41.2
83 14.0	9.7 17.9

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

Manual Integrations
APPROVED

MMDadoda
9/21/2021 1:51:02 PM



#20

cis-1,2-Dichloroethene

Concen: 45.613 ug/L

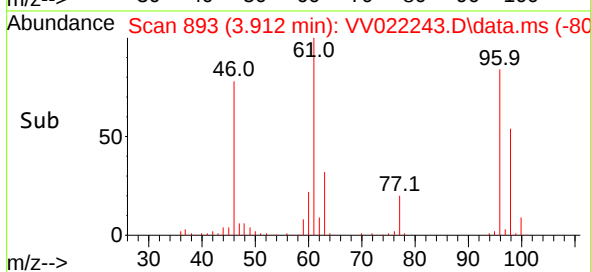
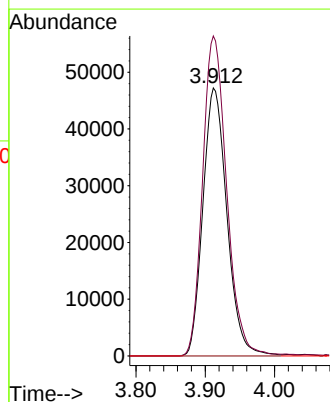
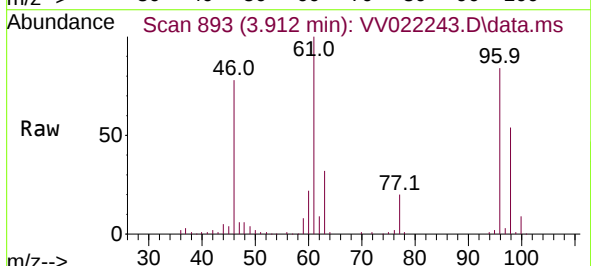
RT: 3.912 min Scan# 893

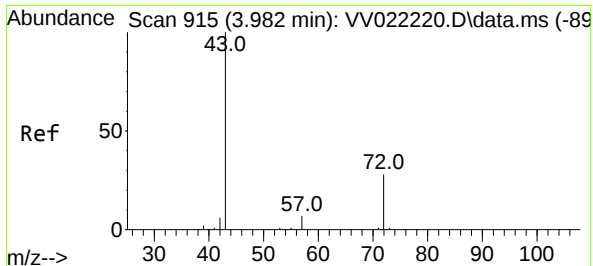
Delta R.T. -0.000 min

Lab File: VV022243.D

Acq: 20 Sep 2021 19:27

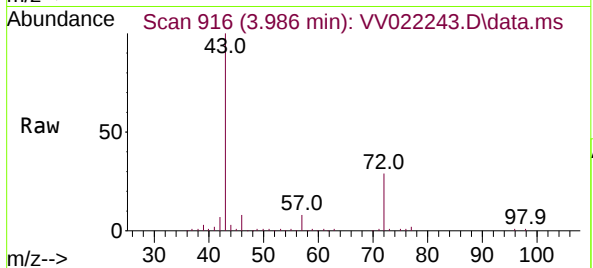
Tgt Ion: 96	Resp: 114014		
Ion Ratio	Lower	Upper	
96	100		
61	119.4	81.8	152.0
68	0.0	0.0	0.0





#22
2-Butanone
Concen: 101.478 ug/L
RT: 3.986 min Scan# 916
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

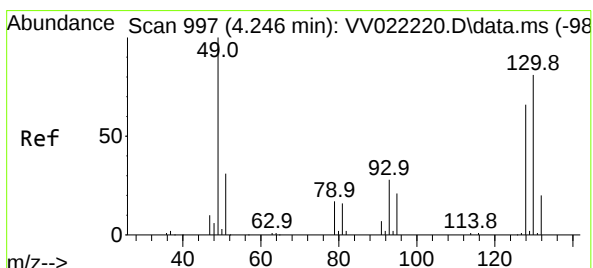
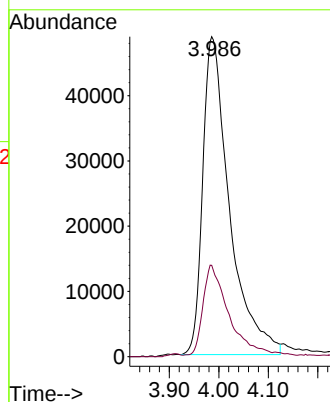
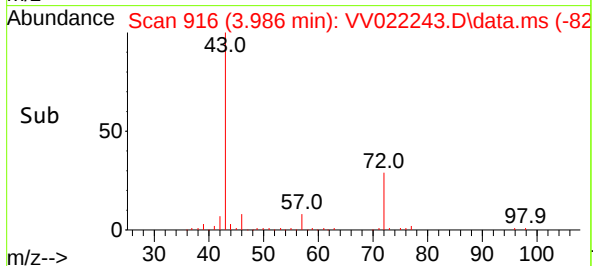
Instrument :
MSVOA_V
ClientSampleId :
E4587MS



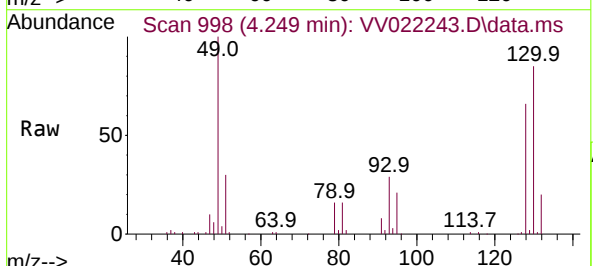
Tgt Ion: 43 Resp: 182783
Ion Ratio Lower Upper
43 100
72 27.0 13.3 39.8

Manual Integrations
APPROVED

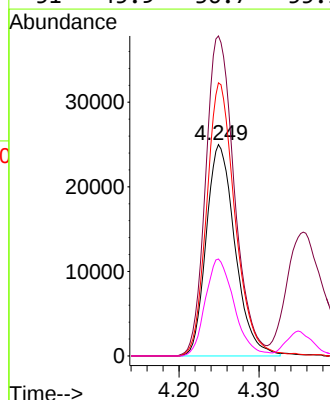
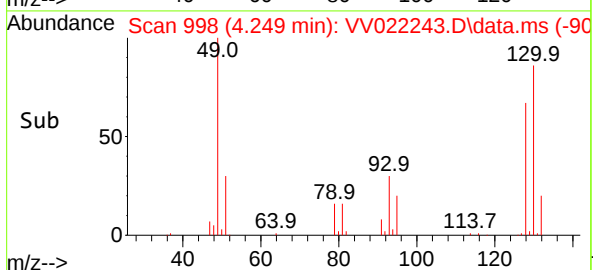
MMDadoda
9/21/2021 1:51:02 PM

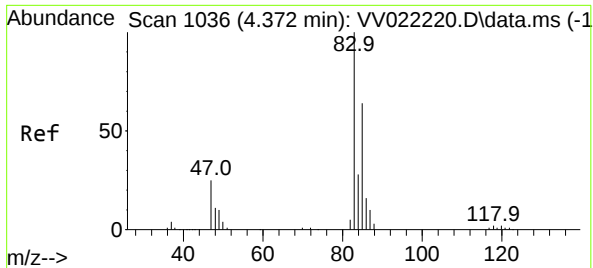


#23
Bromochloromethane
Concen: 47.006 ug/L
RT: 4.249 min Scan# 998
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27



Tgt Ion: 128 Resp: 62572
Ion Ratio Lower Upper
128 100
49 151.4 101.6 188.8
130 129.2 88.5 164.3
51 45.9 36.7 55.1





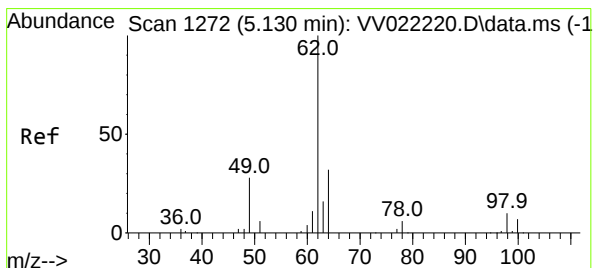
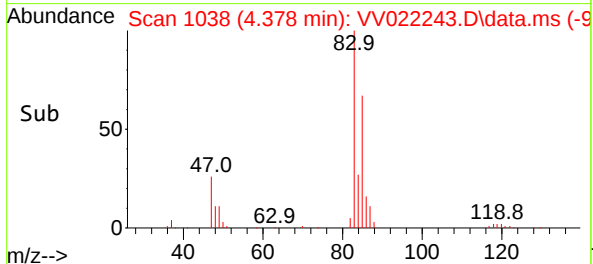
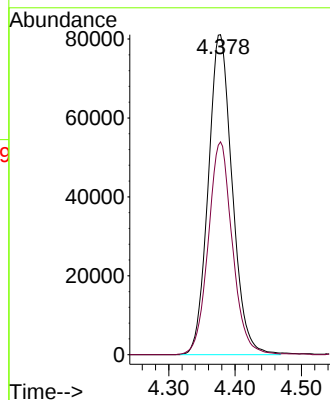
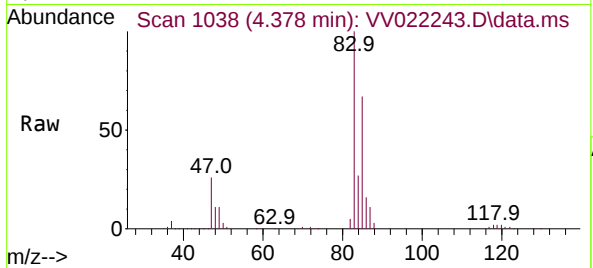
#25
Chloroform
Concen: 48.156 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion: 83 Resp: 203899
Ion Ratio Lower Upper
83 100
85 66.5 46.3 85.9

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

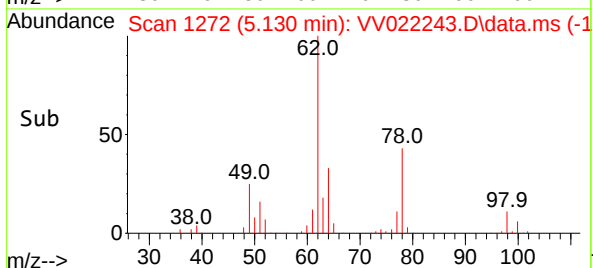
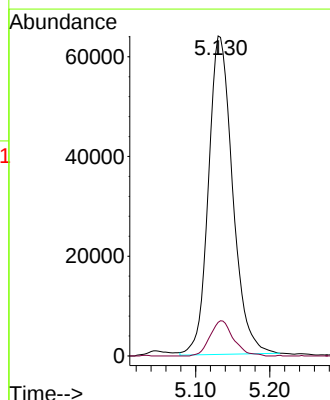
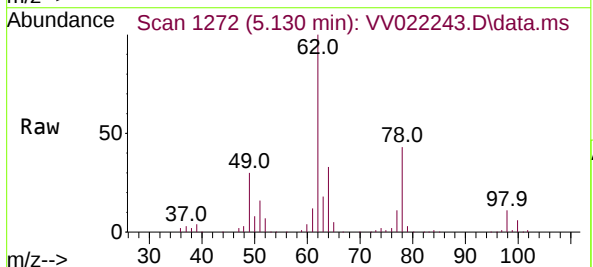
Manual Integrations
APPROVED

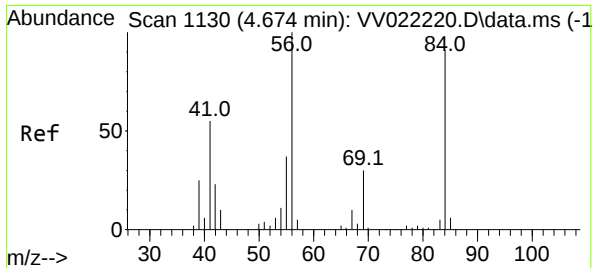
MMDadoda
9/21/2021 1:51:02 PM



#27
1,2-Dichloroethane
Concen: 50.892 ug/L
RT: 5.130 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

