

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW083121\
 Data File : VW022048.D
 Acq On : 31 Aug 2021 18:09
 Operator : SY/MD
 Sample : M3526-02MS
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW7A9MS

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 12:30:22 PM

Quant Time: Sep 01 02:47:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 01 02:41:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	382438	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	375080	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	221086	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	59538	22.480	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	44.960%#
7) Chloroethane-d5	1.529	69	17370	8.398	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	16.800%#
11) 1,1-Dichloroethene-d2	2.076	63	123752	28.254	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.500%#
21) 2-Butanone-d5	3.892	46	159815	87.987	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.990%
24) Chloroform-d	4.346	84	152135	31.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.000%#
26) 1,2-Dichloroethane-d4	5.030	65	92279	32.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.880%#
32) Benzene-d6	5.043	84	260295	25.586	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	51.180%#
36) 1,2-Dichloropropane-d6	6.069	67	96288	30.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	60.200%#
41) Toluene-d8	7.317	98	222882	23.208	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	46.420%#
43) trans-1,3-Dichloroprop...	7.625	79	44047	28.925	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.860%#
47) 2-Hexanone-d5	8.101	63	119858	97.636	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.640%
56) 1,1,2,2-Tetrachloroeth...	10.223	84	181643	44.330	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.660%
66) 1,2-Dichlorobenzene-d4	11.628	152	130593	30.047	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	60.100%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	108807	41.390	ug/L	100
3) Chloromethane	1.236	50	124010	44.550	ug/L	99
5) Vinyl chloride	1.304	62	129777	46.255	ug/L	97
6) Bromomethane	1.490	94	37668	22.331	ug/L	98
8) Chloroethane	1.545	64	23635	13.466	ug/L	98
9) Trichlorofluoromethane	1.690	101	168468	42.165	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	107193	45.742	ug/L	99
12) 1,1-Dichloroethene	2.082	96	101272	45.908	ug/L	# 79
13) Acetone	2.178	43	126401m	83.057	ug/L	
14) Carbon disulfide	2.259	76	280737	42.176	ug/L	99
15) Methyl Acetate	2.433	43	145369	49.050	ug/L	100
16) Methylene chloride	2.490	84	143357	48.504	ug/L	99
17) trans-1,2-Dichloroethene	2.741	96	125127	46.912	ug/L	98
18) Methyl tert-butyl Ether	2.773	73	402751	47.518	ug/L	99
19) 1,1-Dichloroethane	3.175	63	223827	47.116	ug/L	100
20) cis-1,2-Dichloroethene	3.902	96	139053	46.841	ug/L	99
22) 2-Butanone	3.976	43	192012	89.758	ug/L	100
23) Bromochloromethane	4.239	128	75983	48.061	ug/L	99
25) Chloroform	4.371	83	239586	47.643	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW083121\
 Data File : VW022048.D
 Acq On : 31 Aug 2021 18:09
 Operator : SY/MD
 Sample : M3526-02MS
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW7A9MS

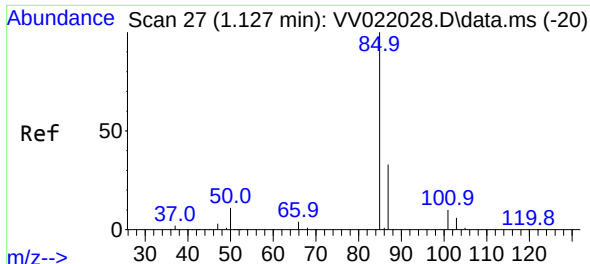
Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 12:30:22 PM

Quant Time: Sep 01 02:47:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 01 02:41:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	167697	49.748	ug/L	99
29) Cyclohexane	4.664	56	185703	44.290	ug/L	100
30) 1,1,1-Trichloroethane	4.600	97	201016	45.093	ug/L	100
31) Carbon tetrachloride	4.818	117	168020	43.870	ug/L	100
33) Benzene	5.092	78	505159	46.291	ug/L	100
34) Trichloroethene	5.911	95	134571	43.535	ug/L	100
35) Methylcyclohexane	6.124	83	198453	43.916	ug/L	99
37) 1,2-Dichloropropane	6.172	63	132751	46.929	ug/L	99
38) Bromodichloromethane	6.513	83	164158	45.379	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	204224	46.761	ug/L	99
40) 4-Methyl-2-pentanone	7.233	43	396789	103.466	ug/L	99
42) Toluene	7.387	91	550921	46.776	ug/L	100
44) trans-1,3-Dichloropropene	7.654	75	194180	47.772	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	138367	48.074	ug/L	99
46) Tetrachloroethene	7.976	164	108084	44.969	ug/L	99
48) 2-Hexanone	8.153	43	306086	102.868	ug/L	99
49) Dibromochloromethane	8.249	129	143198	46.479	ug/L	99
50) 1,2-Dibromoethane	8.355	107	147405	47.719	ug/L	100
51) Chlorobenzene	8.882	112	379488	47.923	ug/L	99
52) Ethylbenzene	9.014	91	601542	47.181	ug/L	99
53) m,p-Xylene	9.140	106	238530	48.133	ug/L	97
54) o-Xylene	9.545	106	236612	48.255	ug/L	97
55) Styrene	9.564	104	418016	49.955	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.249	83	232654	55.789	ug/L	100
59) Bromoform	9.738	173	104664	44.573	ug/L	100
60) Isopropylbenzene	9.934	105	627612	45.178	ug/L	100
61) 1,2,3-Trichloropropane	10.278	75	181463	47.358	ug/L	99
62) 1,3,5-Trimethylbenzene	10.541	105	532922	45.694	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	554548	46.780	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	325372	46.130	ug/L	98
65) 1,4-Dichlorobenzene	11.278	146	330502	45.791	ug/L	100
67) 1,2-Dichlorobenzene	11.648	146	322227	46.009	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.432	75	43649	47.266	ug/L	99
69) 1,3,5-Trichlorobenzene	12.648	180	239508	45.412	ug/L	99
70) 1,2,4-trichlorobenzene	13.265	180	209720	45.203	ug/L	99
71) Naphthalene	13.506	128	640690	48.006	ug/L	99
72) 1,2,3-Trichlorobenzene	13.747	180	205106	45.324	ug/L	99

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



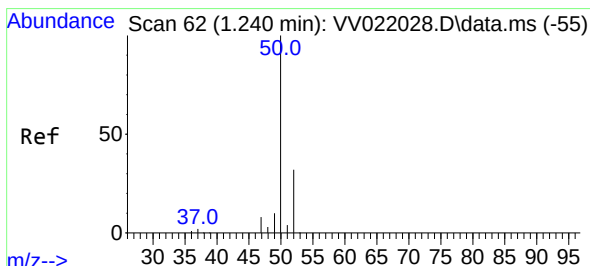
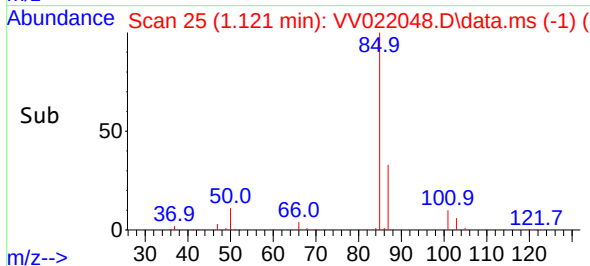
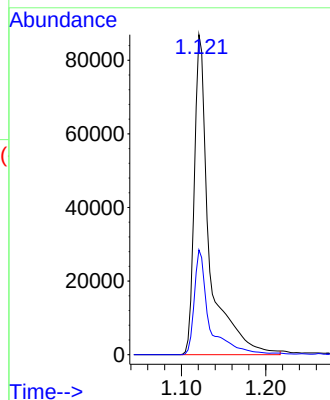
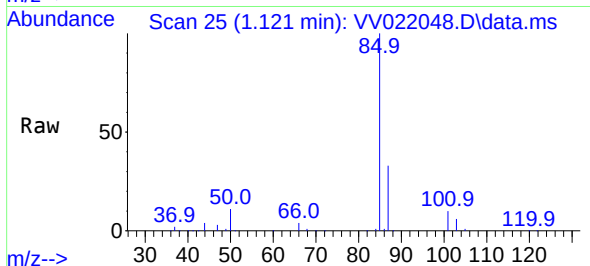
#2
 Dichlorodifluoromethane
 Concen: 41.390 ug/L
 RT: 1.121 min Scan# 25
 Delta R.T. -0.006 min
 Lab File: VV022048.D
 Acq: 31 Aug 2021 18:09

Tgt Ion: 85 Resp: 108807
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.0 39.0

Instrument :
 MSVOA_V
 ClientSampled :
 EW7A9MS

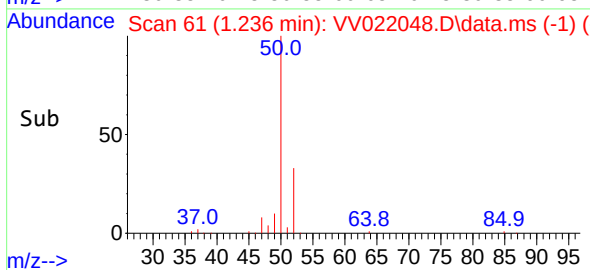
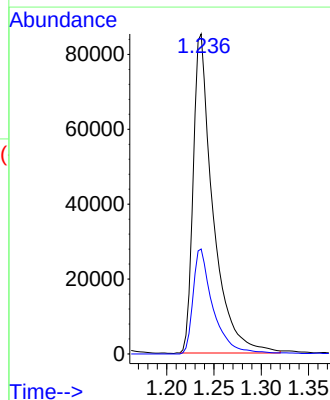
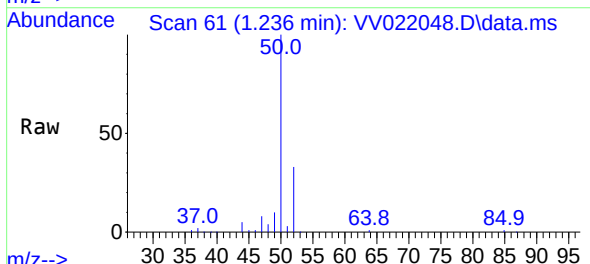
Manual Integrations
 APPROVED

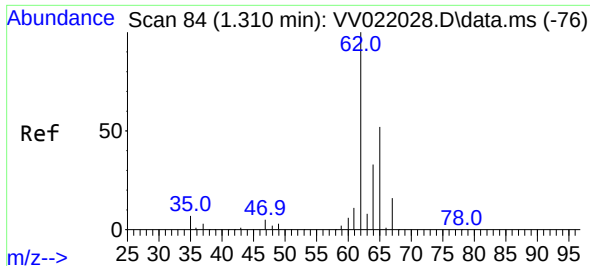
MMDadoda
 9/1/2021 12:30:22 PM



#3
 Chloromethane
 Concen: 44.550 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VV022048.D
 Acq: 31 Aug 2021 18:09

Tgt Ion: 50 Resp: 124010
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.5 41.9





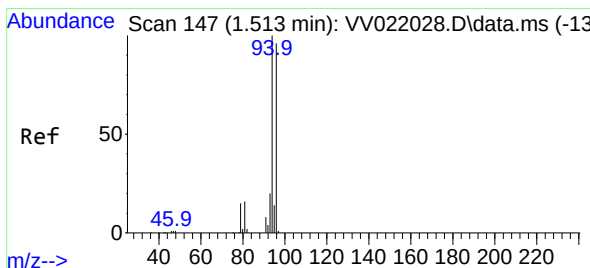
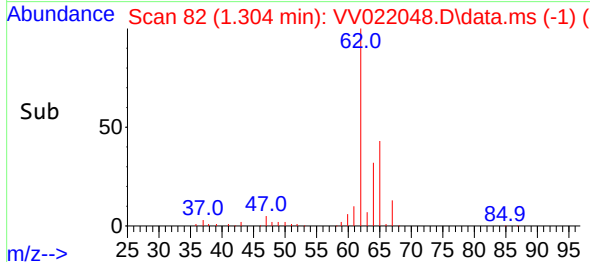
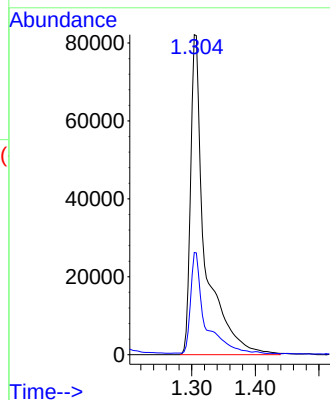
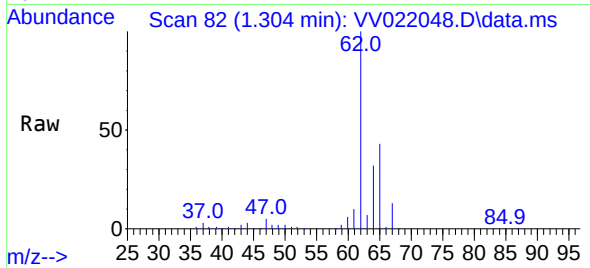
#5
 Vinyl chloride
 Concen: 46.255 ug/L
 RT: 1.304 min Scan# 82
 Delta R.T. -0.006 min
 Lab File: VV022048.D
 Acq: 31 Aug 2021 18:09

Tgt Ion: 62 Resp: 129777
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.4 43.6

Instrument :
 MSVOA_V
 ClientSampleId :
 EW7A9MS

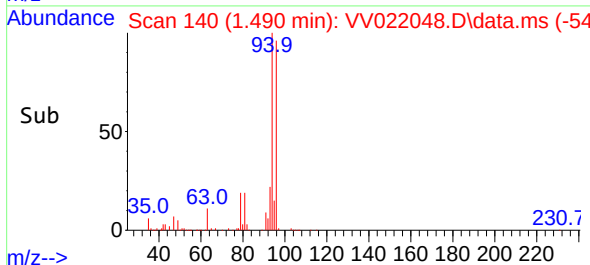
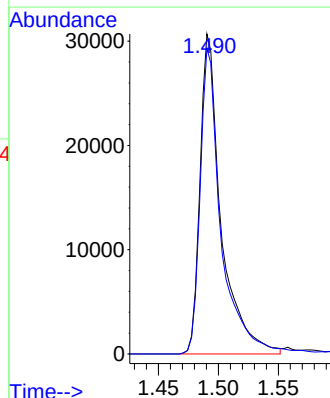
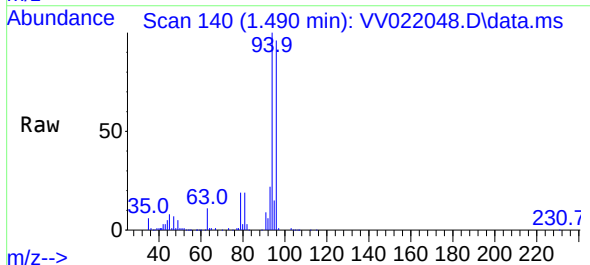
Manual Integrations
 APPROVED

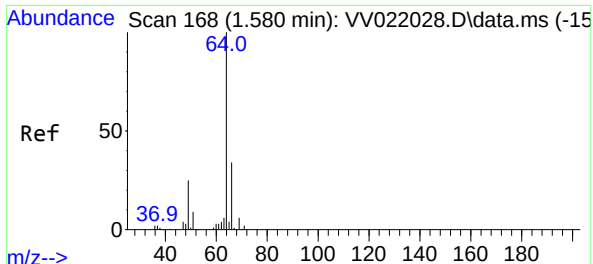
MMDadoda
 9/1/2021 12:30:22 PM



#6
 Bromomethane
 Concen: 22.331 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.022 min
 Lab File: VV022048.D
 Acq: 31 Aug 2021 18:09

Tgt Ion: 94 Resp: 37668
 Ion Ratio Lower Upper
 94 100
 96 95.5 65.8 122.2





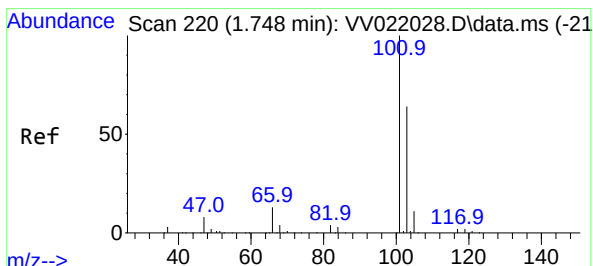
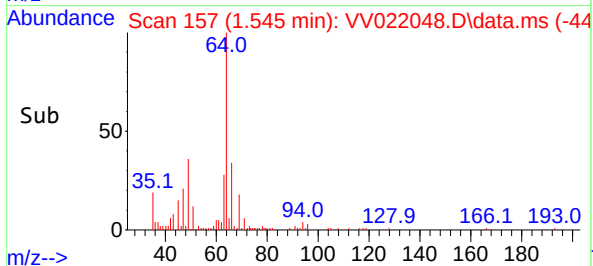
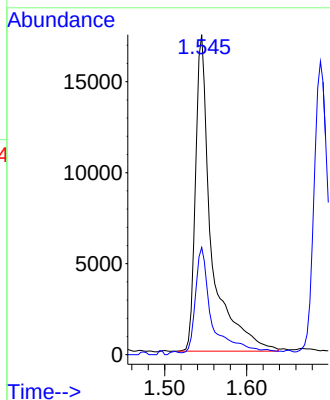
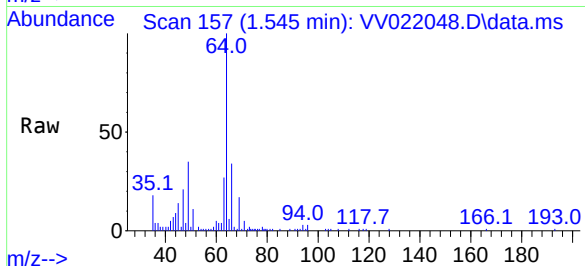
#8
Chloroethane
Concen: 13.466 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.035 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 64 Resp: 23635
Ion Ratio Lower Upper
64 100
66 33.5 22.7 42.3