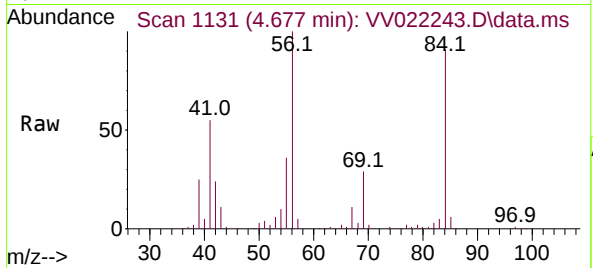
Tgt Ion: 62 Resp: 144445
Ion Ratio Lower Upper
62 100
98 10.5 8.5 12.7





#29
Cyclohexane
Concen: 40.805 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

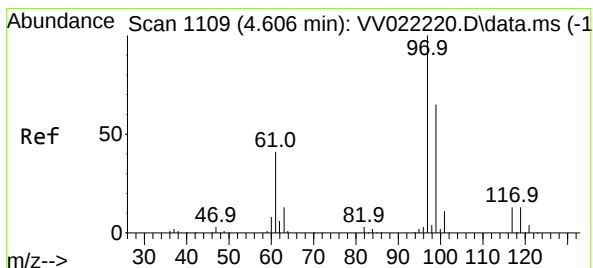
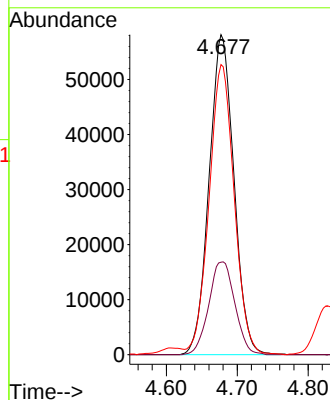
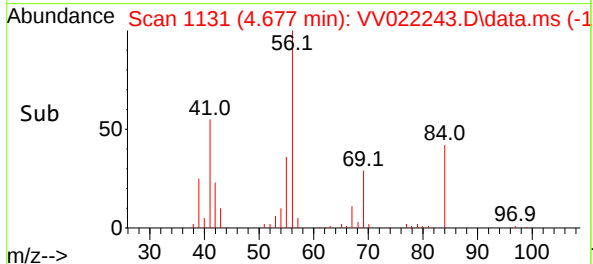
Instrument :
MSVOA_V
ClientSampleId :
E4587MS



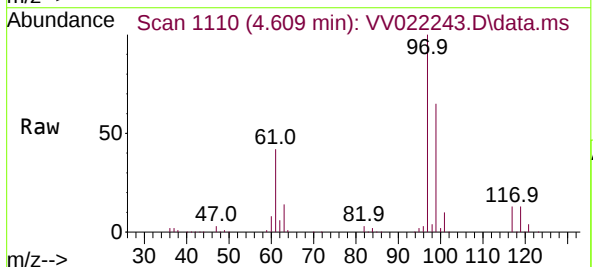
Tgt Ion: 56 Resp: 141598
Ion Ratio Lower Upper
56 100
69 30.5 25.2 37.8
84 91.9 74.6 111.8

Manual Integrations
APPROVED

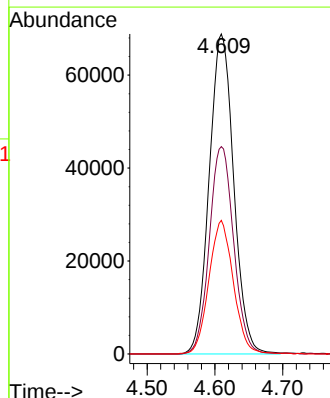
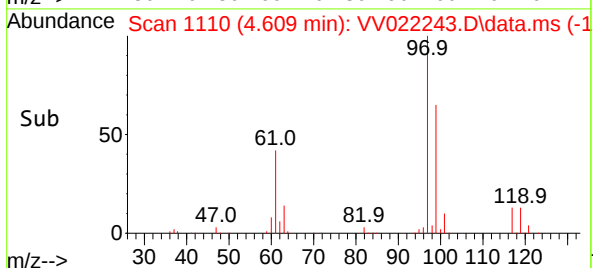
MMDadoda
9/21/2021 1:51:02 PM

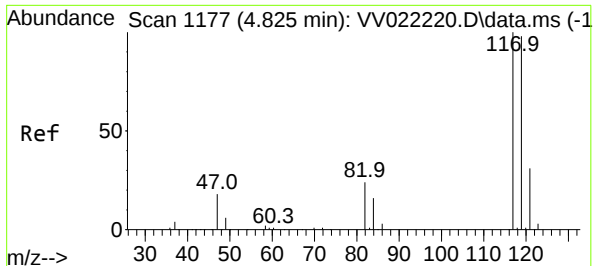


#30
1,1,1-Trichloroethane
Concen: 46.907 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27



Tgt Ion: 97 Resp: 173060
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 41.6 31.8 47.8





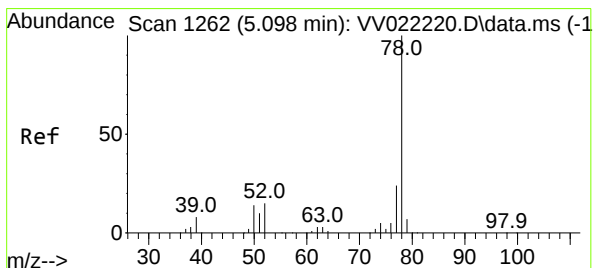
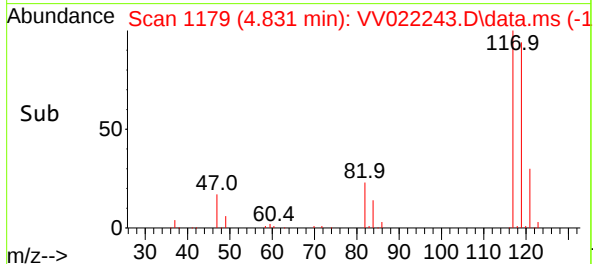
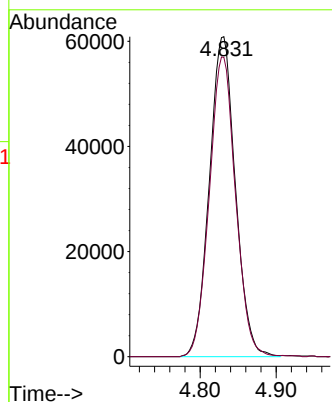
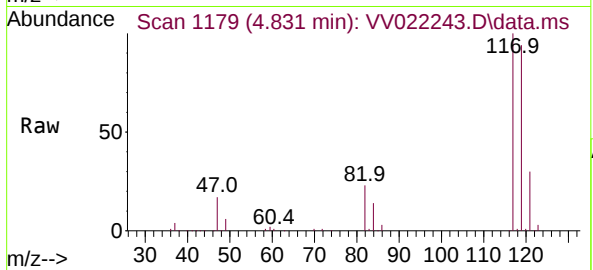
#31
Carbon tetrachloride
Concen: 45.705 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

Tgt Ion:117 Resp: 144875
Ion Ratio Lower Upper
117 100
119 94.3 76.6 114.8

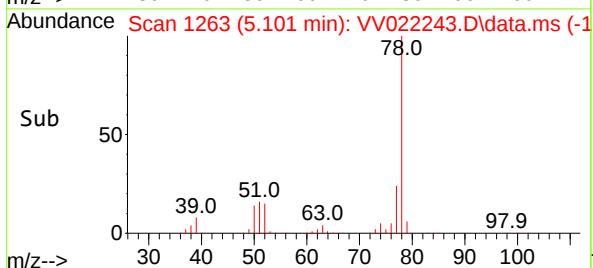
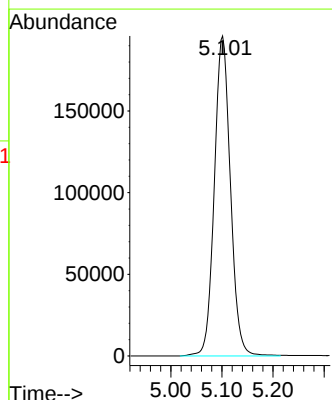
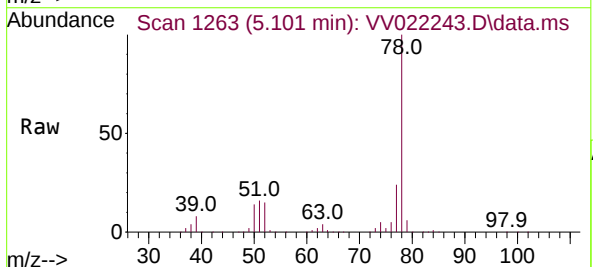
Manual Integrations
APPROVED

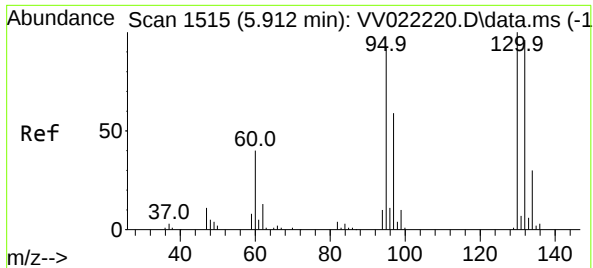
MMDadoda
9/21/2021 1:51:02 PM



#33
Benzene
Concen: 47.486 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion: 78 Resp: 428875





#34

Trichloroethene

Concen: 48.484 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV022243.D

Acq: 20 Sep 2021 19:27

Tgt Ion: 95 Resp: 124035

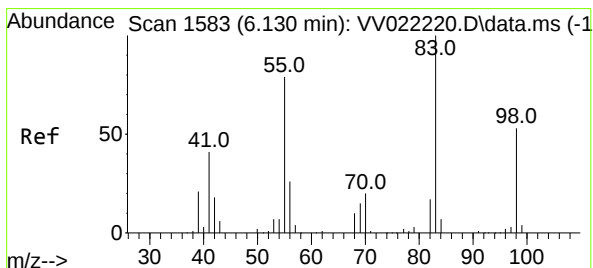
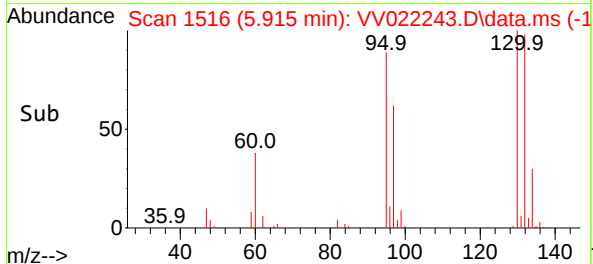
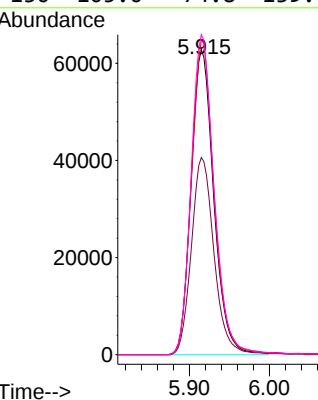
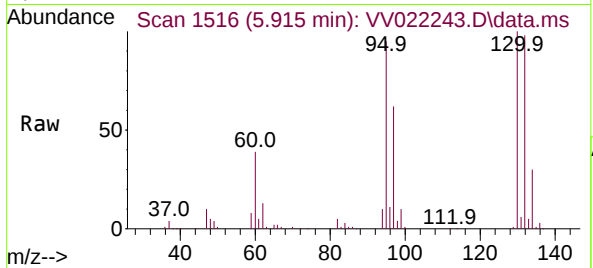
Ion Ratio Lower Upper

95 100

97 64.7 44.1 81.9

132 103.3 70.7 131.3

130 105.0 74.8 139.0



#35

Methylcyclohexane

Concen: 39.884 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.003 min

Lab File: VV022243.D

Acq: 20 Sep 2021 19:27

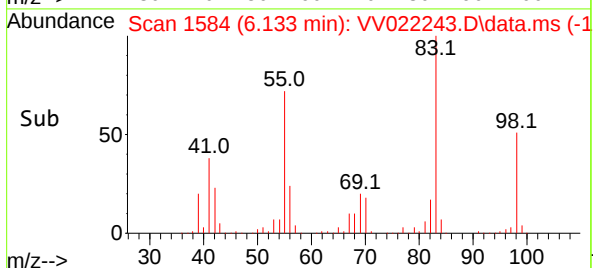
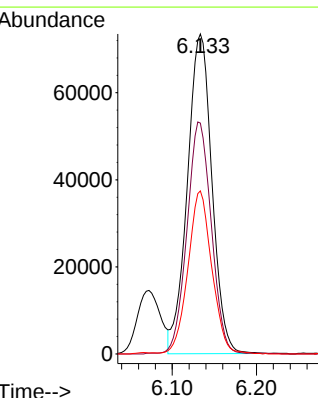
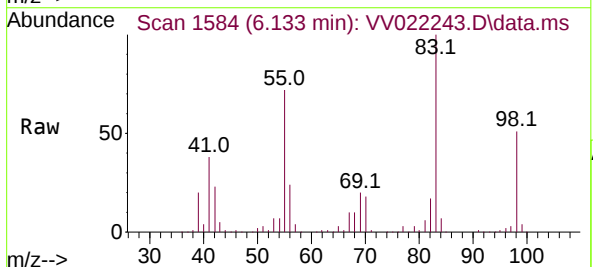
Tgt Ion: 83 Resp: 149162

Ion Ratio Lower Upper

83 100

55 71.8 56.8 85.2

98 49.6 39.9 59.9



Instrument :

MSVOA_V

ClientSampleId :

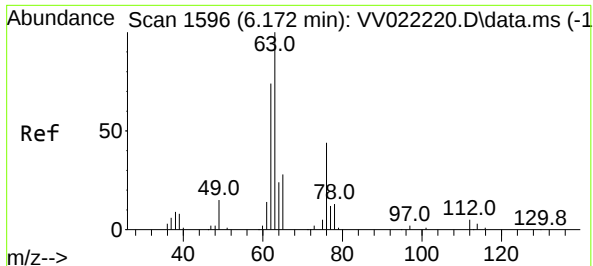
E4587MS

Manual Integrations

APPROVED

MMDadoda

9/21/2021 1:51:02 PM



#37

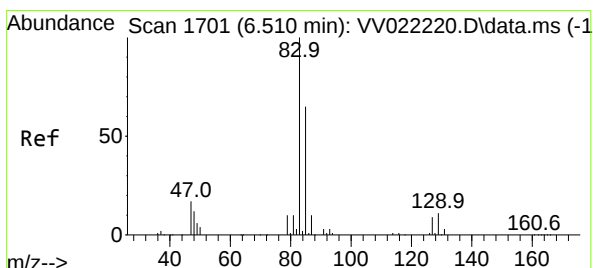
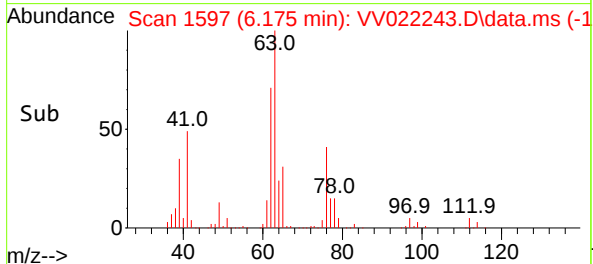
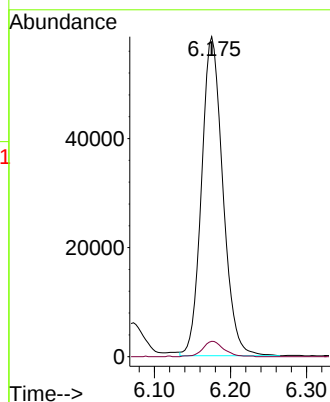
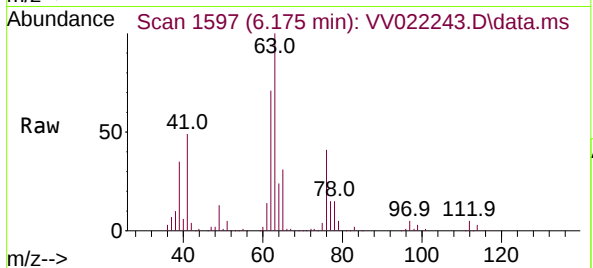
1,2-Dichloropropane
Concen: 48.741 ug/L
RT: 6.175 min Scan# 1597
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion: 63 Resp: 114110
Ion Ratio Lower Upper
63 100
112 4.8 3.8 5.6

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

Manual Integrations
APPROVED

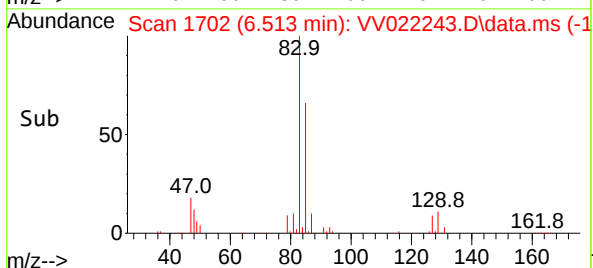
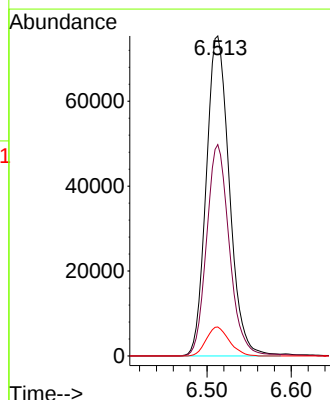
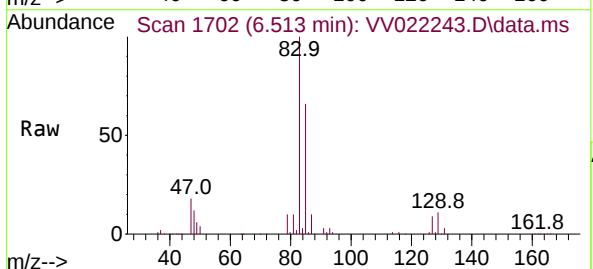
MMDadoda
9/21/2021 1:51:02 PM

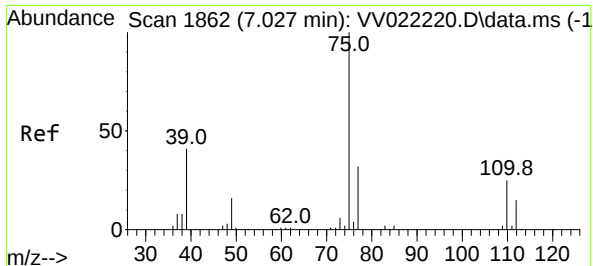


#38

Bromodichloromethane
Concen: 48.094 ug/L
RT: 6.513 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion: 83 Resp: 143991
Ion Ratio Lower Upper
83 100
85 66.0 44.8 83.2
127 9.0 7.3 10.9





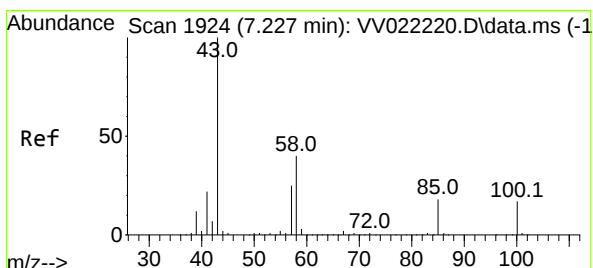
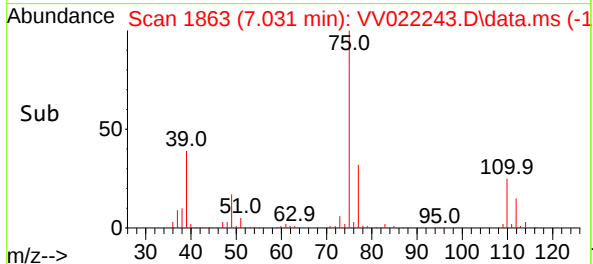
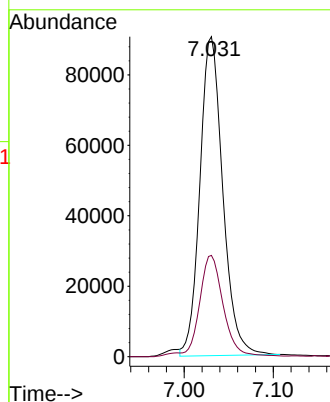
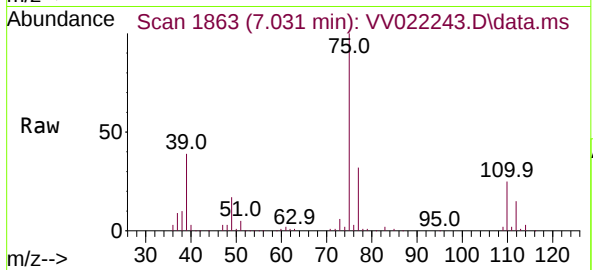
#39
cis-1,3-Dichloropropene
Concen: 44.703 ug/L
RT: 7.031 min Scan# 1863
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

Tgt Ion: 75 Resp: 161582
Ion Ratio Lower Upper
75 100
77 31.7 22.7 42.1

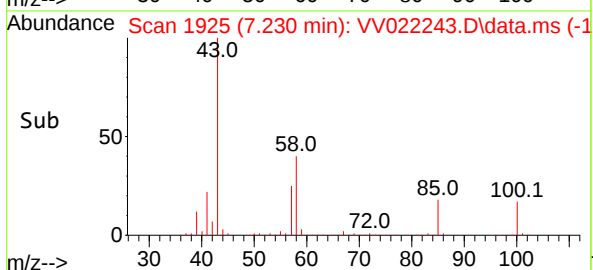
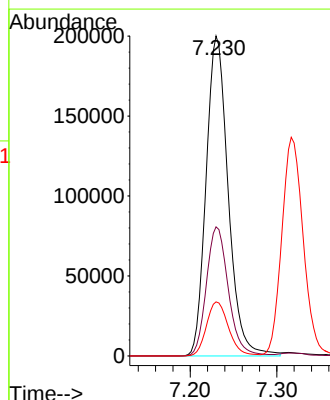
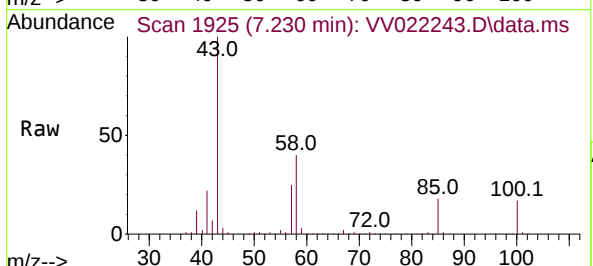
Manual Integrations
APPROVED

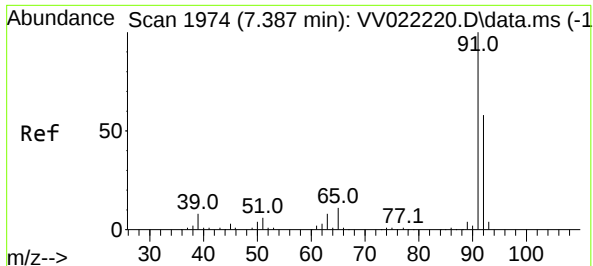
MMDadoda
9/21/2021 1:51:02 PM



#40
4-Methyl-2-pentanone
Concen: 111.751 ug/L
RT: 7.230 min Scan# 1925
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion: 43 Resp: 354688
Ion Ratio Lower Upper
43 100
58 40.2 33.3 49.9
100 16.9 14.5 21.7





#42

Toluene

Concen: 47.075 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV022243.D

Acq: 20 Sep 2021 19:27

Tgt Ion: 91 Resp: 458874

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.8

Instrument :

MSVOA_V

ClientSampleId :