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

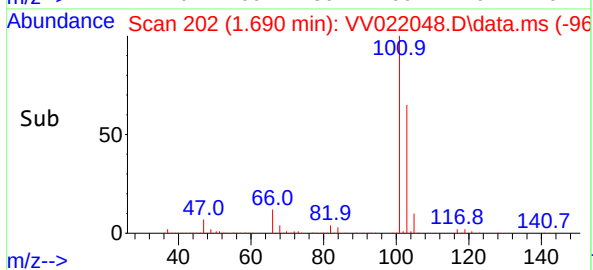
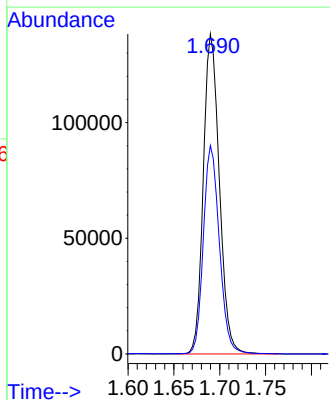
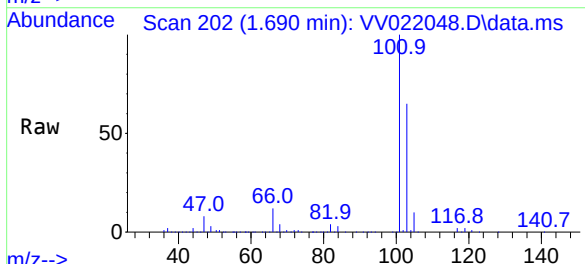
Manual Integrations
APPROVED

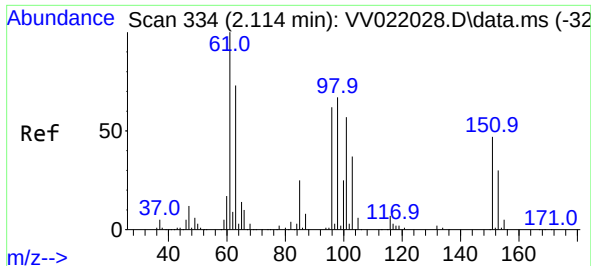
MMDadoda
9/1/2021 12:30:22 PM



#9
Trichlorofluoromethane
Concen: 42.165 ug/L
RT: 1.690 min Scan# 202
Delta R.T. -0.058 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:101 Resp: 168468
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.0





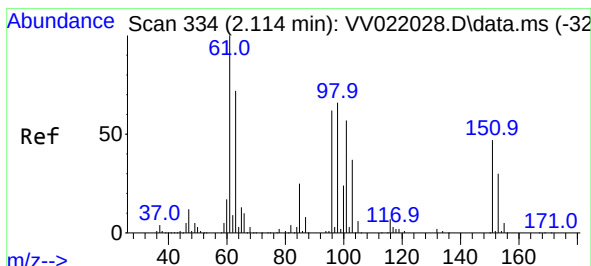
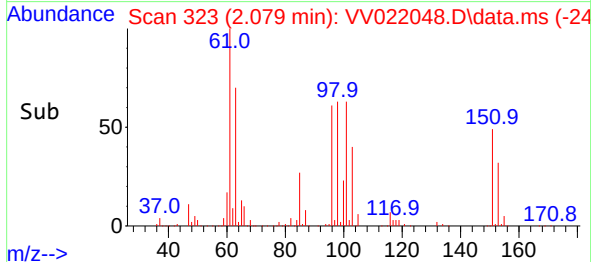
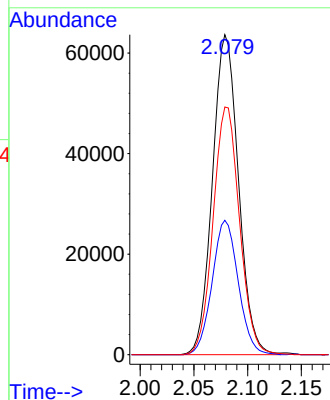
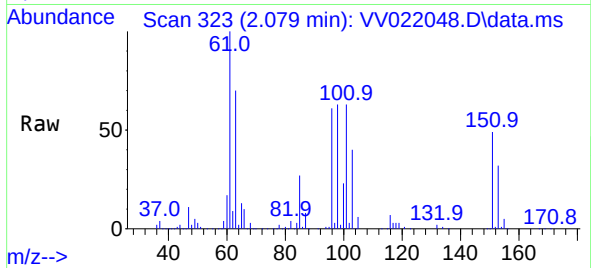
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.742 ug/L
RT: 2.079 min Scan# 323
Delta R.T. -0.035 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:101 Resp: 107193
Ion Ratio Lower Upper
101 100
85 42.2 33.4 50.0
151 78.6 61.7 92.5

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

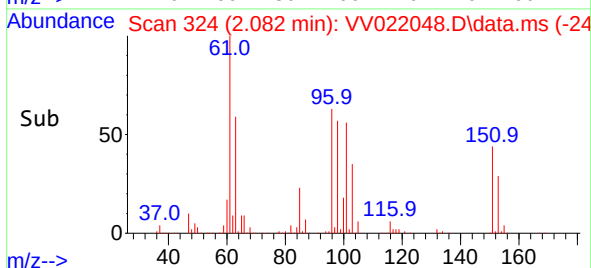
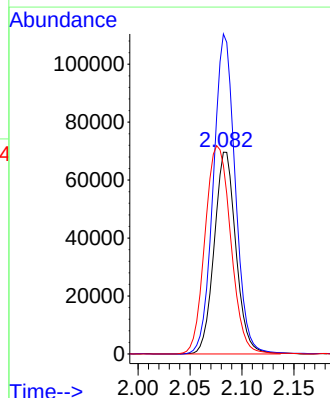
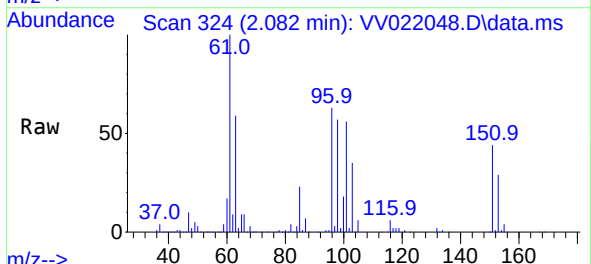
Manual Integrations
APPROVED

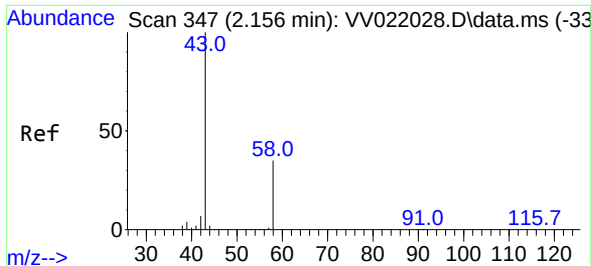
MMDadoda
9/1/2021 12:30:22 PM



#12
1,1-Dichloroethene
Concen: 45.908 ug/L
RT: 2.082 min Scan# 324
Delta R.T. -0.032 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 96 Resp: 101272
Ion Ratio Lower Upper
96 100
61 158.6 113.2 210.2
63 93.5 102.3 189.9#





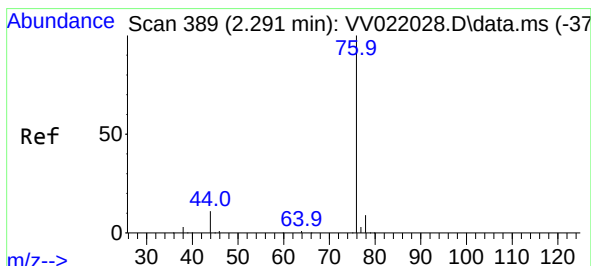
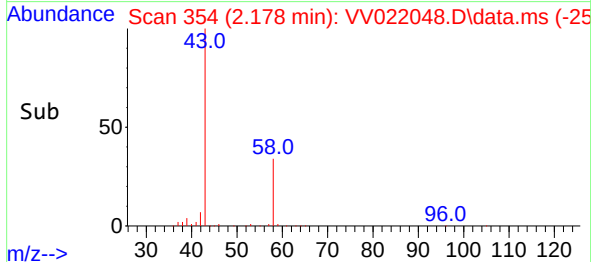
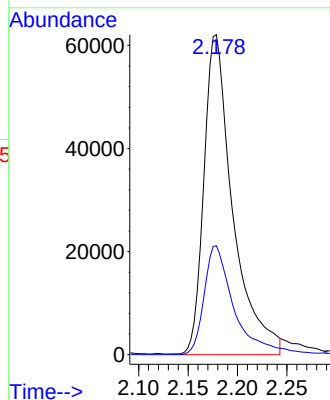
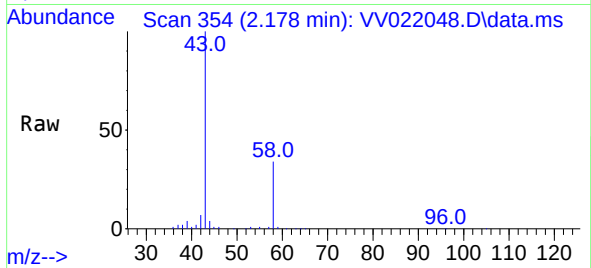
#13
Acetone
Concen: 83.057 ug/L m
RT: 2.178 min Scan# 354
Delta R.T. 0.023 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 43 Resp: 126401
Ion Ratio Lower Upper
43 100
58 0.0 0.0 0.4

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

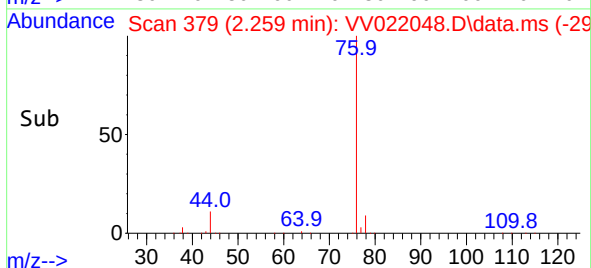
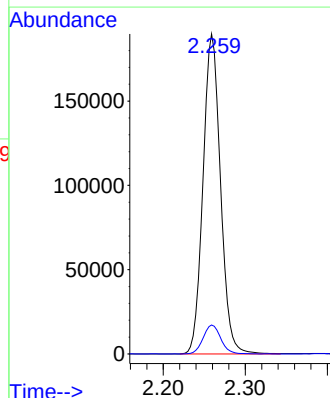
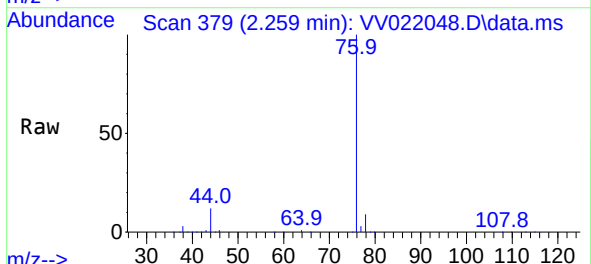
Manual Integrations
APPROVED

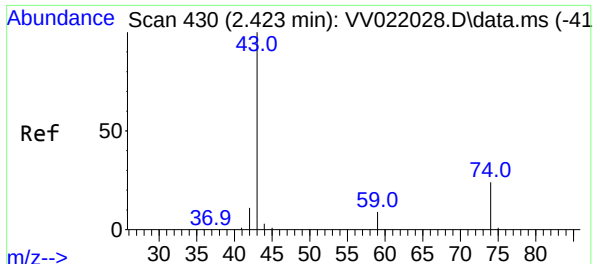
MMDadoda
9/1/2021 12:30:22 PM



#14
Carbon disulfide
Concen: 42.176 ug/L
RT: 2.259 min Scan# 379
Delta R.T. -0.032 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 76 Resp: 280737
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2





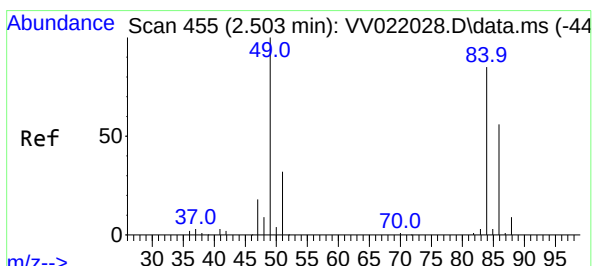
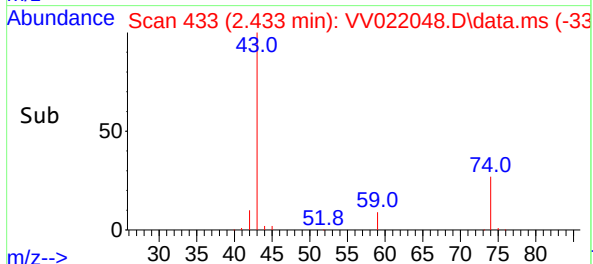
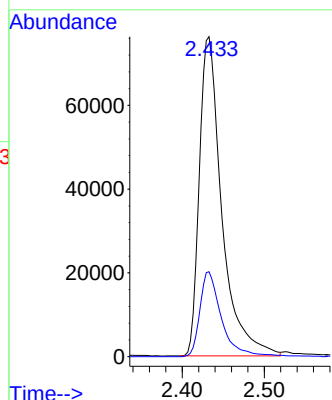
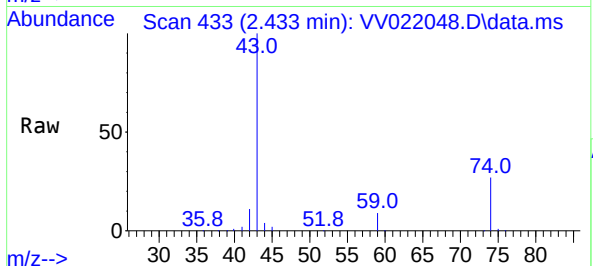
#15
Methyl Acetate
Concen: 49.050 ug/L
RT: 2.433 min Scan# 433
Delta R.T. 0.010 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 43 Resp: 145369
Ion Ratio Lower Upper
43 100
74 25.4 20.2 30.2

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

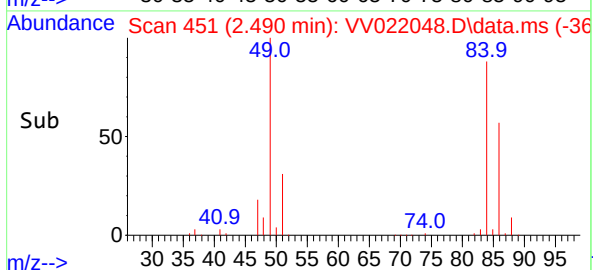
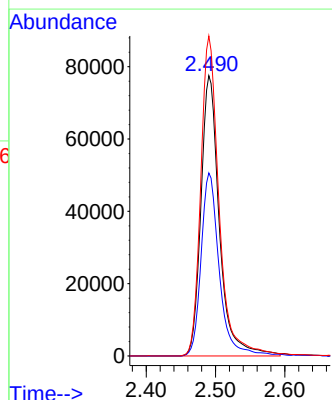
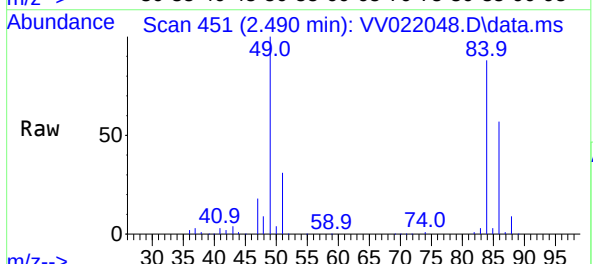
Manual Integrations
APPROVED