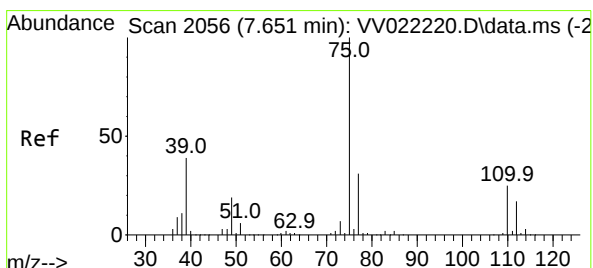
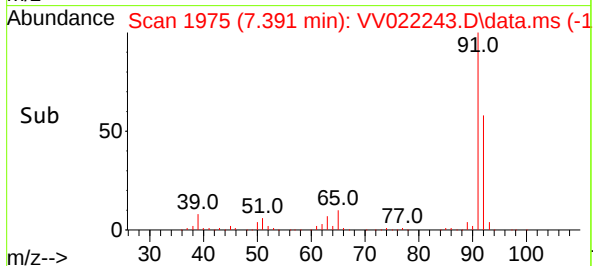
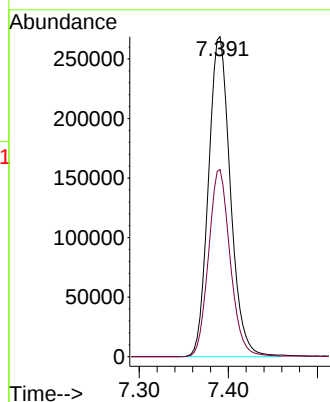
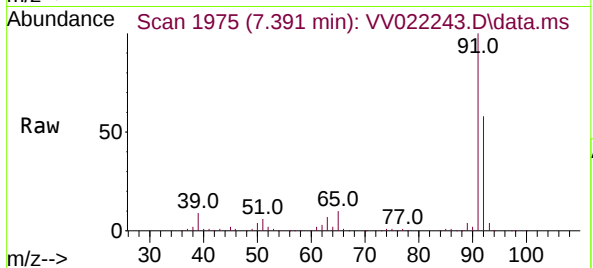
E4587MS

Manual Integrations

APPROVED

MMDadoda

9/21/2021 1:51:02 PM



#44

trans-1,3-Dichloropropene

Concen: 47.430 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VV022243.D

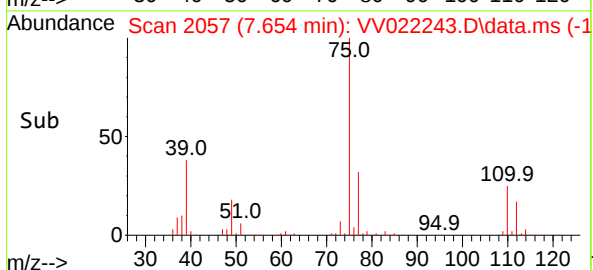
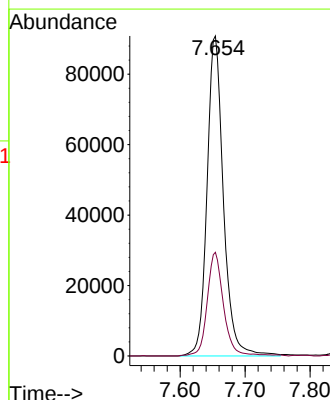
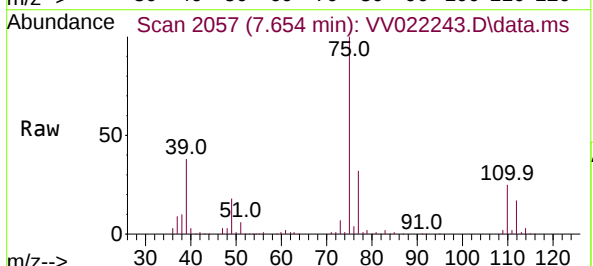
Acq: 20 Sep 2021 19:27

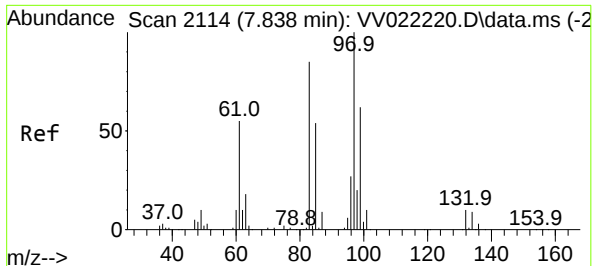
Tgt Ion: 75 Resp: 159558

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6





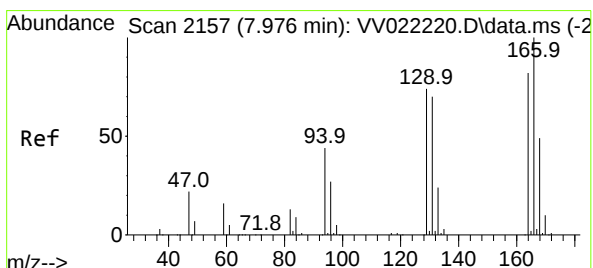
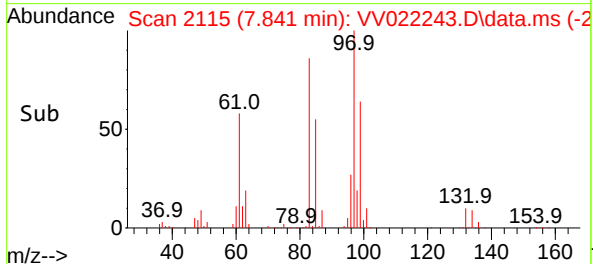
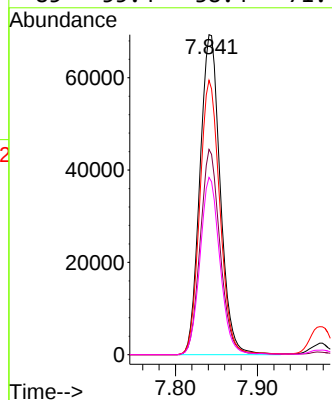
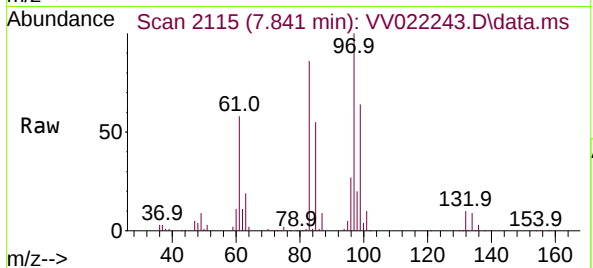
#45
1,1,2-Trichloroethane
Concen: 50.088 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:	97	Resp:	119315
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.8	81.4
83	85.8	58.8	109.2
85	55.4	38.4	71.4

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

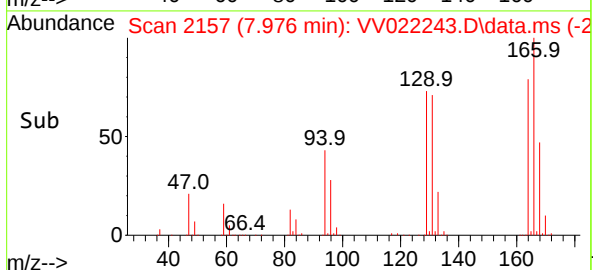
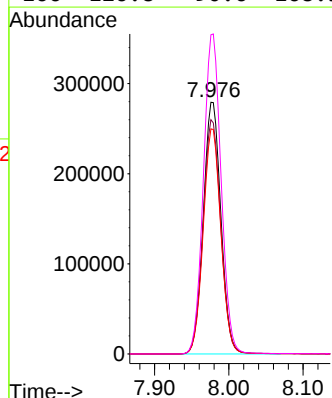
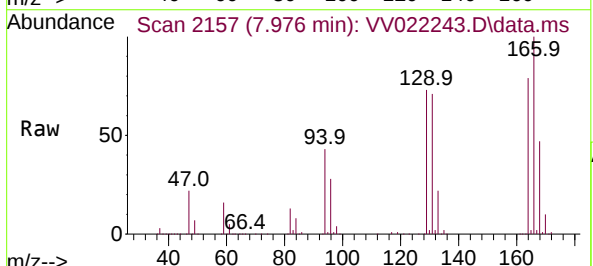
Manual Integrations
APPROVED

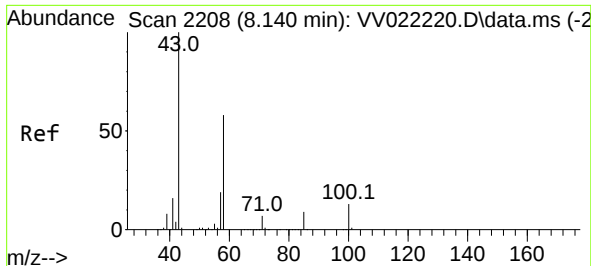
MMDadoda
9/21/2021 1:51:02 PM



#46
Tetrachloroethene
Concen: 231.433 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:	164	Resp:	460372
Ion	Ratio	Lower	Upper
164	100		
129	93.0	62.9	116.9
131	89.5	61.0	113.4
166	126.8	90.6	168.3





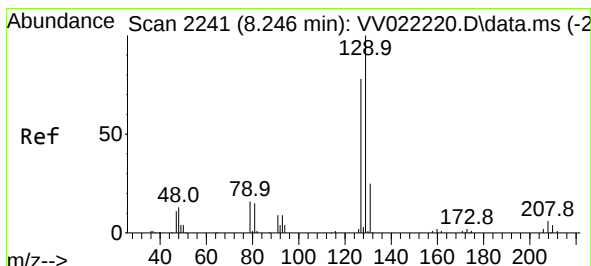
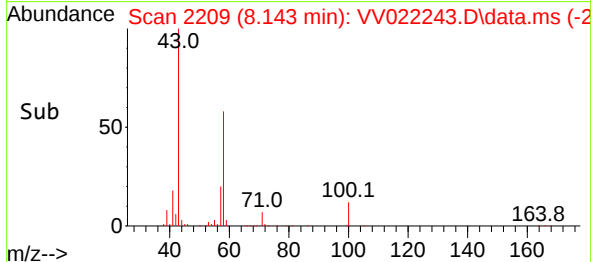
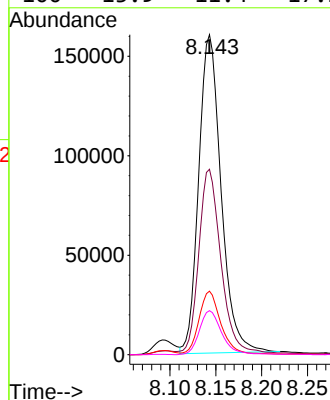
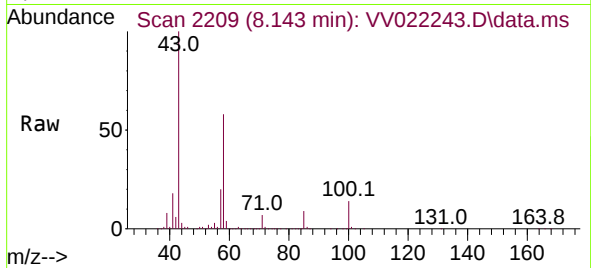
#48
2-Hexanone
Concen: 110.453 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:	43	Resp:	272002
Ion	Ratio	Lower	Upper
43	100		
58	57.1	47.5	71.3
57	19.5	15.9	23.9
100	13.9	11.4	17.2

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

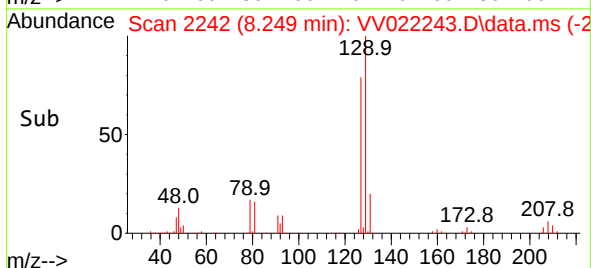
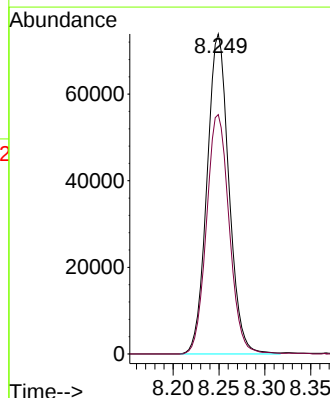
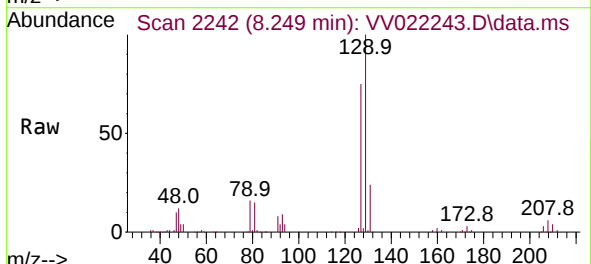
Manual Integrations
APPROVED

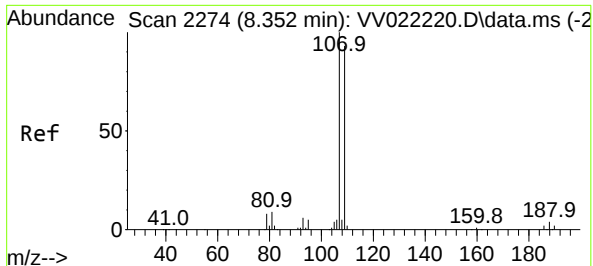
MMDadoda
9/21/2021 1:51:02 PM



#49
Dibromochloromethane
Concen: 48.175 ug/L
RT: 8.249 min Scan# 2242
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:	129	Resp:	122837
Ion	Ratio	Lower	Upper
129	100		
127	74.8	54.1	100.5





#50

1,2-Dibromoethane

Concen: 47.754 ug/L

RT: 8.355 min Scan# 2275

Delta R.T. 0.003 min

Lab File: VV022243.D

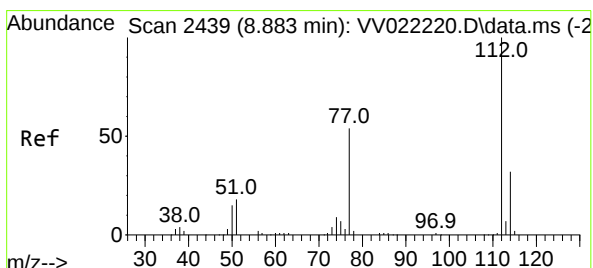
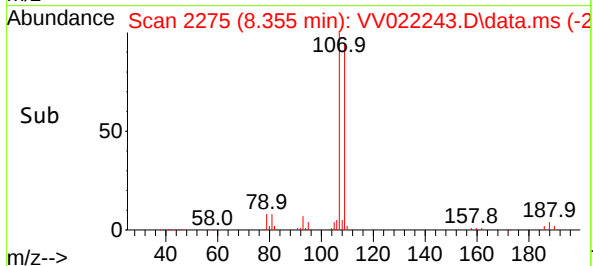
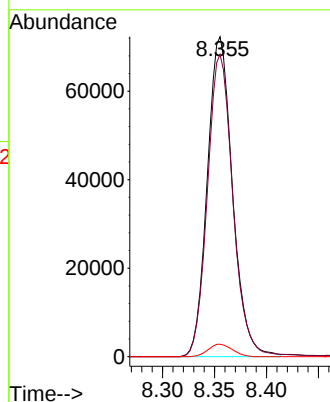
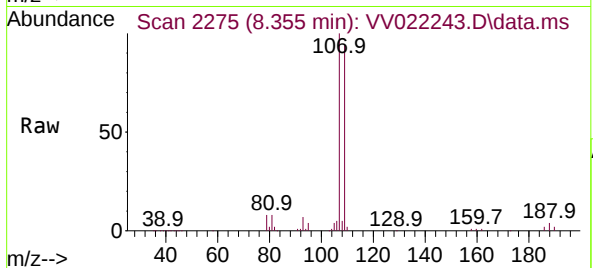
Acq: 20 Sep 2021 19:27

Tgt Ion:	107	Resp:	122085
Ion Ratio	Lower	Upper	
107	100		
109	94.5	65.5	121.6
188	3.9	3.2	4.8

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

Manual Integrations
APPROVED

MMDadoda
9/21/2021 1:51:02 PM



#51

Chlorobenzene

Concen: 45.883 ug/L

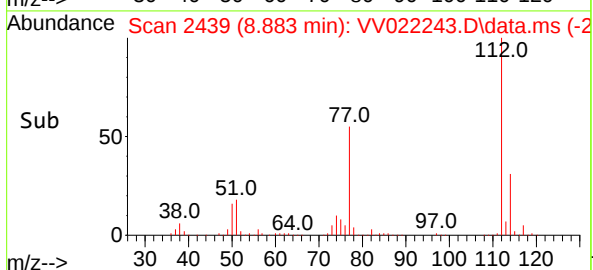
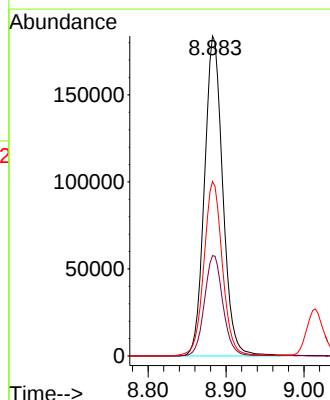
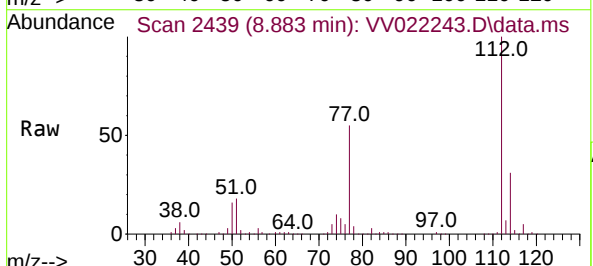
RT: 8.883 min Scan# 2439

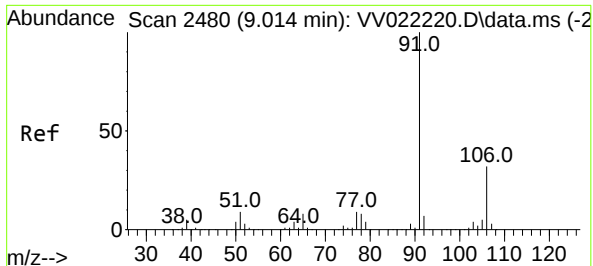
Delta R.T. -0.000 min

Lab File: VV022243.D

Acq: 20 Sep 2021 19:27

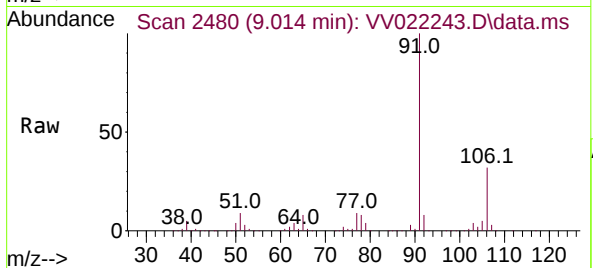
Tgt Ion:	112	Resp:	300705
Ion Ratio	Lower	Upper	
112	100		
114	31.4	22.0	41.0
77	54.5	43.2	64.8





#52
Ethylbenzene
Concen: 45.684 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

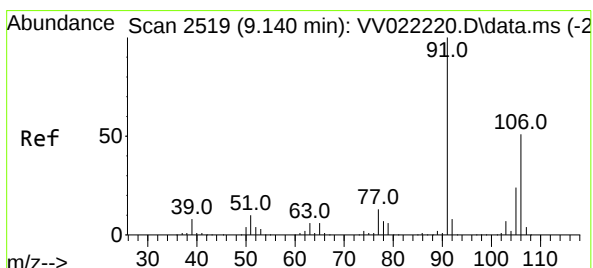
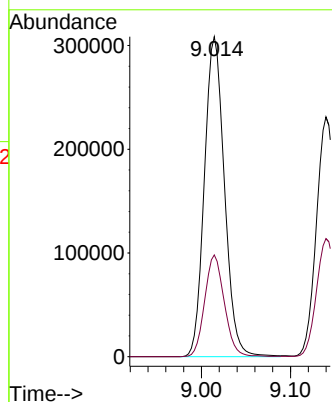
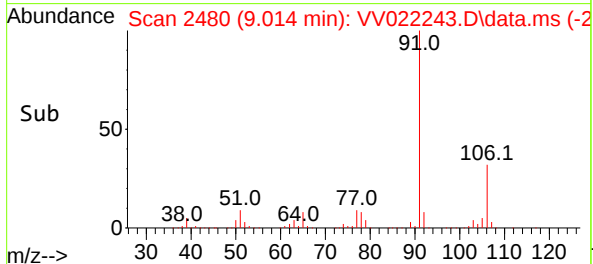
Instrument :
MSVOA_V
ClientSampled :
E4587MS



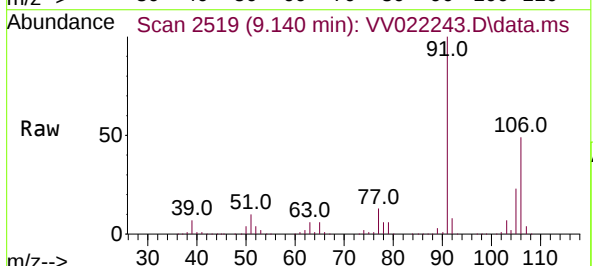
Tgt Ion: 91 Resp: 482059
Ion Ratio Lower Upper
91 100
106 31.8 21.7 40.3

Manual Integrations
APPROVED

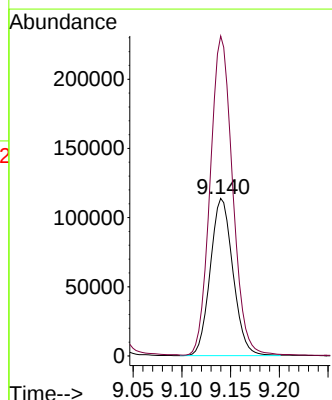
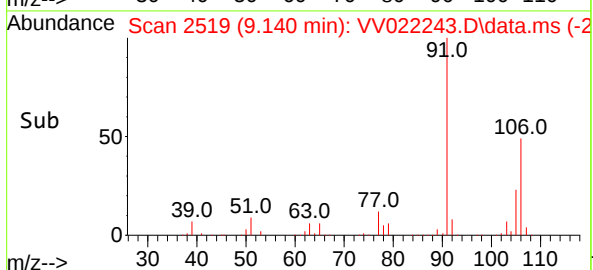
MMDadoda
9/21/2021 1:51:02 PM

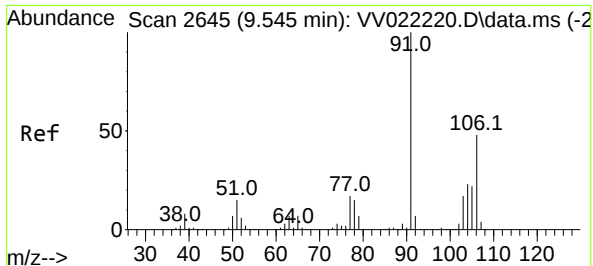


#53
m,p-Xylene
Concen: 44.806 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27