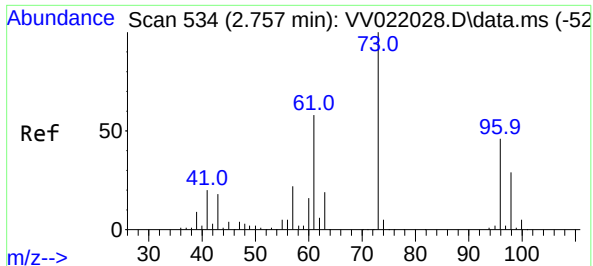
MMDadoda
9/1/2021 12:30:22 PM



#16
Methylene chloride
Concen: 48.504 ug/L
RT: 2.490 min Scan# 451
Delta R.T. -0.013 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 84 Resp: 143357
Ion Ratio Lower Upper
84 100
86 65.3 44.8 83.2
49 114.2 80.2 149.0





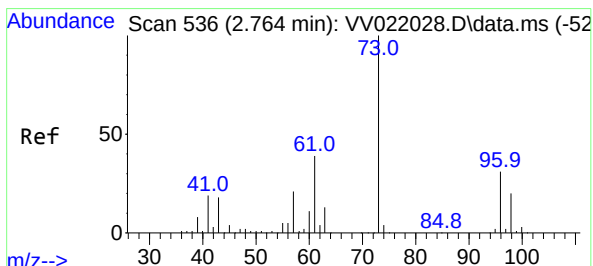
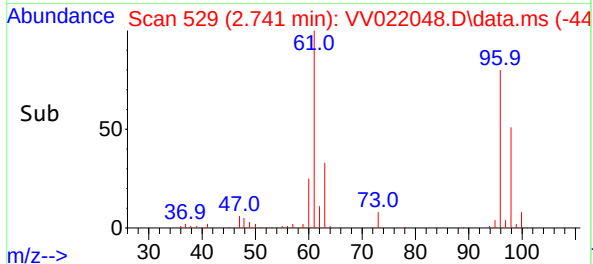
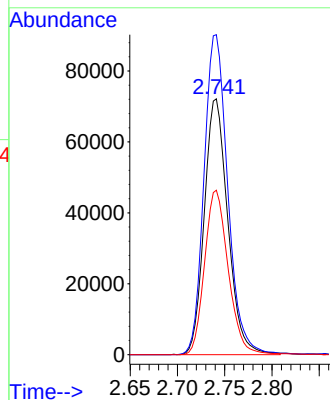
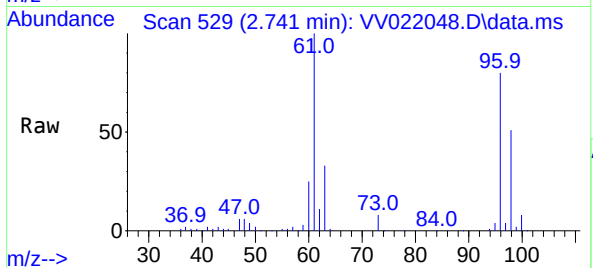
#17
trans-1,2-Dichloroethene
Concen: 46.912 ug/L
RT: 2.741 min Scan# 529
Delta R.T. -0.016 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 96 Resp: 125127
Ion Ratio Lower Upper
96 100
61 125.0 89.1 165.5
98 64.3 43.8 81.3

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

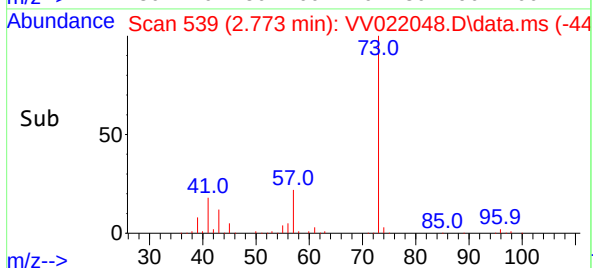
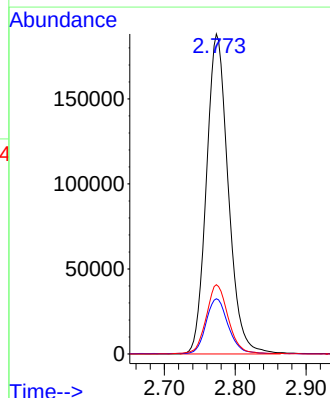
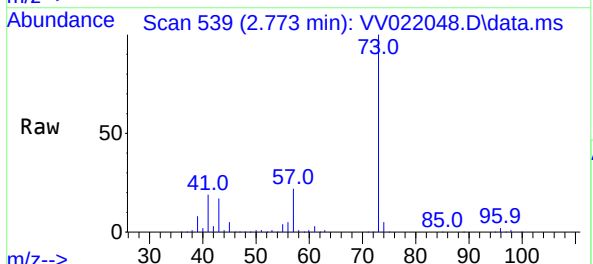
Manual Integrations
APPROVED

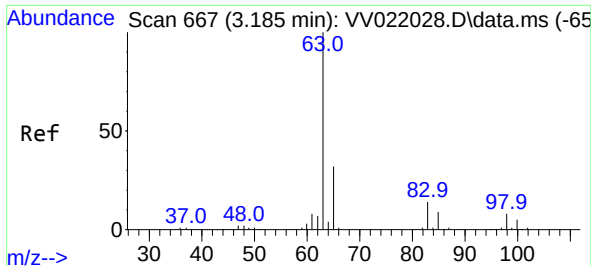
MMDadoda
9/1/2021 12:30:22 PM



#18
Methyl tert-butyl Ether
Concen: 47.518 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.010 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 73 Resp: 402751
Ion Ratio Lower Upper
73 100
43 17.4 13.8 20.6
57 22.0 17.1 25.7





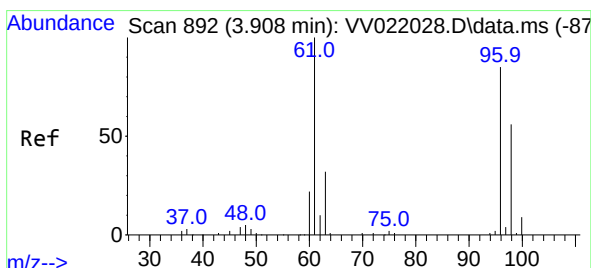
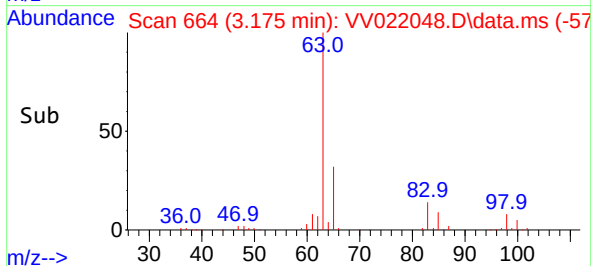
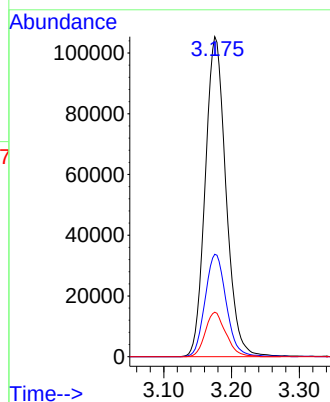
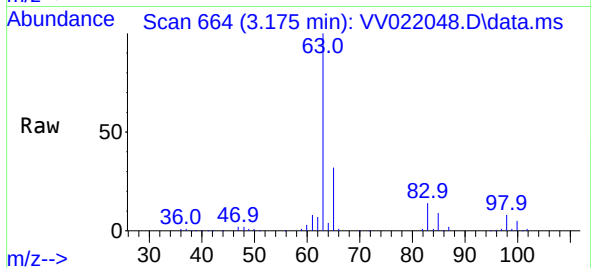
#19
1,1-Dichloroethane
Concen: 47.116 ug/L
RT: 3.175 min Scan# 664
Delta R.T. -0.010 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:	63	Resp:	223827
Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.2	41.2
83	13.9	9.7	17.9

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

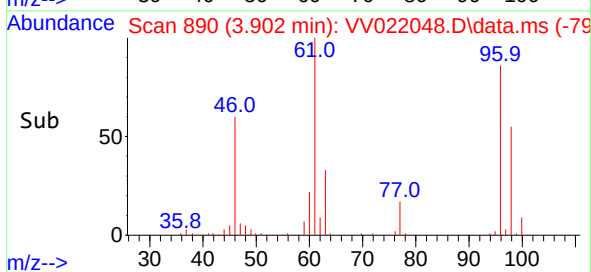
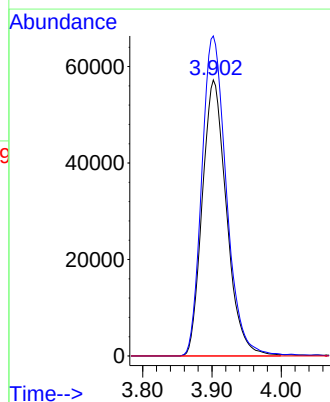
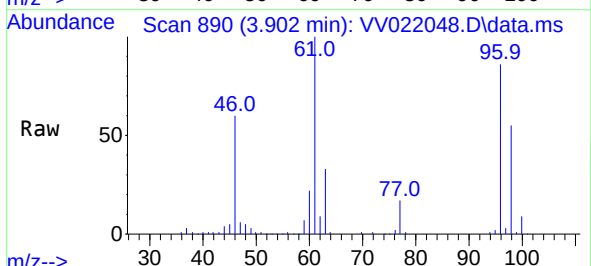
Manual Integrations
APPROVED

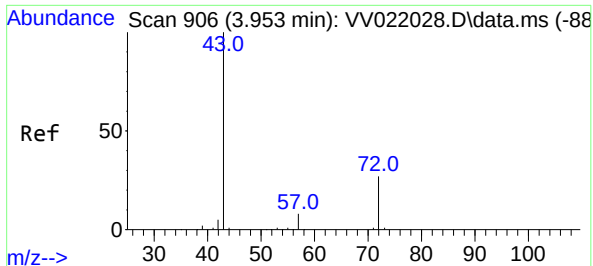
MMDadoda
9/1/2021 12:30:22 PM



#20
cis-1,2-Dichloroethene
Concen: 46.841 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.006 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

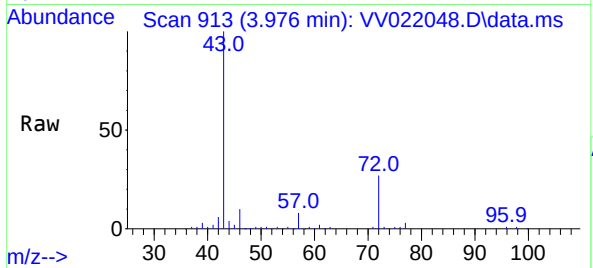
Tgt Ion:	96	Resp:	139053
Ion	Ratio	Lower	Upper
96	100		
61	115.9	81.8	152.0
68	0.0	0.0	0.0





#22
2-Butanone
Concen: 89.758 ug/L
RT: 3.976 min Scan# 913
Delta R.T. 0.023 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

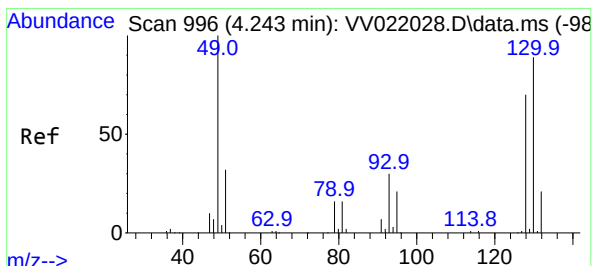
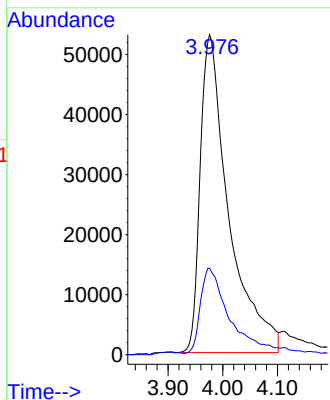
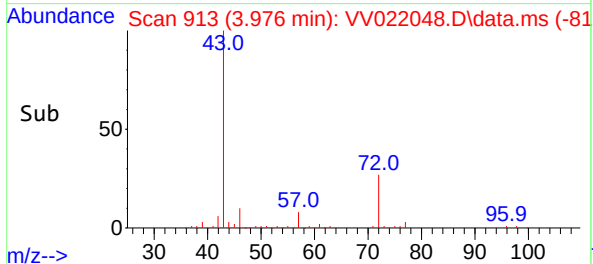
Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS



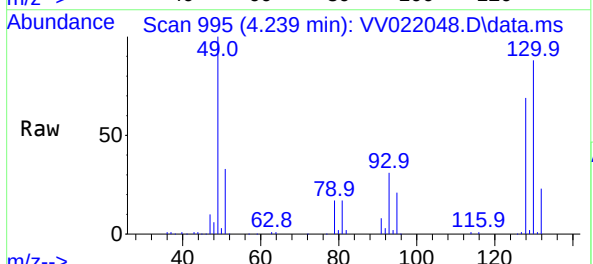
Tgt Ion: 43 Resp: 192012
Ion Ratio Lower Upper
43 100
72 26.3 13.3 39.8

Manual Integrations
APPROVED

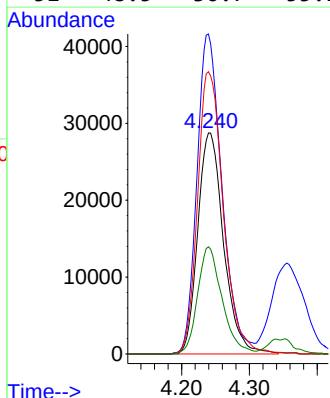
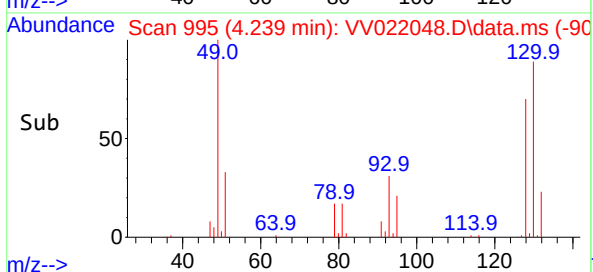
MMDadoda
9/1/2021 12:30:22 PM

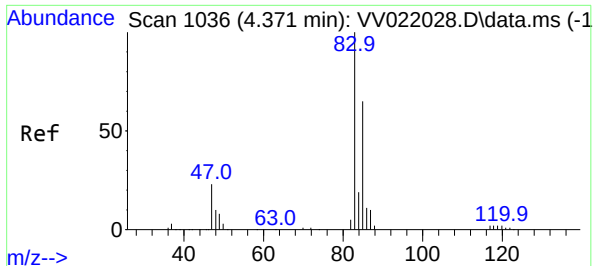


#23
Bromochloromethane
Concen: 48.061 ug/L
RT: 4.239 min Scan# 995
Delta R.T. -0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09



Tgt Ion: 128 Resp: 75983
Ion Ratio Lower Upper
128 100
49 144.8 101.6 188.8
130 127.7 88.5 164.3
51 48.5 36.7 55.1





#25

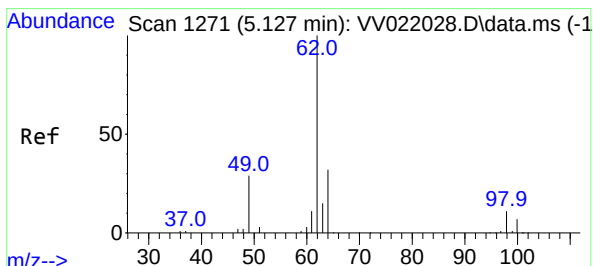
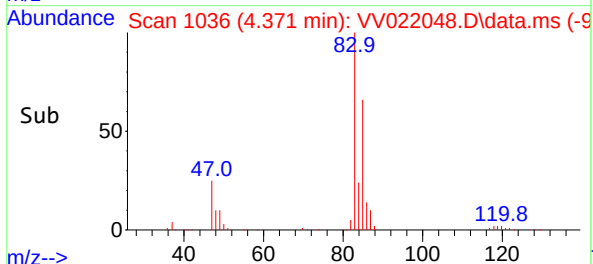
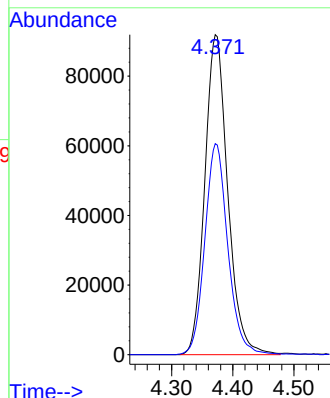
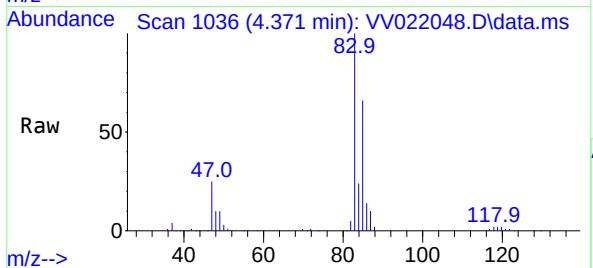
Chloroform
Concen: 47.643 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 83 Resp: 239586
Ion Ratio Lower Upper
83 100
85 65.9 46.3 85.9