Tgt Ion: 106 Resp: 183768
Ion Ratio Lower Upper
106 100
91 203.1 139.1 258.3





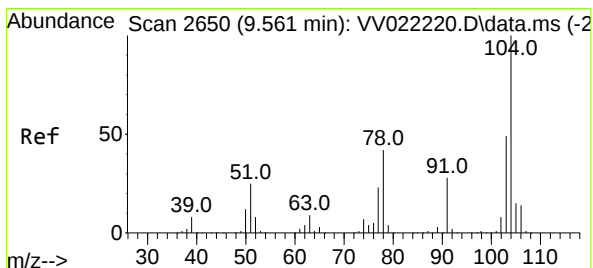
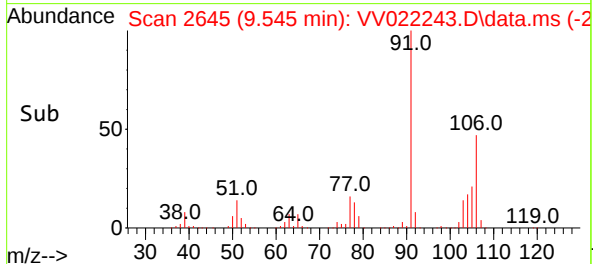
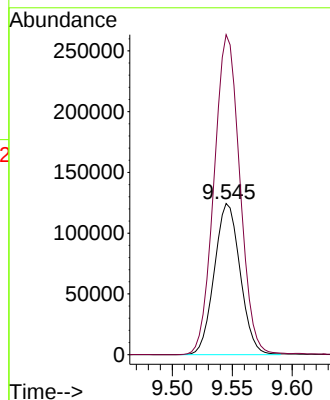
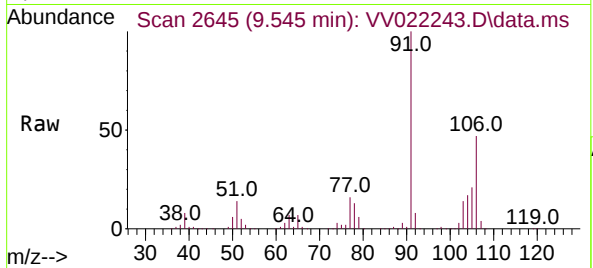
#54
o-Xylene
Concen: 45.891 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:106 Resp: 186232
Ion Ratio Lower Upper
106 100
91 211.7 150.1 278.9

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

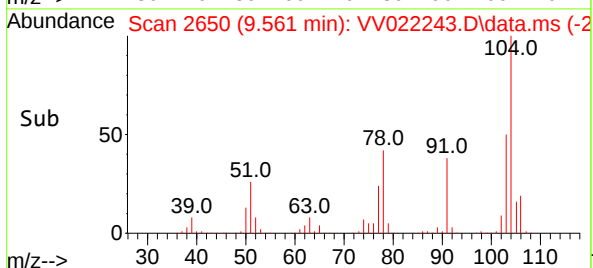
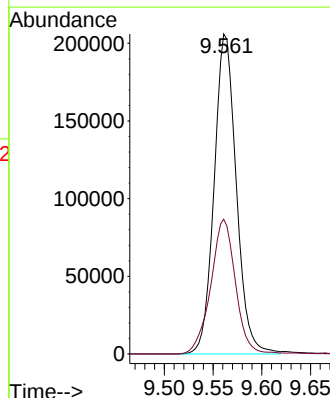
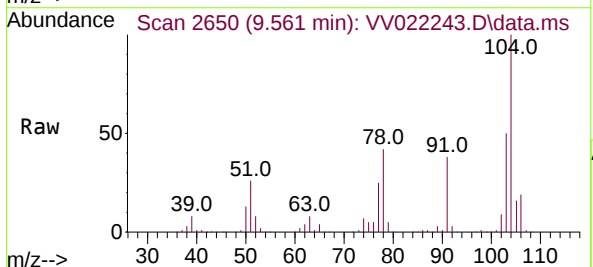
Manual Integrations
APPROVED

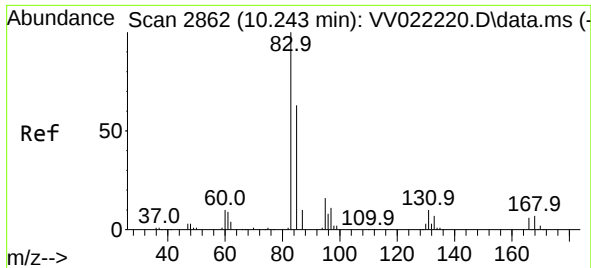
MMDadoda
9/21/2021 1:51:02 PM



#55
Styrene
Concen: 47.061 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:104 Resp: 325920
Ion Ratio Lower Upper
104 100
78 42.1 28.6 53.2





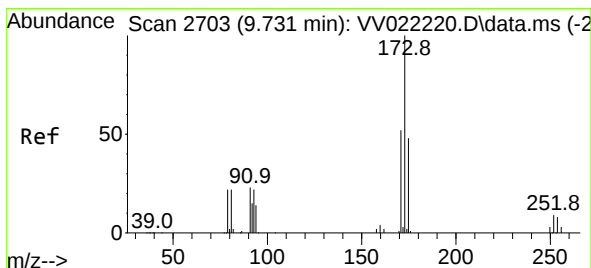
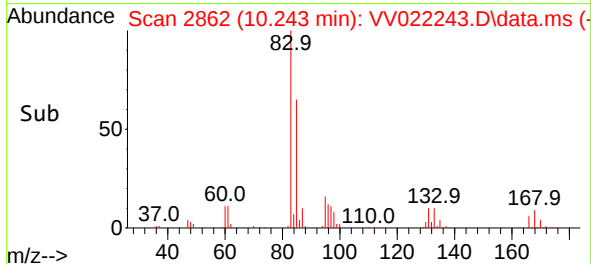
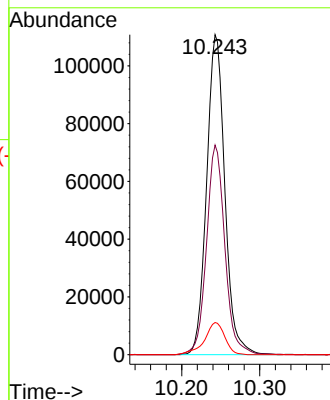
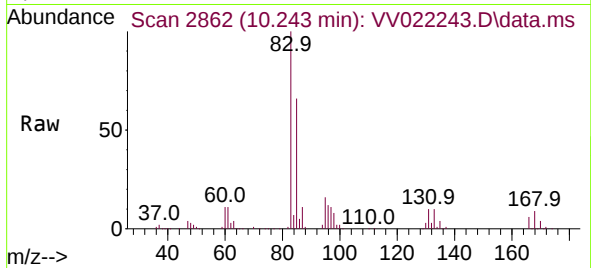
#57
1,1,2,2-Tetrachloroethane
Concen: 52.050 ug/L
RT: 10.243 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:	83	Resp:	179646
Ion Ratio	Lower	Upper	
83	100		
85	65.5	44.7	83.1
131	10.0	8.2	12.2

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

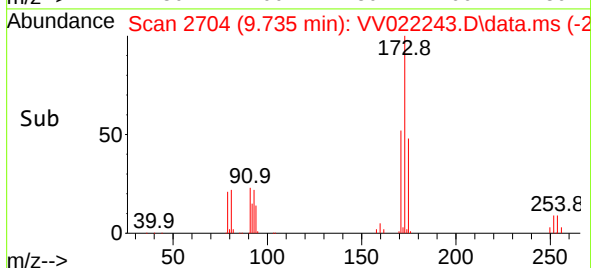
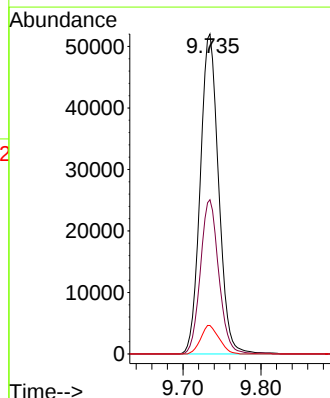
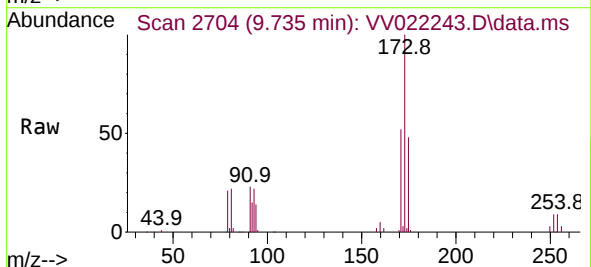
Manual Integrations
APPROVED

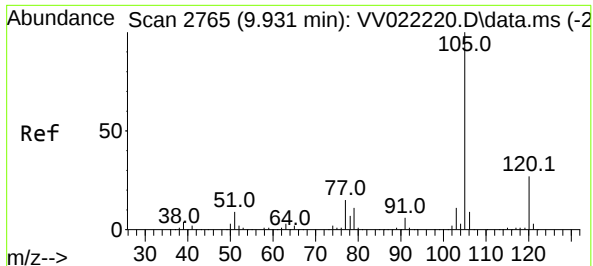
MMDadoda
9/21/2021 1:51:02 PM



#59
Bromoform
Concen: 49.372 ug/L
RT: 9.735 min Scan# 2704
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

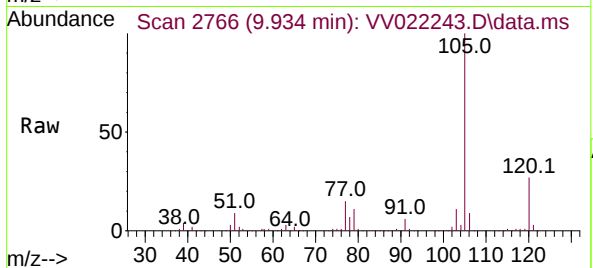
Tgt Ion:	173	Resp:	85098
Ion Ratio	Lower	Upper	
173	100		
175	48.1	38.8	58.2
254	8.9	7.0	10.4





#60
Isopropylbenzene
Concen: 47.615 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

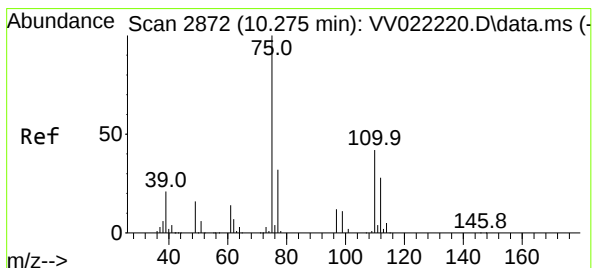
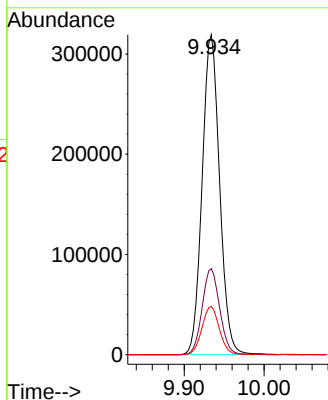
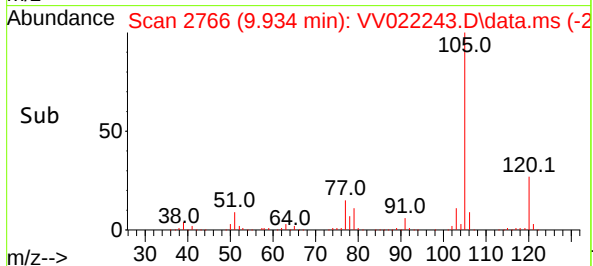
Instrument :
MSVOA_V
ClientSampleId :
E4587MS



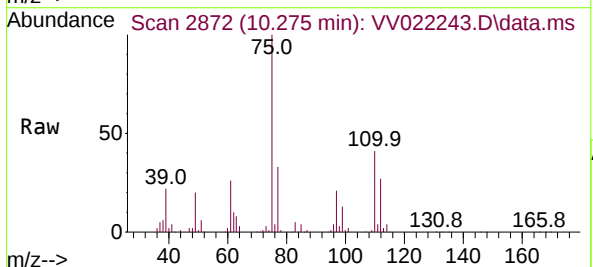
Tgt Ion:105 Resp: 485530
Ion Ratio Lower Upper
105 100
120 27.0 21.5 32.3
77 15.1 11.8 17.6

Manual Integrations
APPROVED

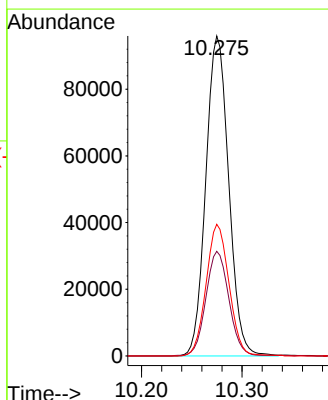
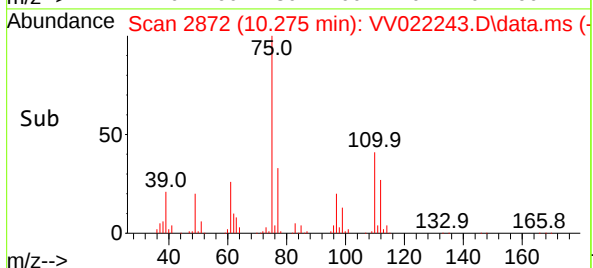
MMDadoda
9/21/2021 1:51:02 PM

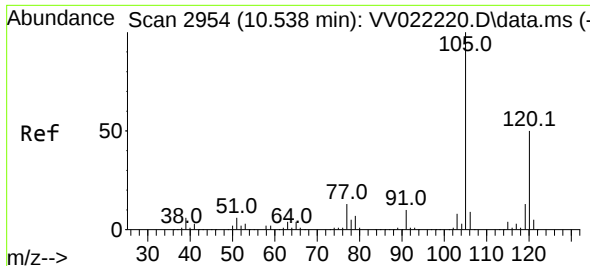


#61
1,2,3-Trichloropropane
Concen: 53.964 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27



Tgt Ion: 75 Resp: 151778
Ion Ratio Lower Upper
75 100
77 32.9 26.2 39.2
110 41.2 33.8 50.6





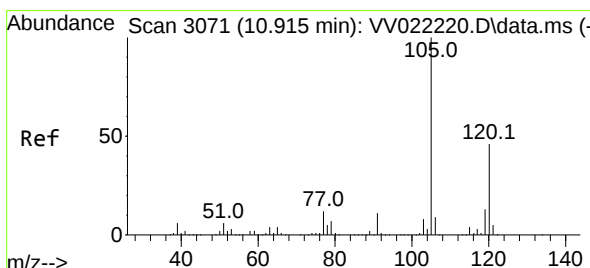
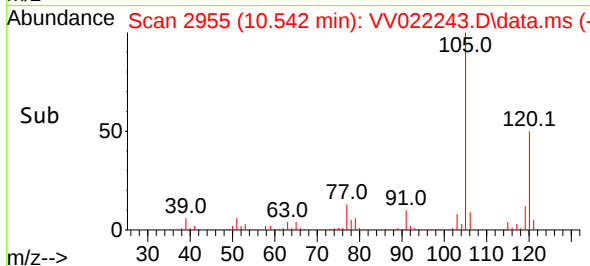
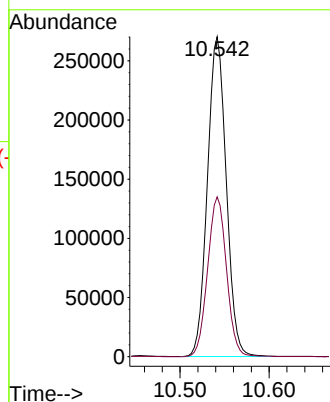
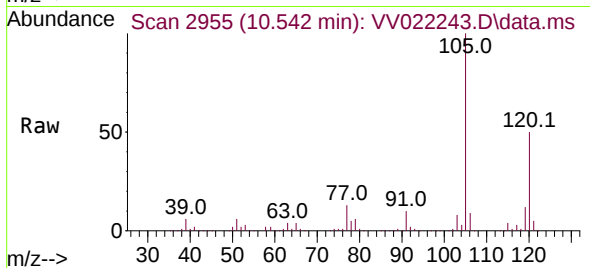
#62
1,3,5-Trimethylbenzene
Concen: 46.310 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:105 Resp: 396451
Ion Ratio Lower Upper
105 100
120 50.2 39.6 59.4

Instrument :
MSVOA_V
ClientSampleId :
E4587MS

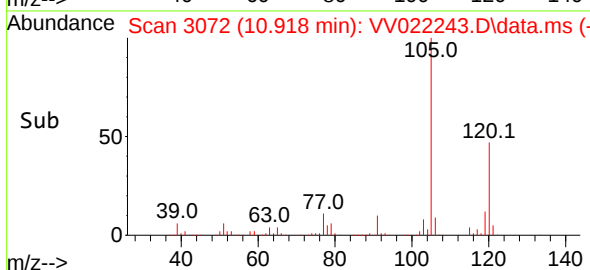
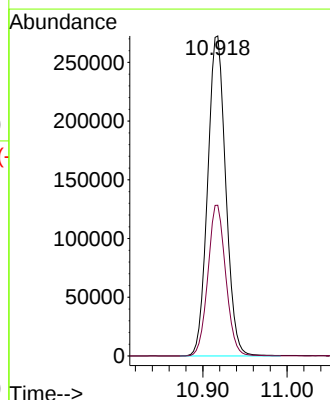
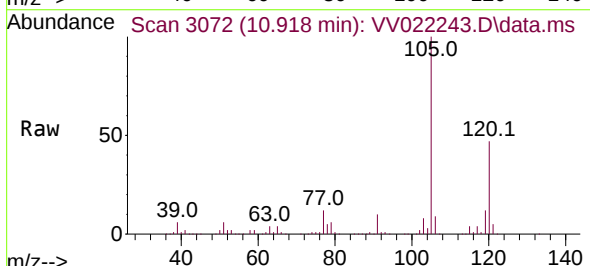
Manual Integrations
APPROVED

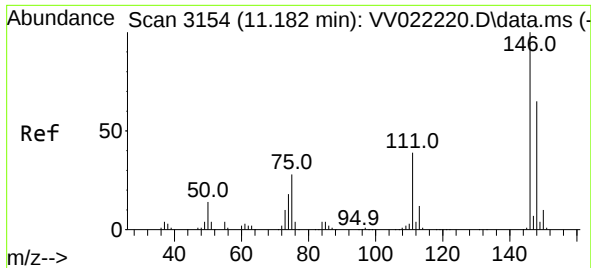
MMDadoda
9/21/2021 1:51:02 PM



#63
1,2,4-Trimethylbenzene
Concen: 46.792 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:105 Resp: 407156
Ion Ratio Lower Upper
105 100
120 46.5 37.4 56.0





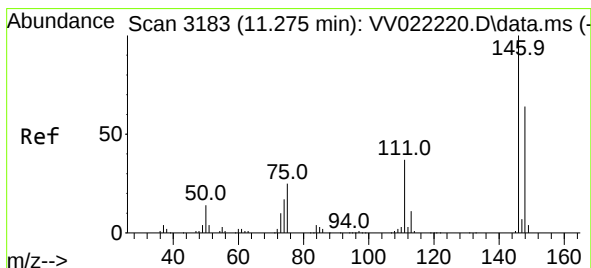
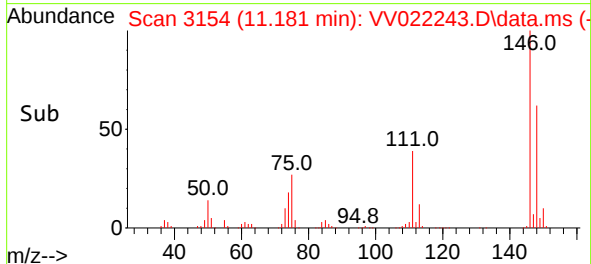
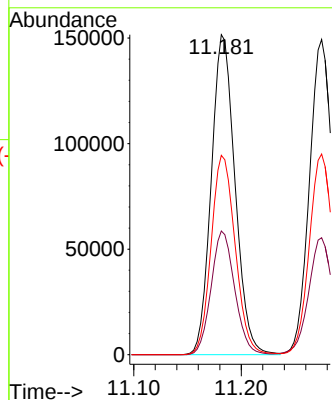
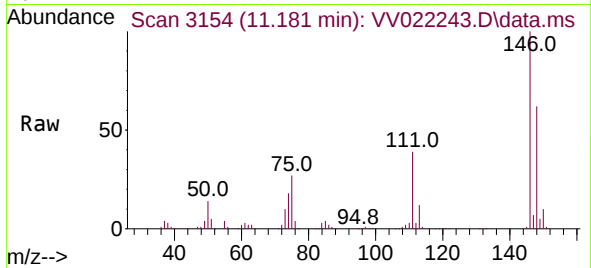
#64
1,3-Dichlorobenzene
Concen: 44.998 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:146 Resp: 232969
Ion Ratio Lower Upper
146 100
111 38.6 26.9 50.1
148 62.3 45.5 84.5

Instrument :
MSVOA_V
ClientSampled :
E4587MS

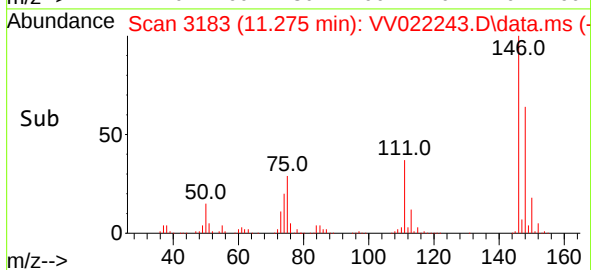
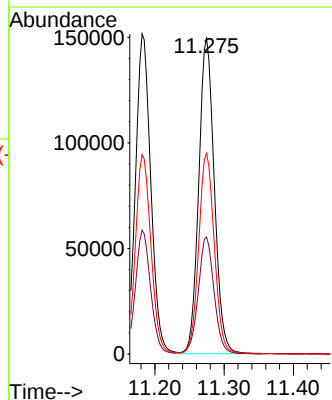
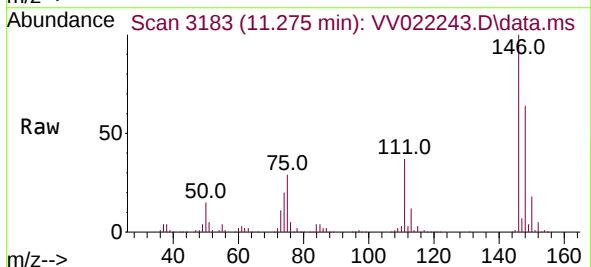
Manual Integrations
APPROVED

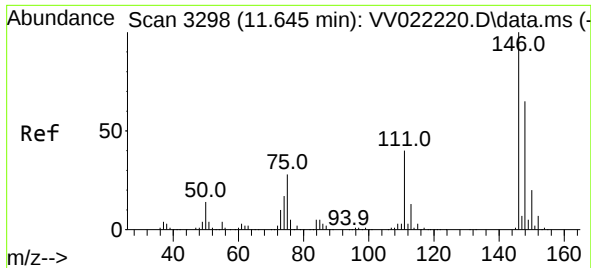
MMDadoda
9/21/2021 1:51:02 PM



#65
1,4-Dichlorobenzene
Concen: 44.058 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:146 Resp: 233415
Ion Ratio Lower Upper
146 100
111 37.1 25.3 46.9
148 63.7 44.4 82.5