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

Manual Integrations
APPROVED

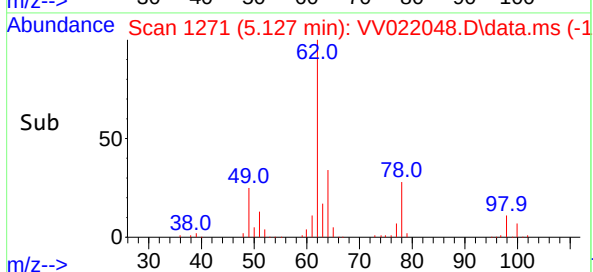
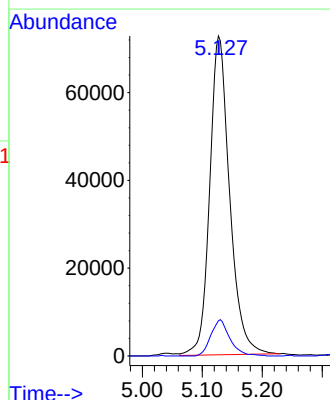
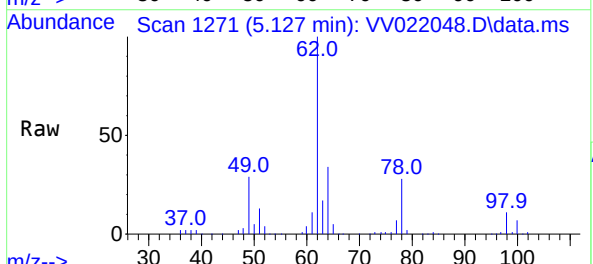
MMDadoda
9/1/2021 12:30:22 PM

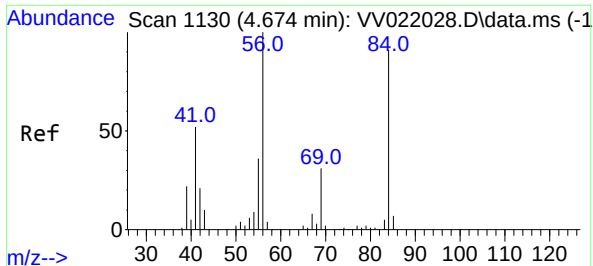


#27

1,2-Dichloroethane
Concen: 49.748 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

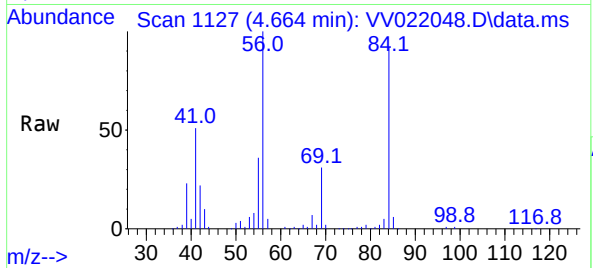
Tgt Ion: 62 Resp: 167697
Ion Ratio Lower Upper
62 100
98 11.0 8.5 12.7





#29
Cyclohexane
Concen: 44.290 ug/L
RT: 4.664 min Scan# 1127
Delta R.T. -0.010 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

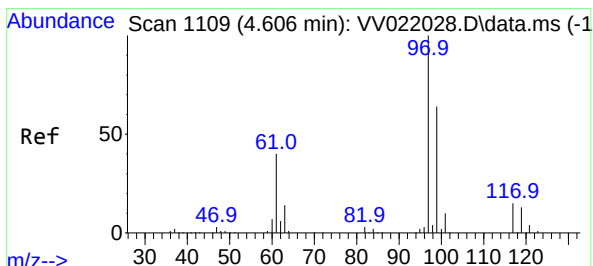
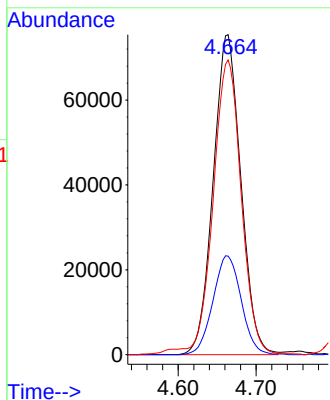
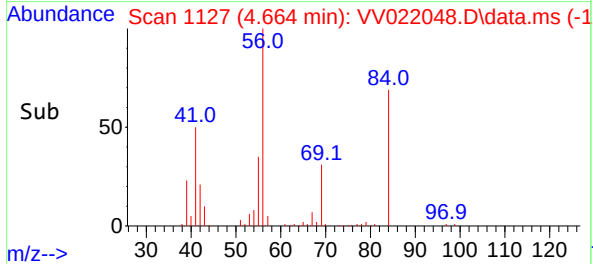
Instrument :
MSVOA_V
ClientSampled :
EW7A9MS



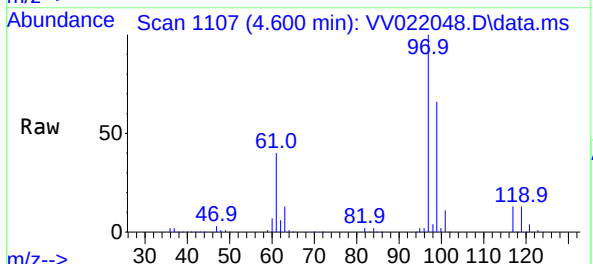
Tgt Ion: 56 Resp: 185703
Ion Ratio Lower Upper
56 100
69 31.6 25.2 37.8
84 92.8 74.6 111.8

Manual Integrations
APPROVED

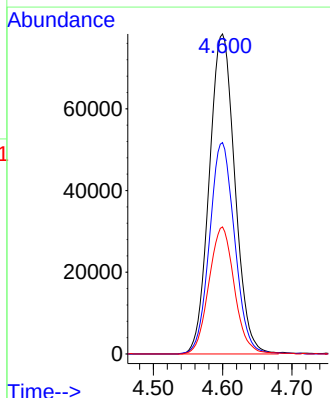
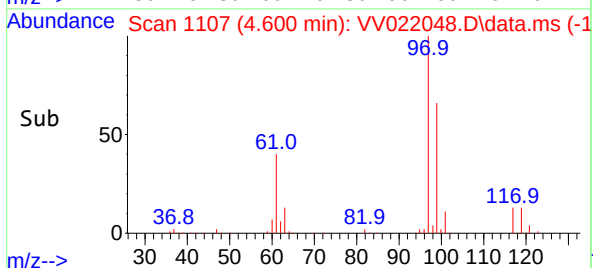
MMDadoda
9/1/2021 12:30:22 PM

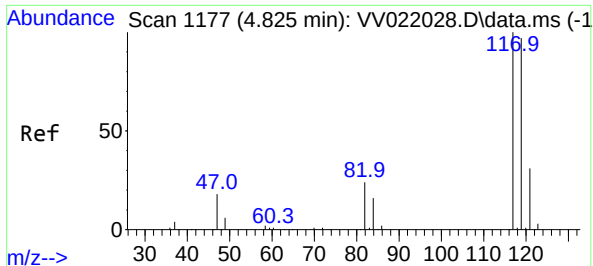


#30
1,1,1-Trichloroethane
Concen: 45.093 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09



Tgt Ion: 97 Resp: 201016
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 39.5 31.8 47.8





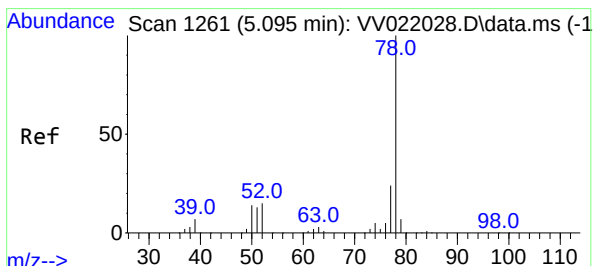
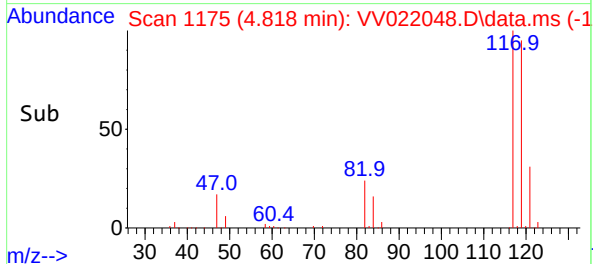
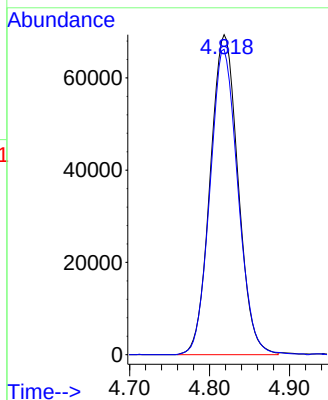
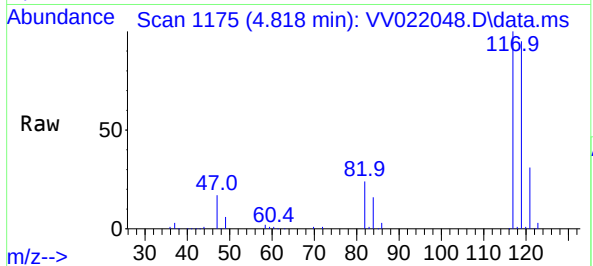
#31
Carbon tetrachloride
Concen: 43.870 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. -0.006 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

Tgt Ion:117 Resp: 168020
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8

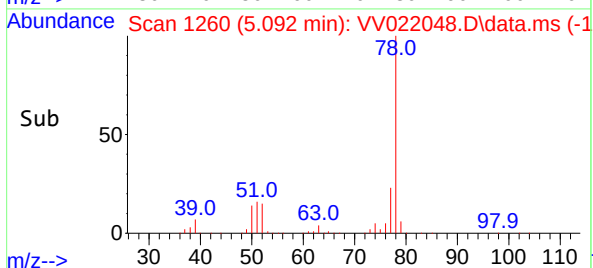
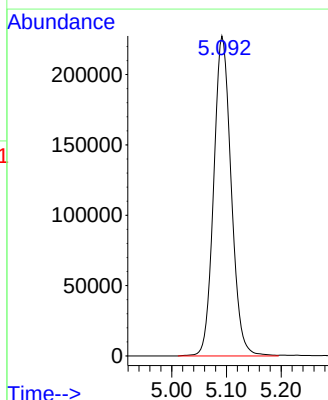
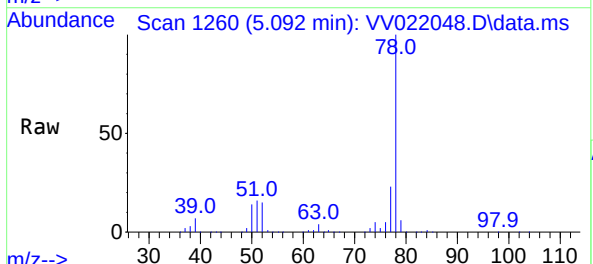
Manual Integrations
APPROVED

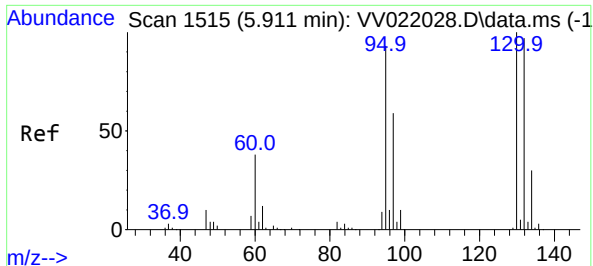
MMDadoda
9/1/2021 12:30:22 PM



#33
Benzene
Concen: 46.291 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 78 Resp: 505159





#34

Trichloroethene

Concen: 43.535 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VV022048.D

Acq: 31 Aug 2021 18:09

Tgt Ion: 95 Resp: 134571

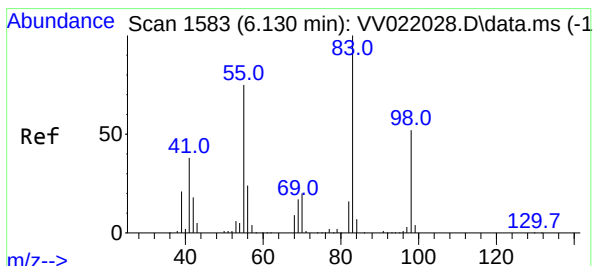
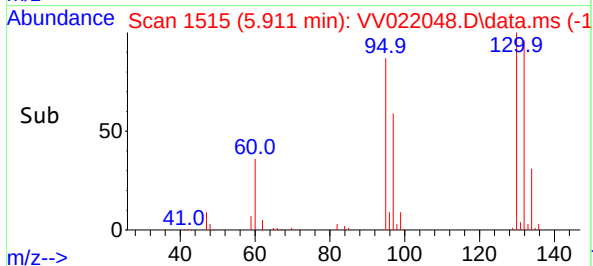
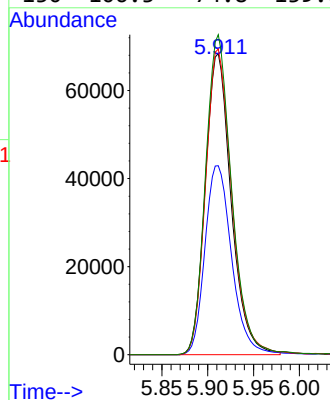
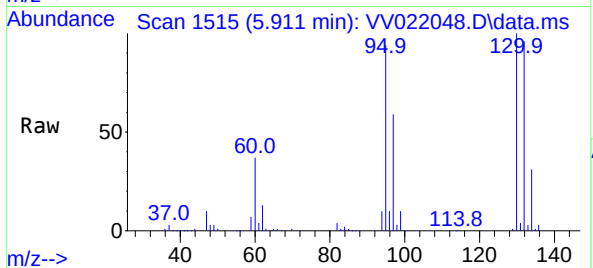
Ion Ratio Lower Upper

95 100

97 62.8 44.1 81.9

132 101.5 70.7 131.3

130 106.3 74.8 139.0



#35

Methylcyclohexane

Concen: 43.916 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. -0.006 min

Lab File: VV022048.D

Acq: 31 Aug 2021 18:09

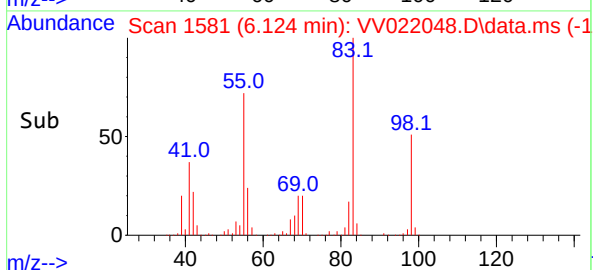
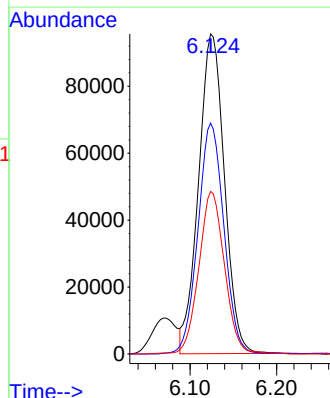
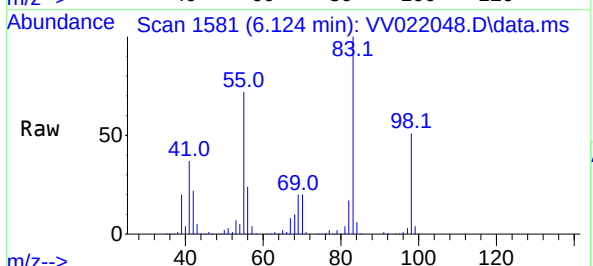
Tgt Ion: 83 Resp: 198453

Ion Ratio Lower Upper

83 100

55 72.3 56.8 85.2

98 50.4 39.9 59.9



Instrument :

MSVOA_V

ClientSampleId :

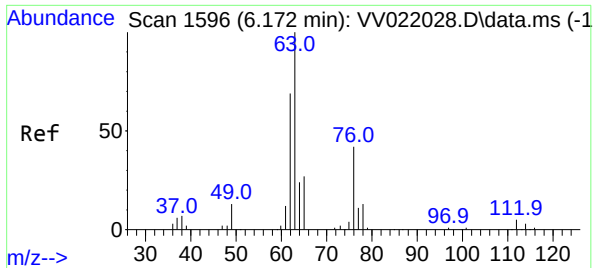
EW7A9MS

Manual Integrations

APPROVED

MMDadoda

9/1/2021 12:30:22 PM



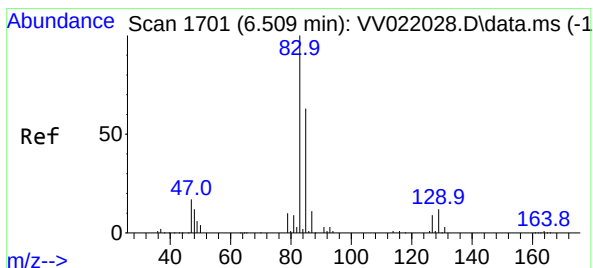
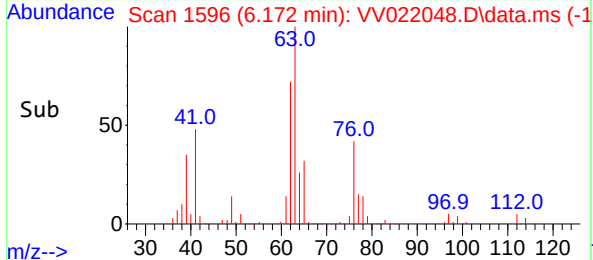
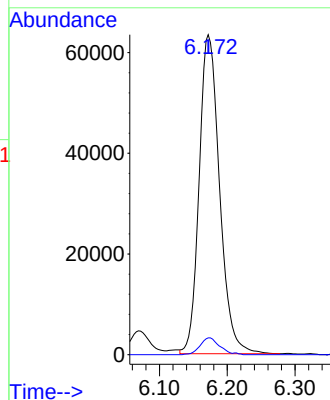
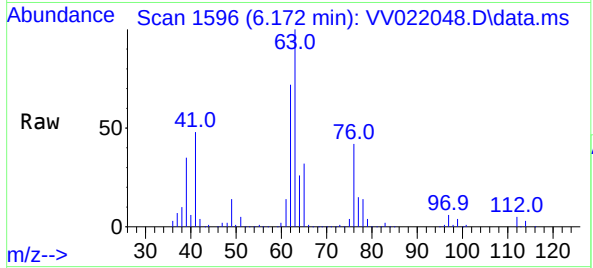
#37
1,2-Dichloropropane
Concen: 46.929 ug/L
RT: 6.172 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 63 Resp: 132751
Ion Ratio Lower Upper
63 100
112 4.9 3.8 5.6

Instrument :
MSVOA_V
ClientSampled :
EW7A9MS

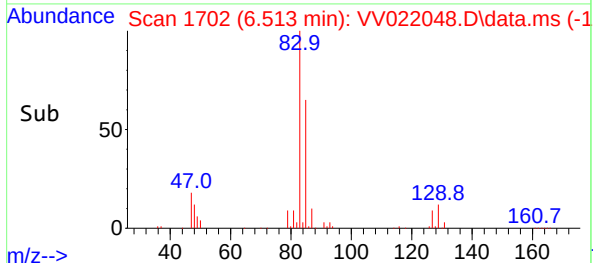
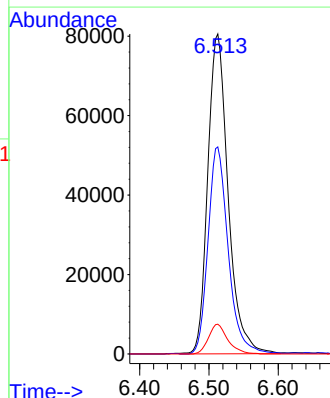
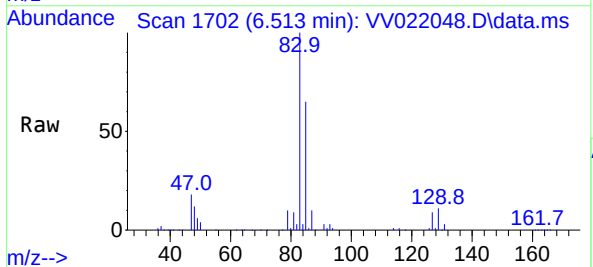
Manual Integrations
APPROVED

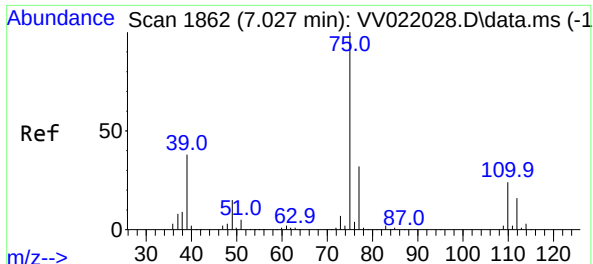
MMDadoda
9/1/2021 12:30:22 PM



#38
Bromodichloromethane
Concen: 45.379 ug/L
RT: 6.513 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 83 Resp: 164158
Ion Ratio Lower Upper
83 100
85 64.7 44.8 83.2
127 9.3 7.3 10.9





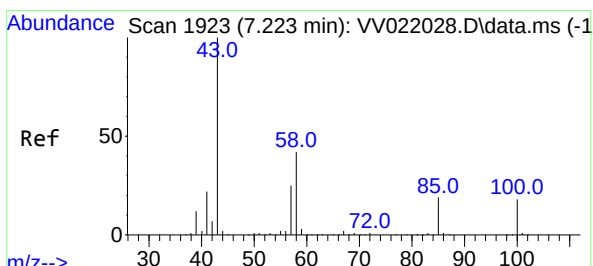
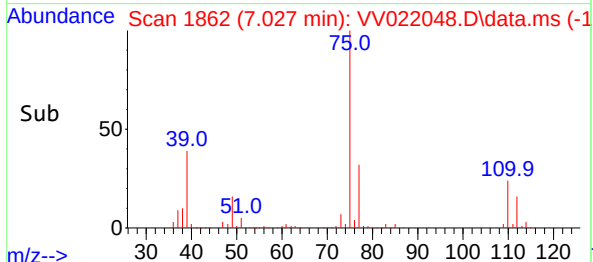
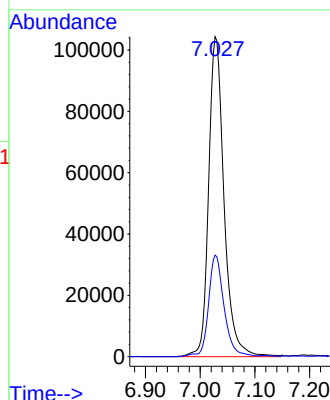
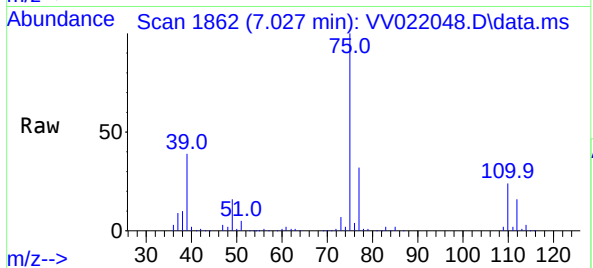
#39
cis-1,3-Dichloropropene
Concen: 46.761 ug/L
RT: 7.027 min Scan# 1862
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 75 Resp: 204224
Ion Ratio Lower Upper
75 100
77 31.7 22.7 42.1

Instrument :
MSVOA_V
ClientSampled :
EW7A9MS

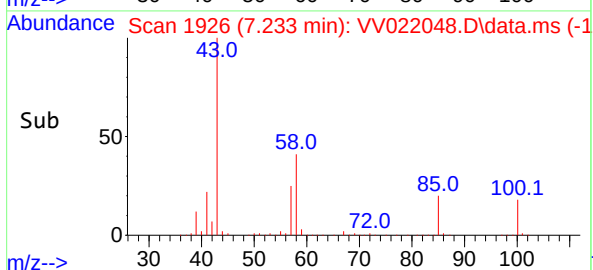
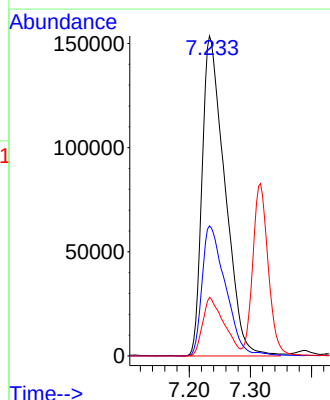
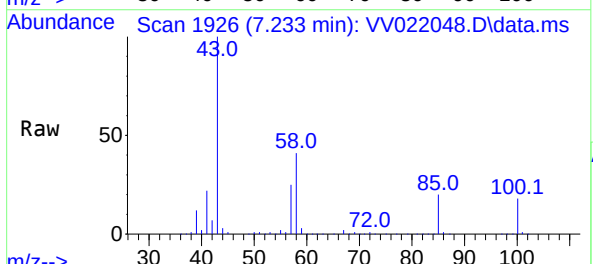
Manual Integrations
APPROVED

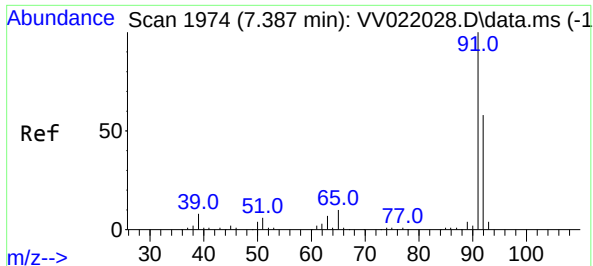
MMDadoda
9/1/2021 12:30:22 PM



#40
4-Methyl-2-pentanone
Concen: 103.466 ug/L
RT: 7.233 min Scan# 1926
Delta R.T. 0.010 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 43 Resp: 396789
Ion Ratio Lower Upper
43 100
58 41.2 33.3 49.9
100 17.3 14.5 21.7





#42

Toluene

Concen: 46.776 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV022048.D

Acq: 31 Aug 2021 18:09

Tgt Ion: 91 Resp: 550921

Ion Ratio Lower Upper

91 100

92 57.3 40.3 74.8

Instrument :

MSVOA_V

ClientSampleId :

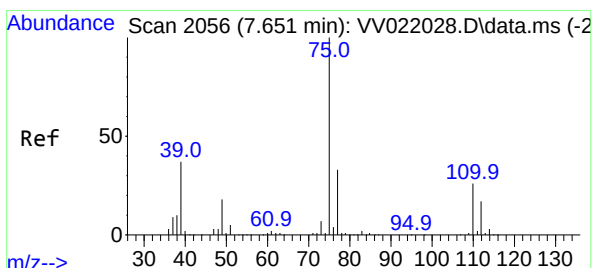
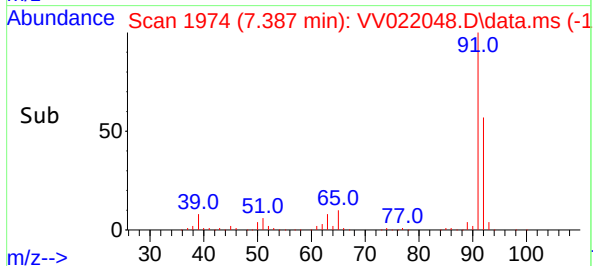
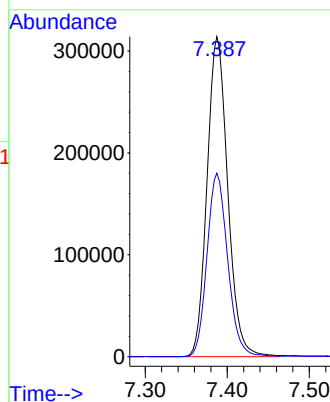
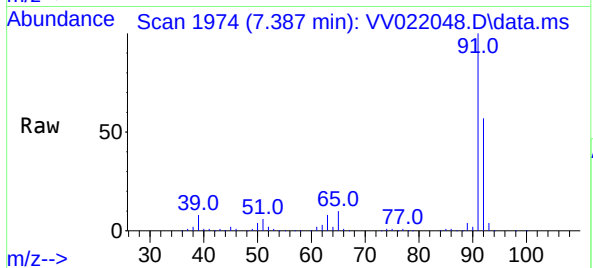
EW7A9MS

Manual Integrations

APPROVED

MMDadoda

9/1/2021 12:30:22 PM



#44

trans-1,3-Dichloropropene

Concen: 47.772 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VV022048.D

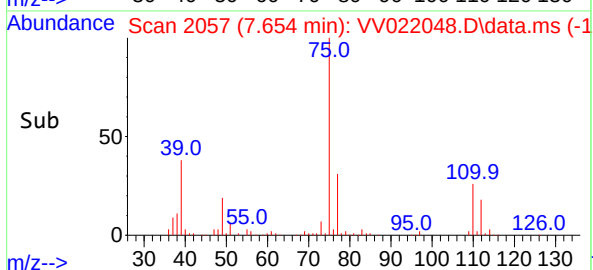
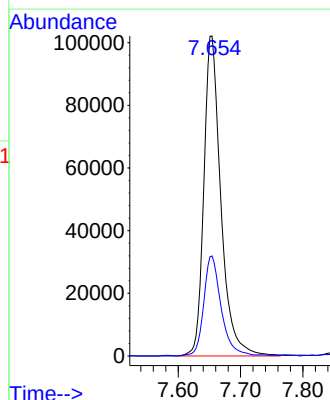
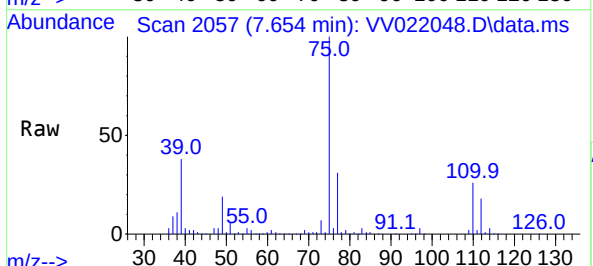
Acq: 31 Aug 2021 18:09

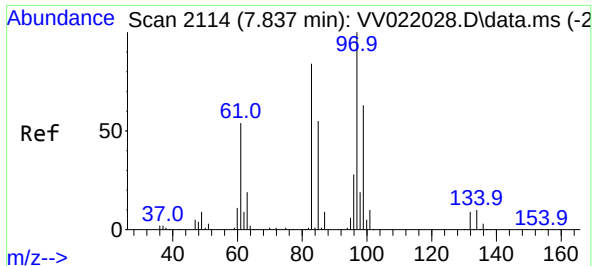
Tgt Ion: 75 Resp: 194180

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6





#45
1,1,2-Trichloroethane
Concen: 48.074 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

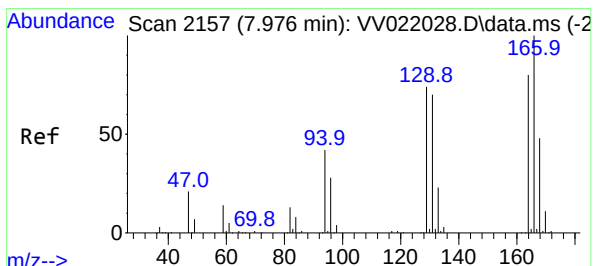
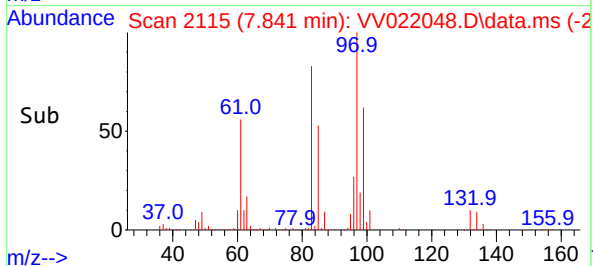
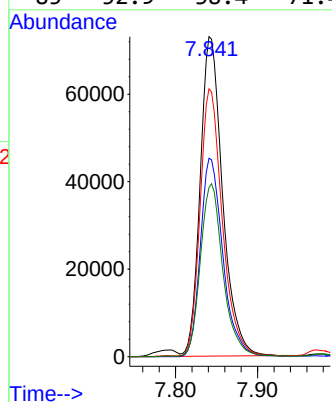
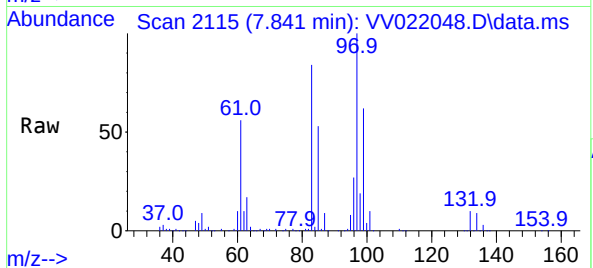
Tgt Ion: 97 Resp: 138367

Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.8	81.4
83	83.7	58.8	109.2
85	52.9	38.4	71.4