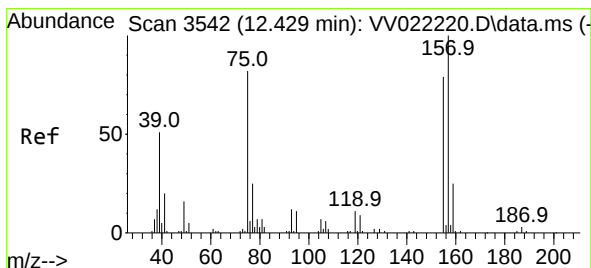
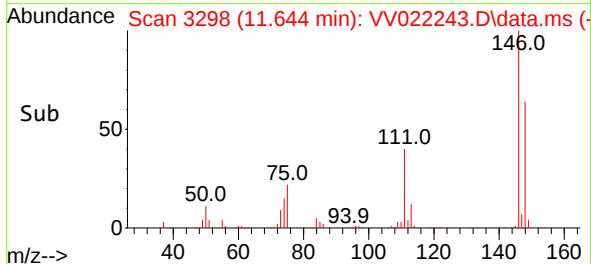
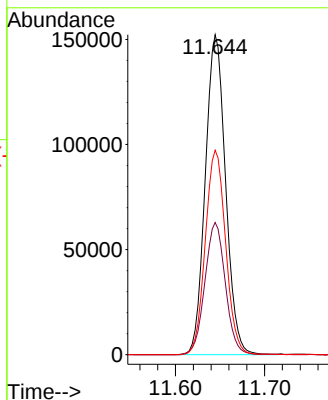
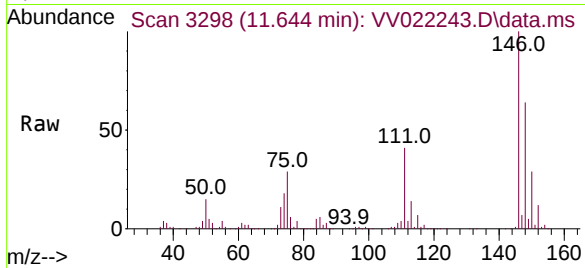
#67
1,2-Dichlorobenzene
Concen: 46.779 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

Tgt Ion:146 Resp: 240482
Ion Ratio Lower Upper
146 100
111 41.3 31.6 47.4
148 63.9 50.6 75.8

Instrument :
MSVOA_V
ClientSampled :
E4587MS

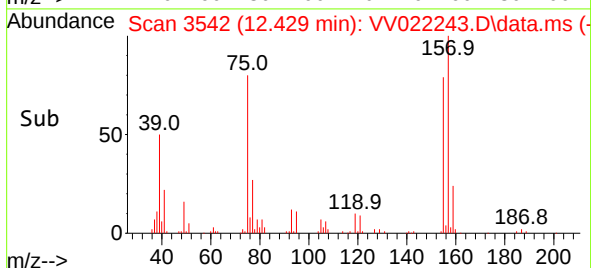
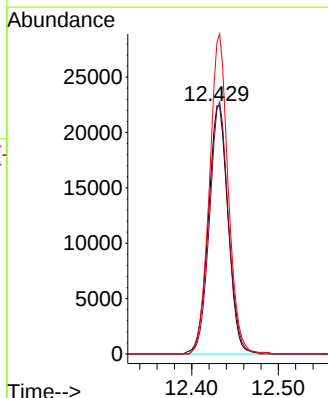
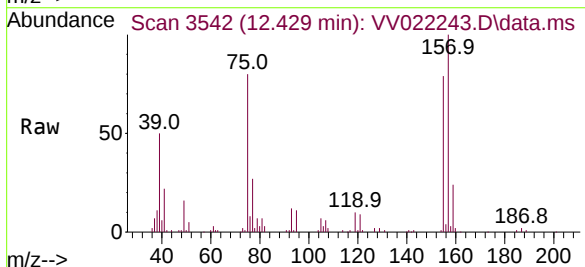
Manual Integrations
APPROVED

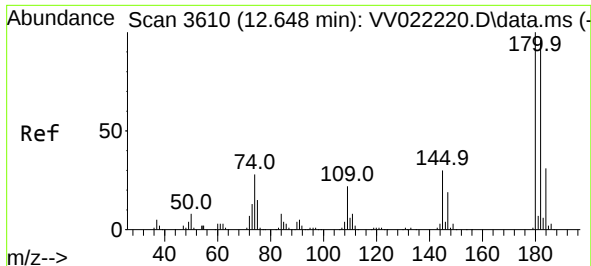
MMDadoda
9/21/2021 1:51:02 PM



#68
1,2-Dibromo-3-chloropropane
Concen: 52.240 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

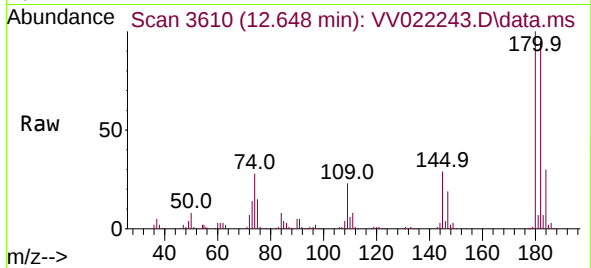
Tgt Ion: 75 Resp: 35411
Ion Ratio Lower Upper
75 100
155 98.7 79.8 119.6
157 125.4 98.3 147.5





#69
 1,3,5-Trichlorobenzene
 Concen: 41.205 ug/L
 RT: 12.648 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VV022243.D
 Acq: 20 Sep 2021 19:27

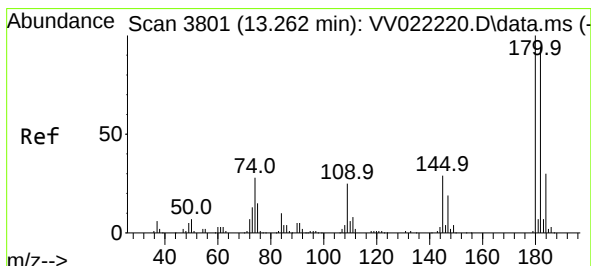
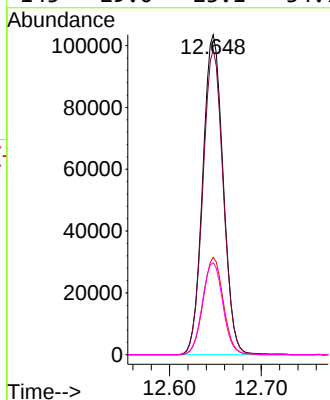
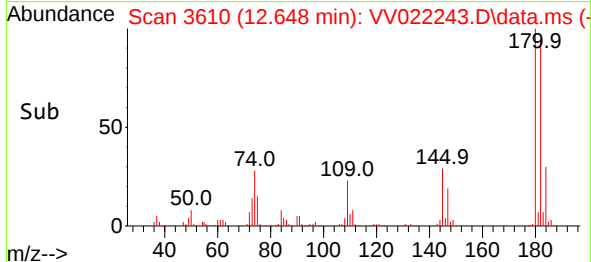
Instrument :
 MSVOA_V
 ClientSampleId :
 E4587MS



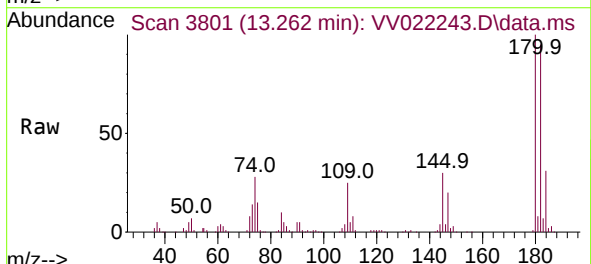
Tgt Ion:180	Resp: 159519
Ion Ratio	Lower Upper
180	100
182	95.3 76.4 114.6
184	30.2 24.0 36.0
145	29.0 23.1 34.7

Manual Integrations
 APPROVED

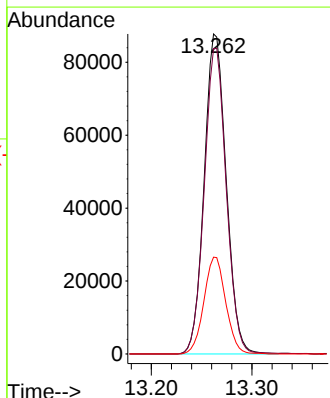
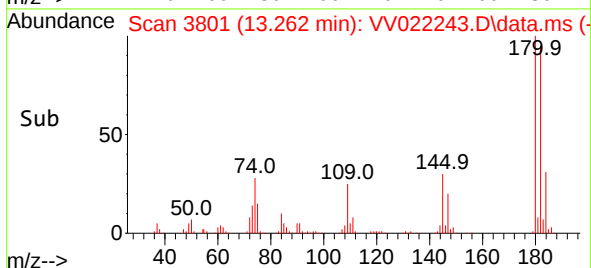
MMDadoda
 9/21/2021 1:51:02 PM

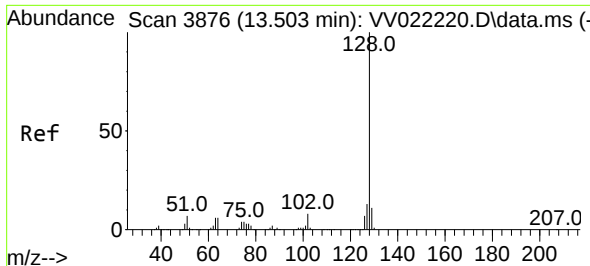


#70
 1,2,4-trichlorobenzene
 Concen: 39.232 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.000 min
 Lab File: VV022243.D
 Acq: 20 Sep 2021 19:27



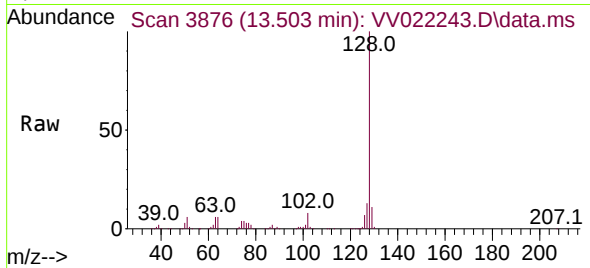
Tgt Ion:180	Resp: 133607
Ion Ratio	Lower Upper
180	100
182	95.5 75.9 113.9
145	30.0 23.8 35.6





#71
Naphthalene
Concen: 46.413 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27

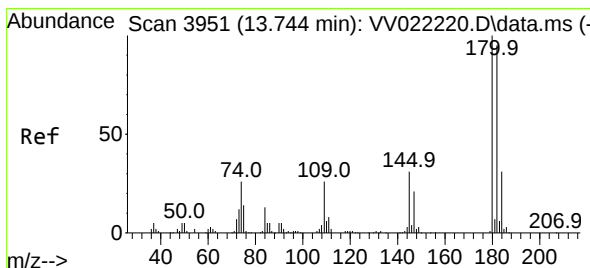
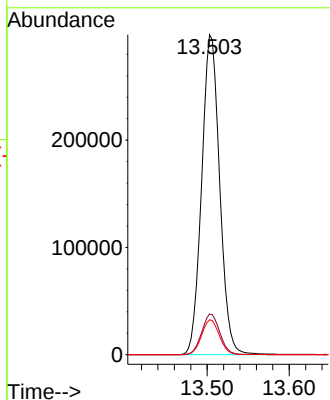
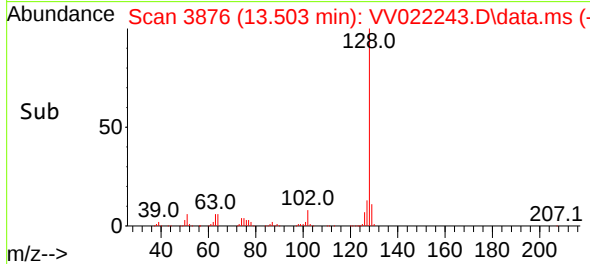
Instrument :
MSVOA_V
ClientSampleId :
E4587MS



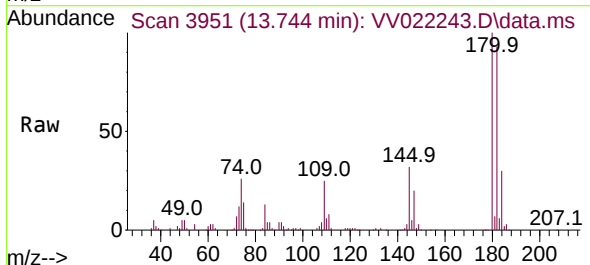
Tgt Ion:128 Resp: 454684
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.8 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
9/21/2021 1:51:02 PM



#72
1,2,3-Trichlorobenzene
Concen: 44.463 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VV022243.D
Acq: 20 Sep 2021 19:27



Tgt Ion:180 Resp: 147692
Ion Ratio Lower Upper
180 100
182 93.5 76.3 114.5
145 32.0 25.4 38.0