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

Manual Integrations
APPROVED

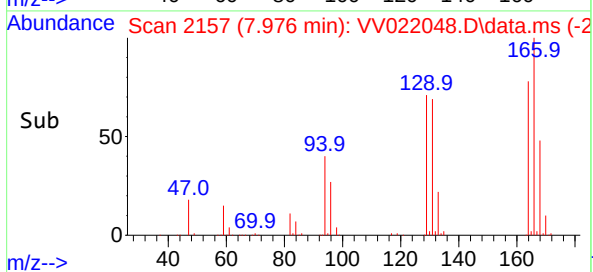
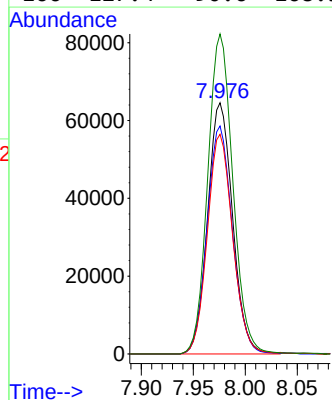
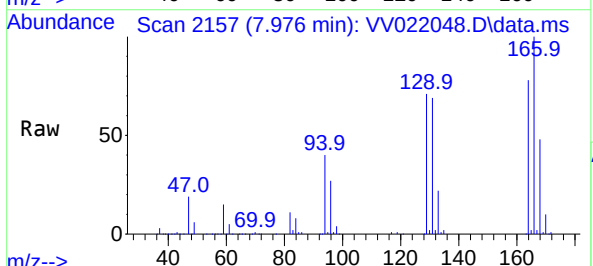
MMDadoda
9/1/2021 12:30:22 PM

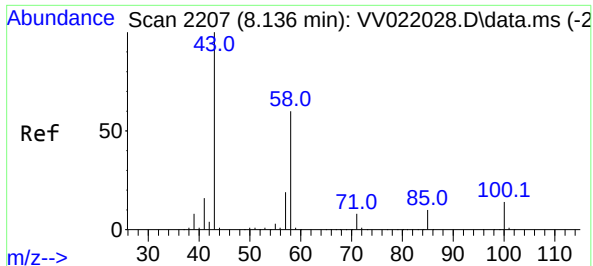


#46
Tetrachloroethene
Concen: 44.969 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 164 Resp: 108084

Ion	Ratio	Lower	Upper
164	100		
129	90.8	62.9	116.9
131	87.5	61.0	113.4
166	127.4	90.6	168.3





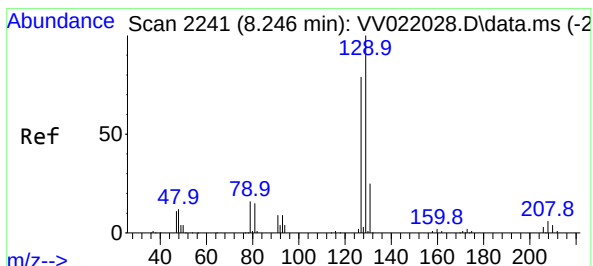
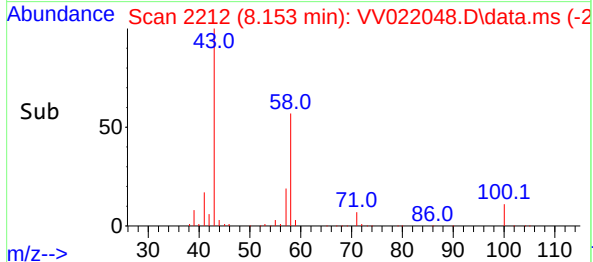
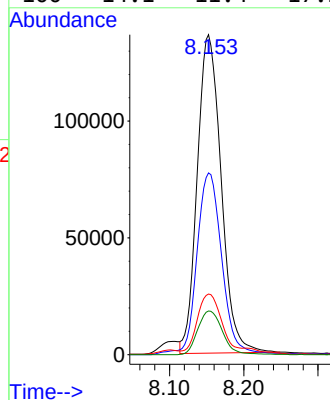
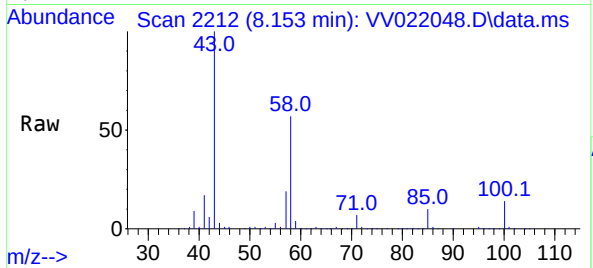
#48
2-Hexanone
Concen: 102.868 ug/L
RT: 8.153 min Scan# 2212
Delta R.T. 0.016 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion: 43 Resp: 306086
Ion Ratio Lower Upper
43 100
58 59.6 47.5 71.3
57 17.3 15.9 23.9
100 14.1 11.4 17.2

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

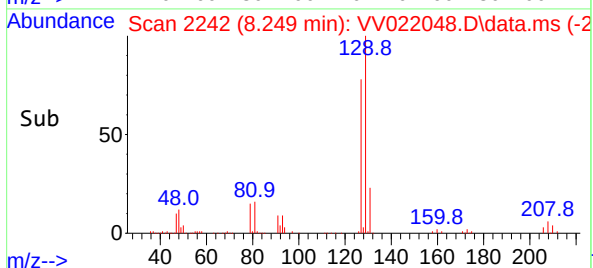
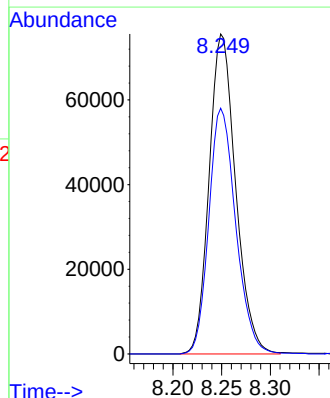
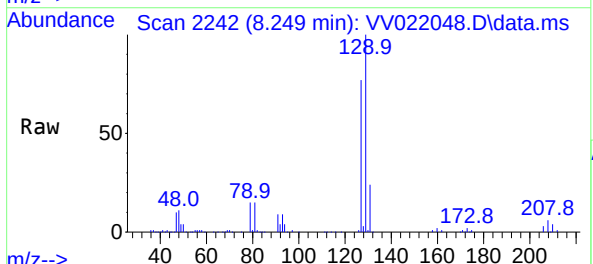
Manual Integrations
APPROVED

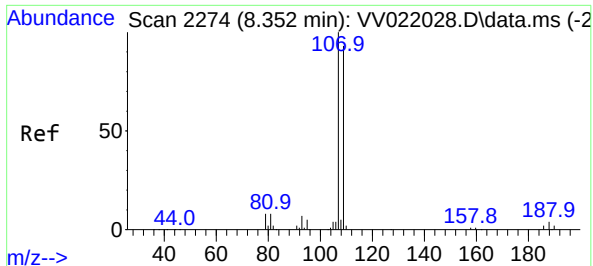
MMDadoda
9/1/2021 12:30:22 PM



#49
Dibromochloromethane
Concen: 46.479 ug/L
RT: 8.249 min Scan# 2242
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

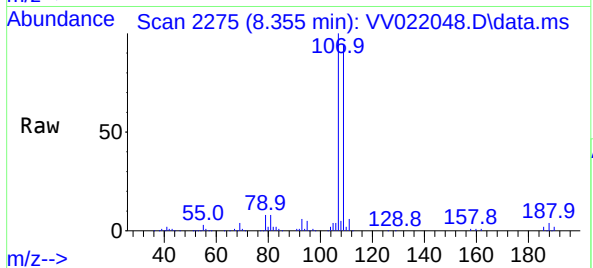
Tgt Ion: 129 Resp: 143198
Ion Ratio Lower Upper
129 100
127 76.8 54.1 100.5





#50
1,2-Dibromoethane
Concen: 47.719 ug/L
RT: 8.355 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

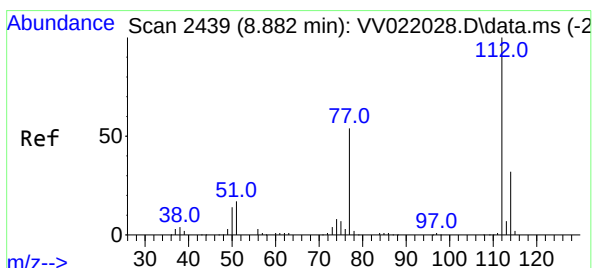
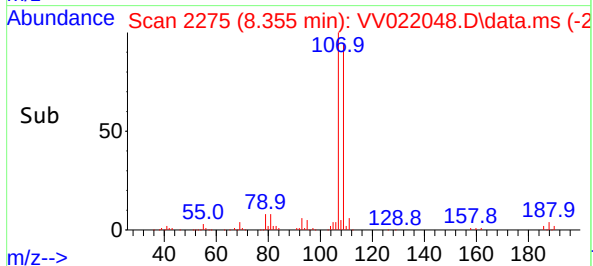
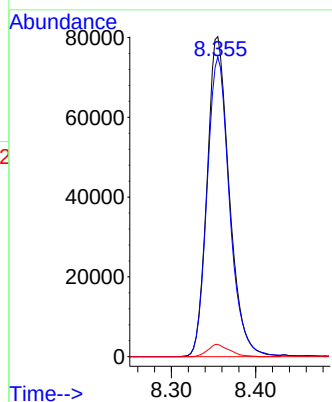
Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS



Tgt Ion:107 Resp: 147405
Ion Ratio Lower Upper
107 100
109 93.7 65.5 121.6
188 3.8 3.2 4.8

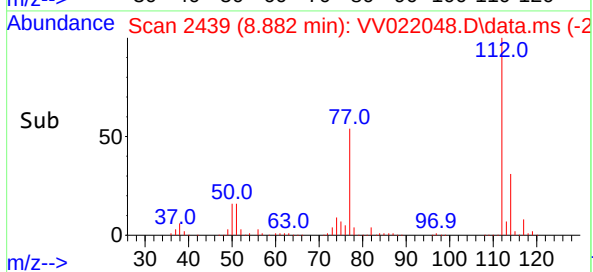
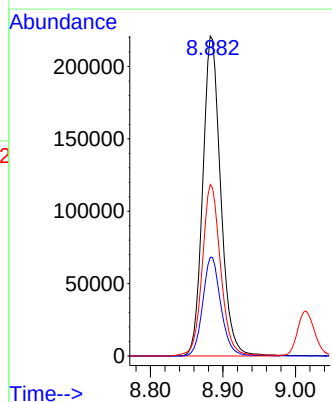
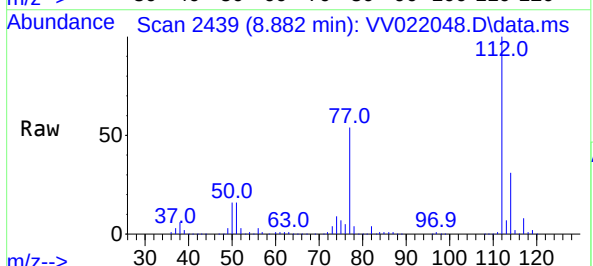
Manual Integrations
APPROVED

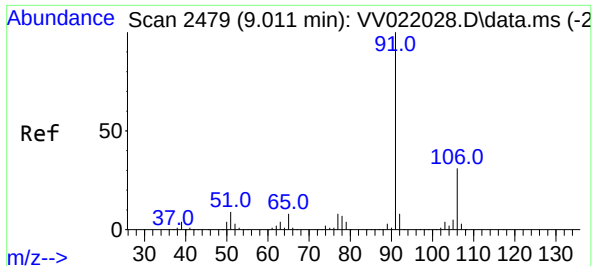
MMDadoda
9/1/2021 12:30:22 PM



#51
Chlorobenzene
Concen: 47.923 ug/L
RT: 8.882 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:112 Resp: 379488
Ion Ratio Lower Upper
112 100
114 30.8 22.0 41.0
77 53.6 43.2 64.8





#52

Ethylbenzene

Concen: 47.181 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV022048.D

Acq: 31 Aug 2021 18:09

Tgt Ion: 91 Resp: 601542

Ion Ratio Lower Upper

91 100

106 31.7 21.7 40.3

Instrument :

MSVOA_V

ClientSampleId :

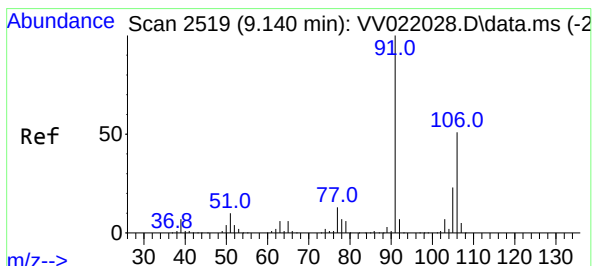
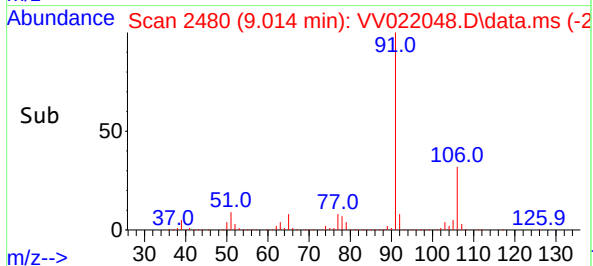
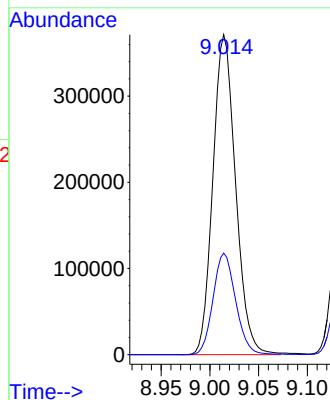
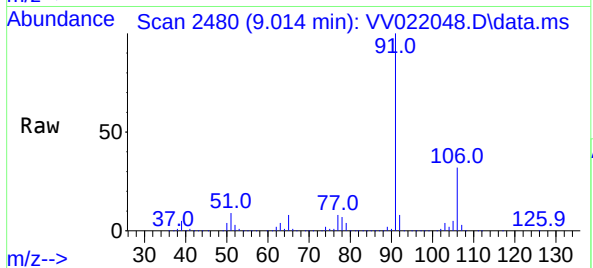
EW7A9MS

Manual Integrations

APPROVED

MMDadoda

9/1/2021 12:30:22 PM



#53

m,p-Xylene

Concen: 48.133 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.000 min

Lab File: VV022048.D

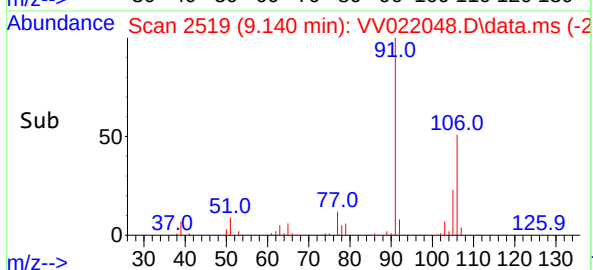
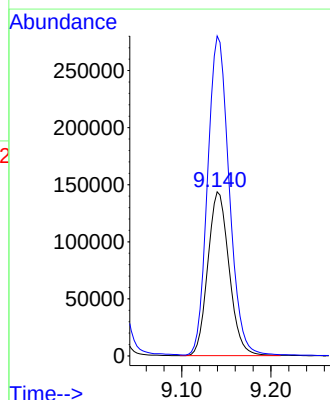
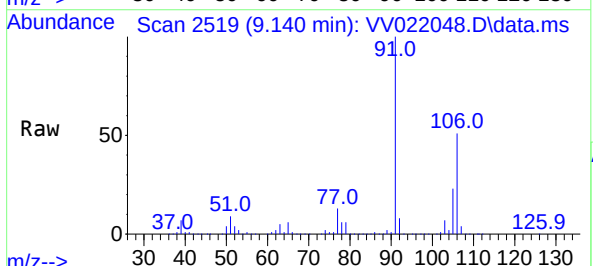
Acq: 31 Aug 2021 18:09

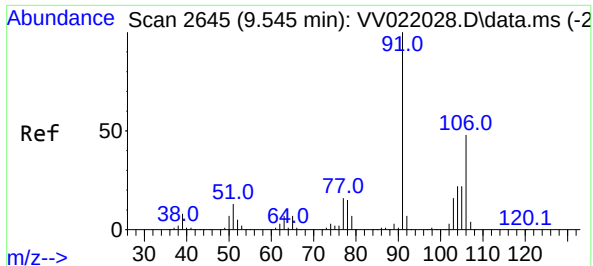
Tgt Ion: 106 Resp: 238530

Ion Ratio Lower Upper

106 100

91 194.9 139.1 258.3





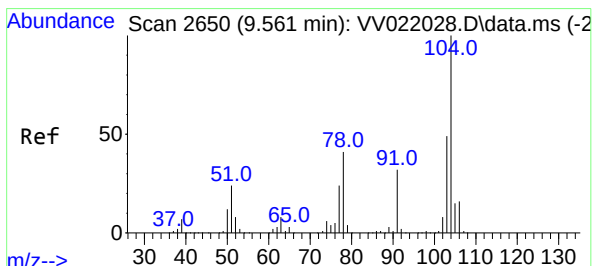
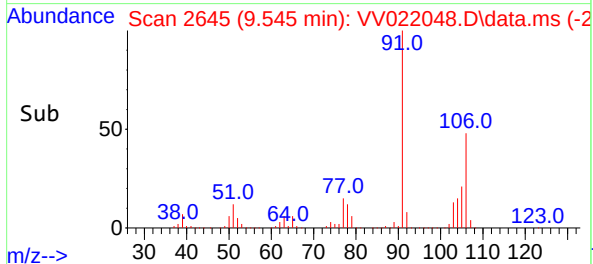
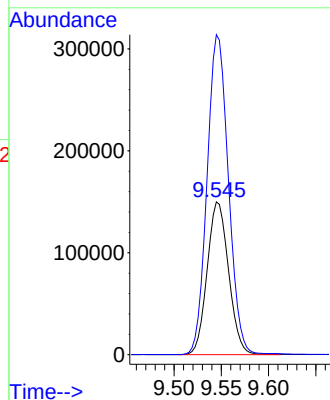
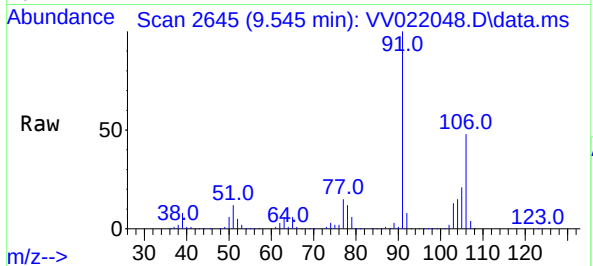
#54
o-Xylene
Concen: 48.255 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

Tgt Ion:106 Resp: 236612
Ion Ratio Lower Upper
106 100
91 209.4 150.1 278.9

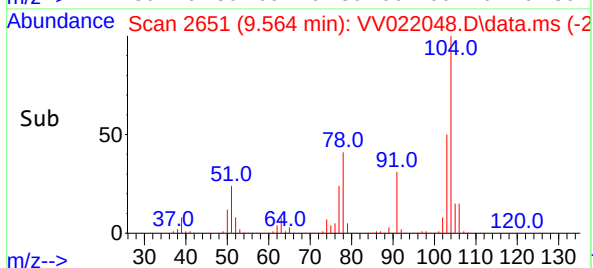
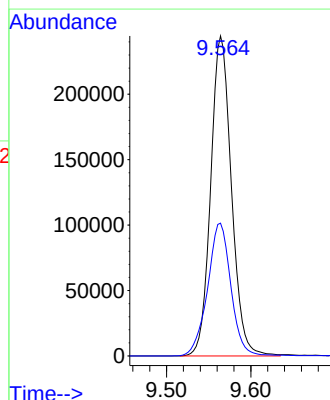
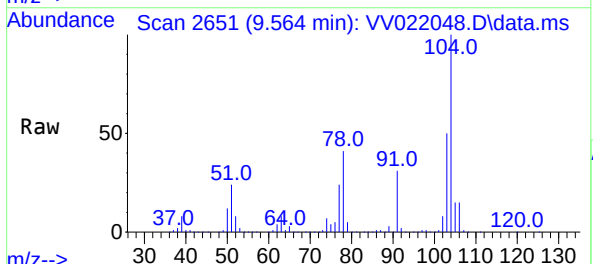
Manual Integrations
APPROVED

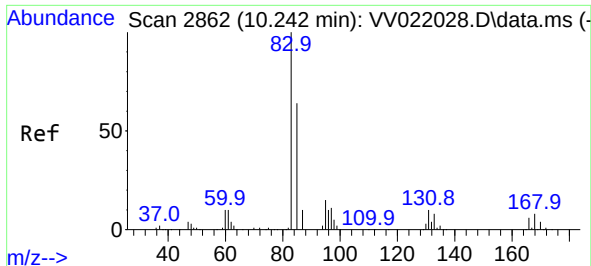
MMDadoda
9/1/2021 12:30:22 PM



#55
Styrene
Concen: 49.955 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:104 Resp: 418016
Ion Ratio Lower Upper
104 100
78 41.5 28.6 53.2





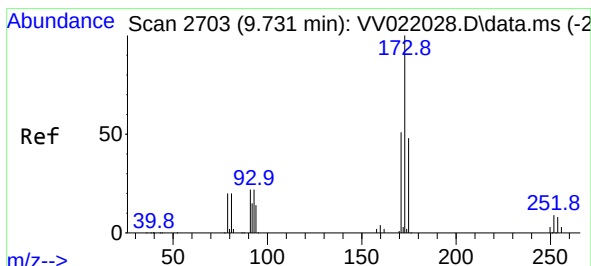
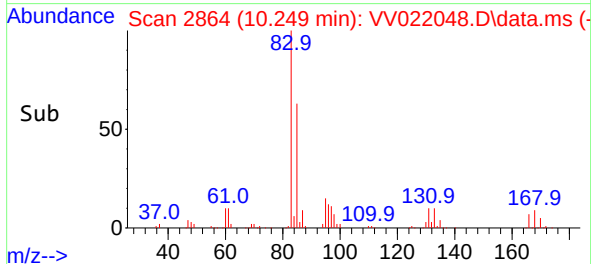
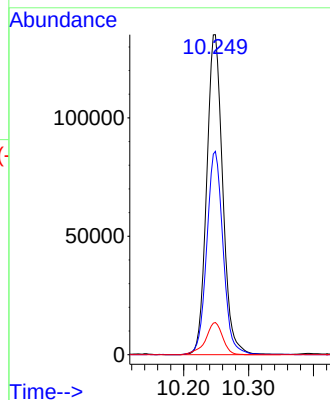
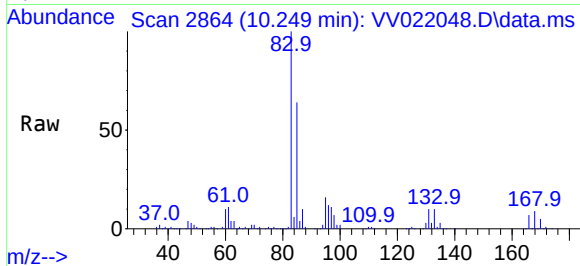
#57
1,1,2,2-Tetrachloroethane
Concen: 55.789 ug/L
RT: 10.249 min Scan# 2864
Delta R.T. 0.006 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:	83	Resp:	232654
Ion	Ratio	Lower	Upper
83	100		
85	63.6	44.7	83.1
131	10.0	8.2	12.2

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

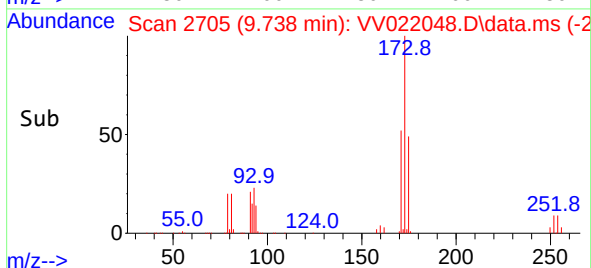
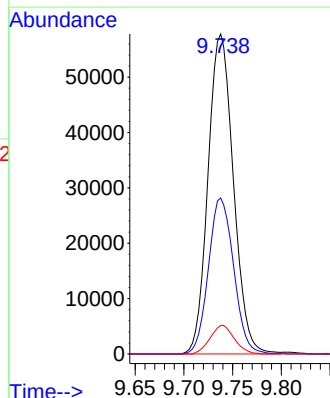
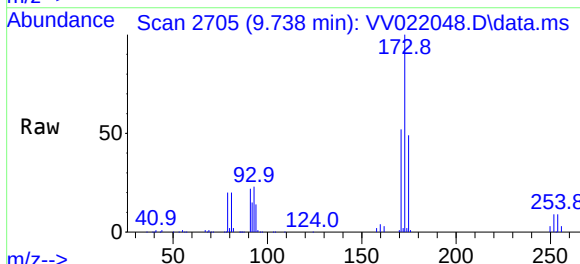
Manual Integrations
APPROVED

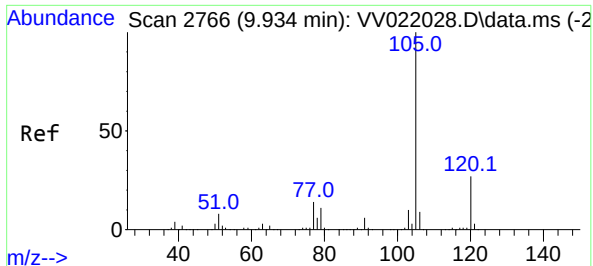
MMDadoda
9/1/2021 12:30:22 PM



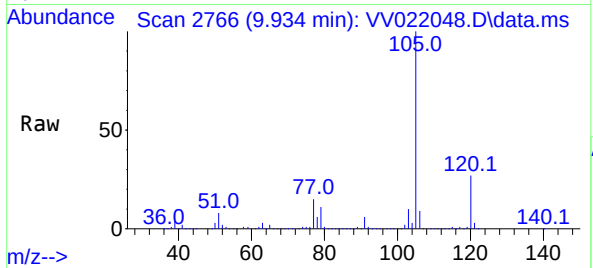
#59
Bromoform
Concen: 44.573 ug/L
RT: 9.738 min Scan# 2705
Delta R.T. 0.006 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:	173	Resp:	104664
Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.8	58.2
254	8.5	7.0	10.4

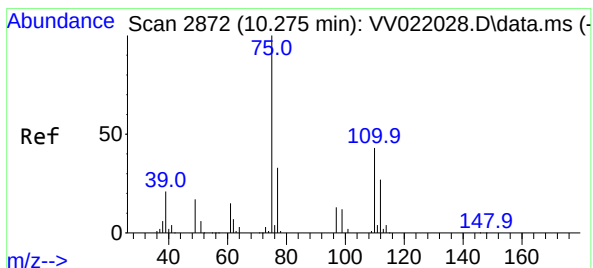
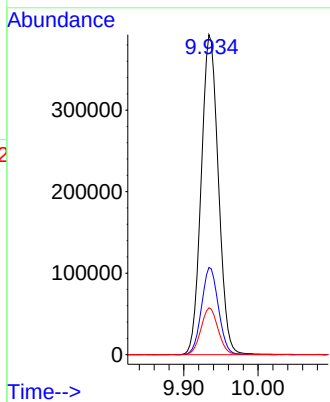
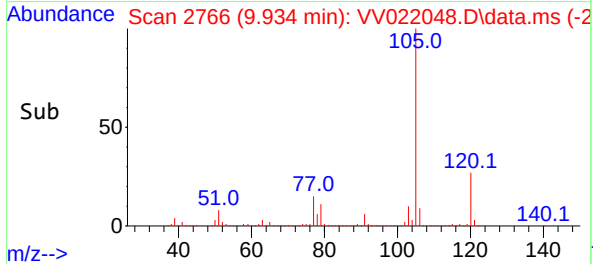




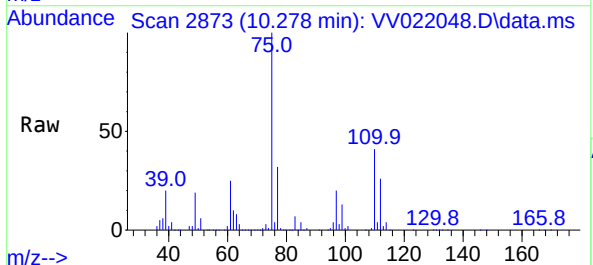
#60
Isopropylbenzene
Concen: 45.178 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09



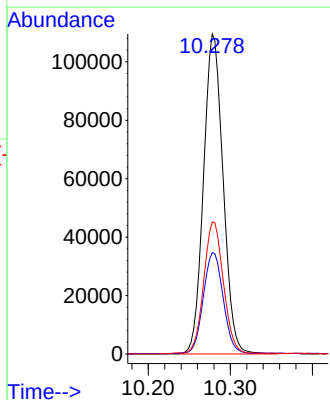
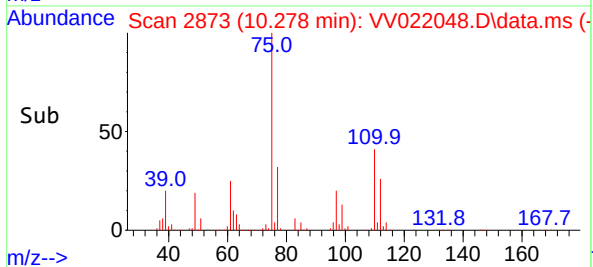
Tgt Ion:105 Resp: 627612
Ion Ratio Lower Upper
105 100
120 26.9 21.5 32.3
77 14.7 11.8 17.6



#61
1,2,3-Trichloropropane
Concen: 47.358 ug/L
RT: 10.278 min Scan# 2873
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09



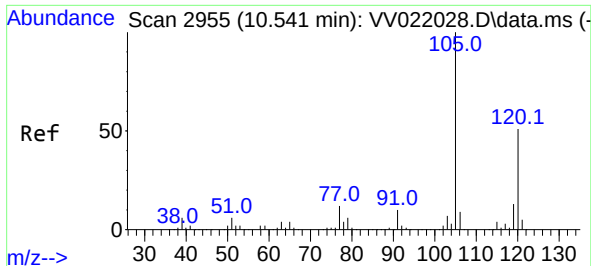
Tgt Ion: 75 Resp: 181463
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
110 41.2 33.8 50.6



Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

Manual Integrations
APPROVED

MMDadoda
9/1/2021 12:30:22 PM



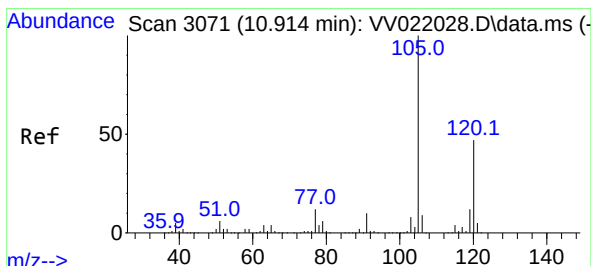
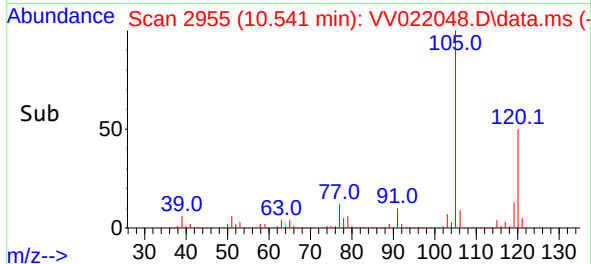
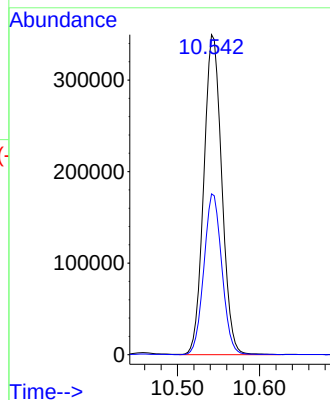
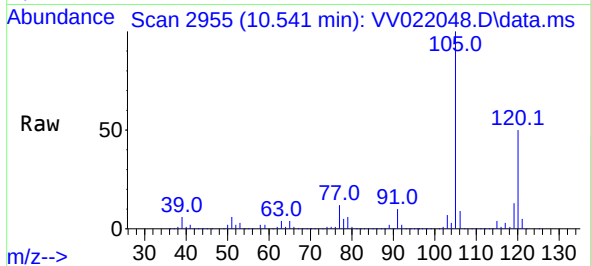
#62
1,3,5-Trimethylbenzene
Concen: 45.694 ug/L
RT: 10.541 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:105 Resp: 532922
Ion Ratio Lower Upper
105 100
120 50.2 39.6 59.4

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

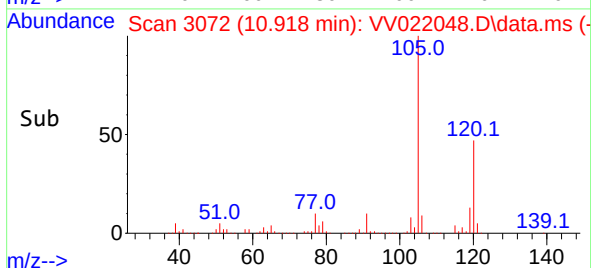
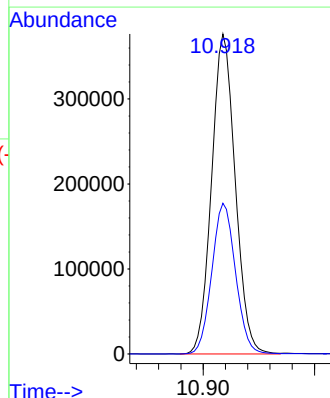
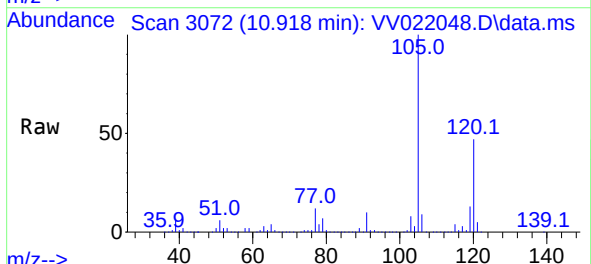
Manual Integrations
APPROVED

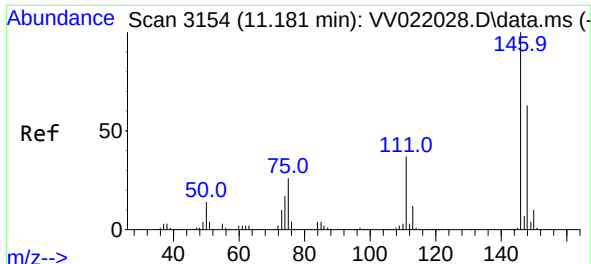
MMDadoda
9/1/2021 12:30:22 PM



#63
1,2,4-Trimethylbenzene
Concen: 46.780 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:105 Resp: 554548
Ion Ratio Lower Upper
105 100
120 47.2 37.4 56.0





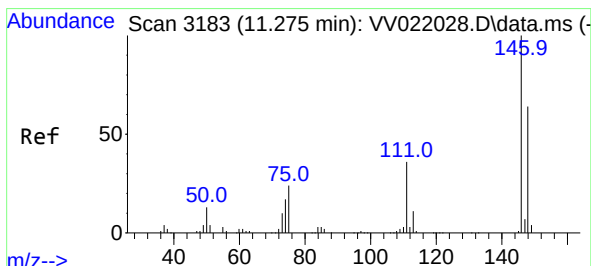
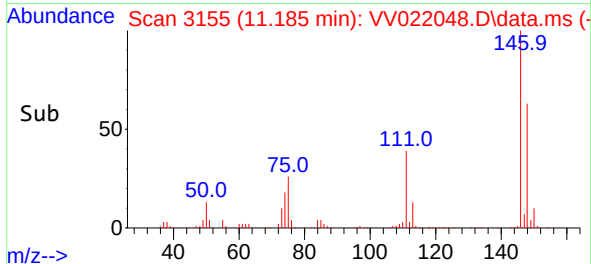
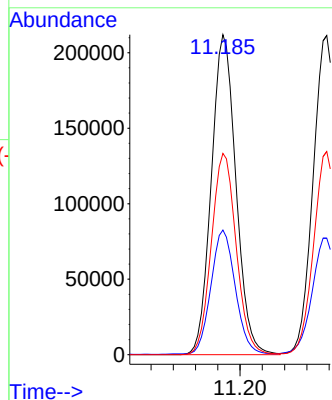
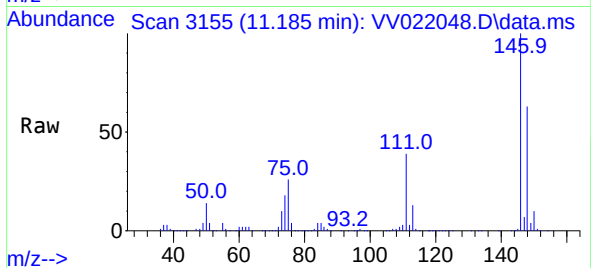
#64
1,3-Dichlorobenzene
Concen: 46.130 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:146 Resp: 325372
Ion Ratio Lower Upper
146 100
111 39.0 26.9 50.1
148 62.9 45.5 84.5

Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

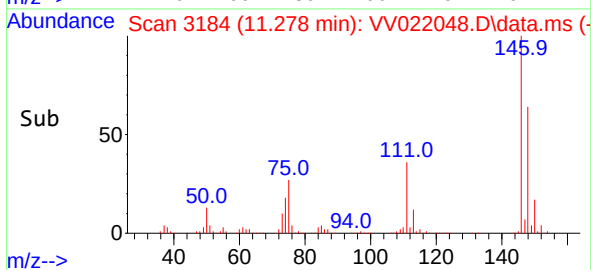
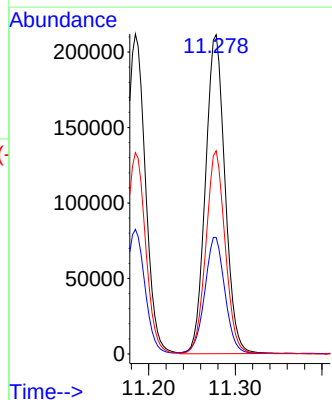
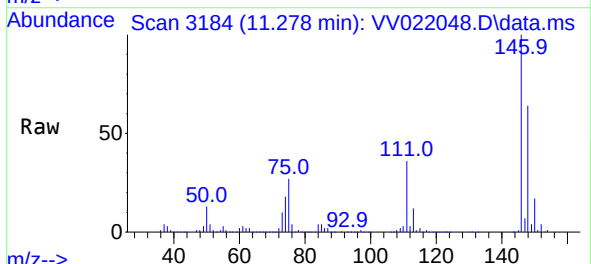
Manual Integrations
APPROVED

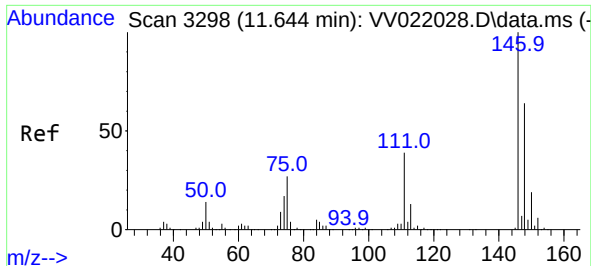
MMDadoda
9/1/2021 12:30:22 PM



#65
1,4-Dichlorobenzene
Concen: 45.791 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:146 Resp: 330502
Ion Ratio Lower Upper
146 100
111 36.5 25.3 46.9
148 63.7 44.4 82.5





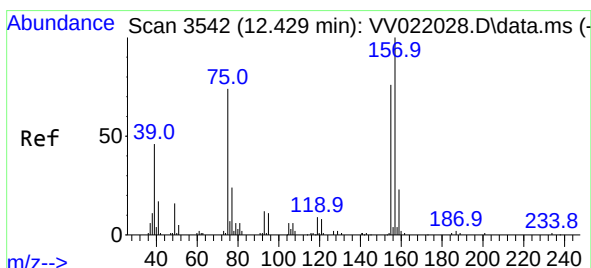
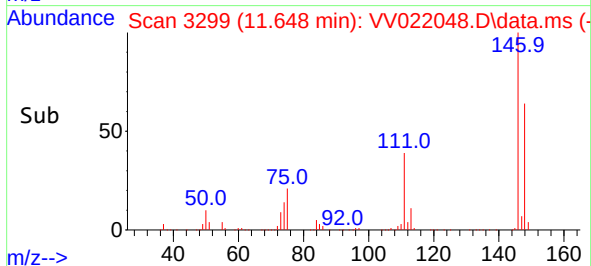
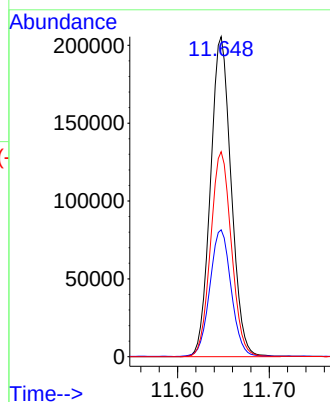
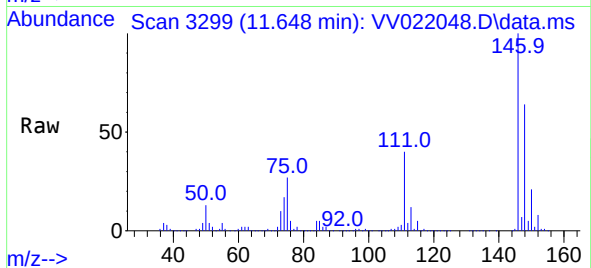
#67
1,2-Dichlorobenzene
Concen: 46.009 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

Tgt Ion:146 Resp: 322227
Ion Ratio Lower Upper
146 100
111 39.6 31.6 47.4
148 64.0 50.6 75.8

Instrument :
MSVOA_V
ClientSampled :
EW7A9MS

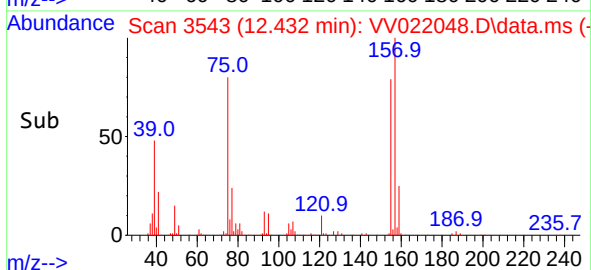
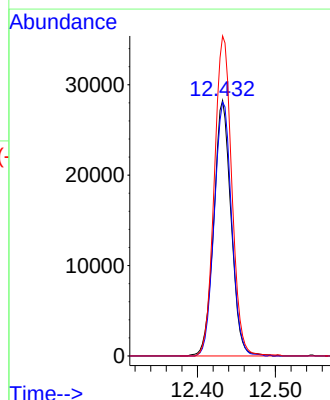
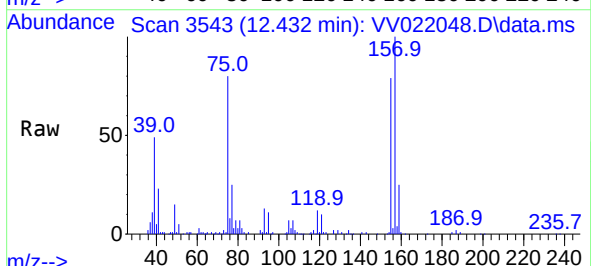
Manual Integrations
APPROVED

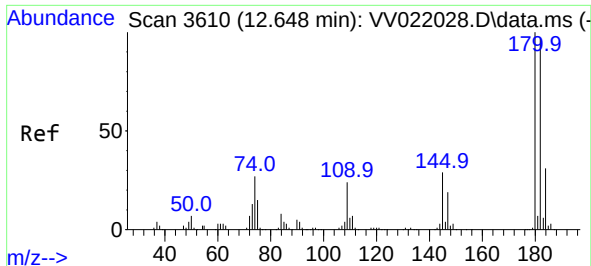
MMDadoda
9/1/2021 12:30:22 PM



#68
1,2-Dibromo-3-chloropropane
Concen: 47.266 ug/L
RT: 12.432 min Scan# 3543
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

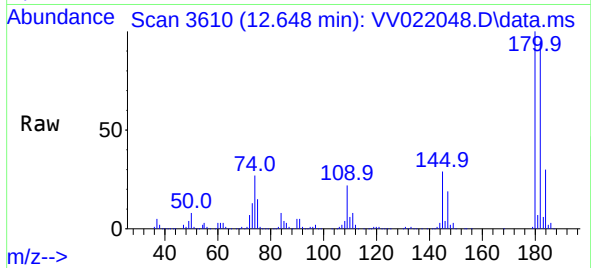
Tgt Ion: 75 Resp: 43649
Ion Ratio Lower Upper
75 100
155 99.4 79.8 119.6
157 125.3 98.3 147.5





#69
1,3,5-Trichlorobenzene
Concen: 45.412 ug/L
RT: 12.648 min Scan# 3610
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

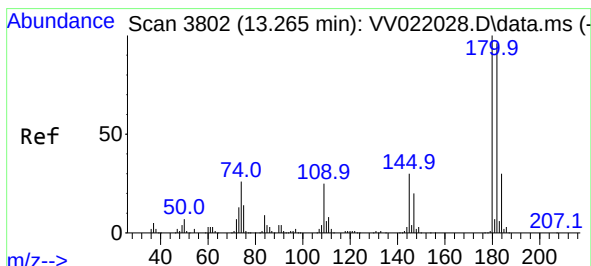
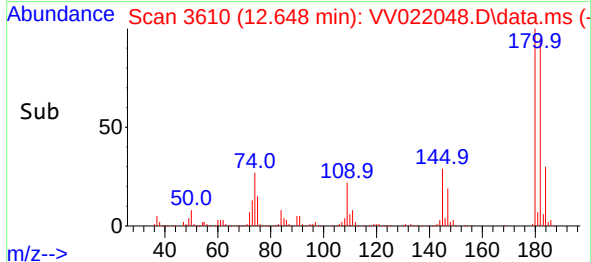
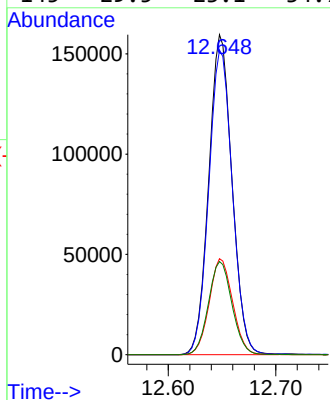
Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS



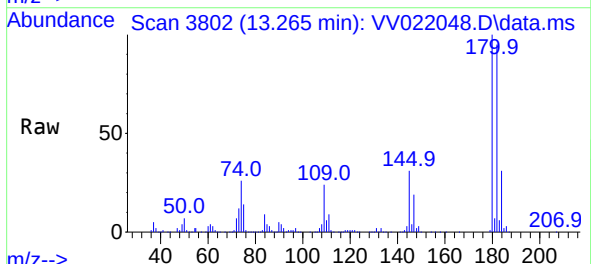
Tgt Ion:180 Resp: 239508
Ion Ratio Lower Upper
180 100
182 96.5 76.4 114.6
184 30.3 24.0 36.0
145 29.5 23.1 34.7

Manual Integrations
APPROVED

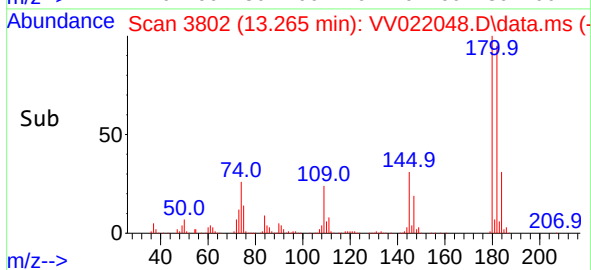
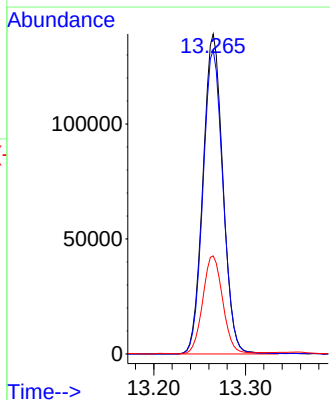
MMDadoda
9/1/2021 12:30:22 PM

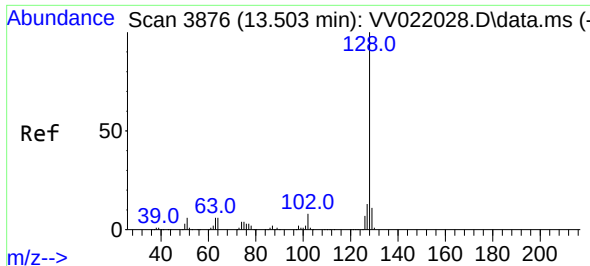


#70
1,2,4-trichlorobenzene
Concen: 45.203 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09

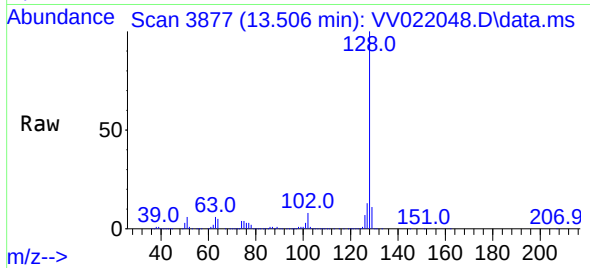


Tgt Ion:180 Resp: 209720
Ion Ratio Lower Upper
180 100
182 95.4 75.9 113.9
145 30.6 23.8 35.6

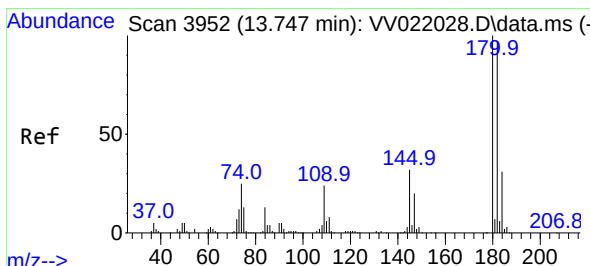
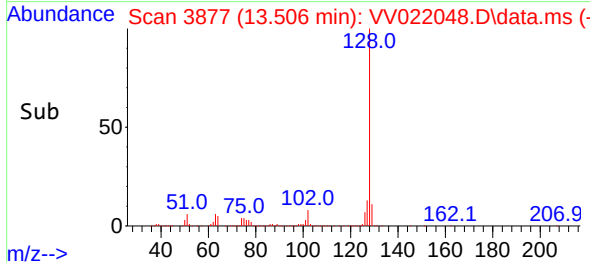
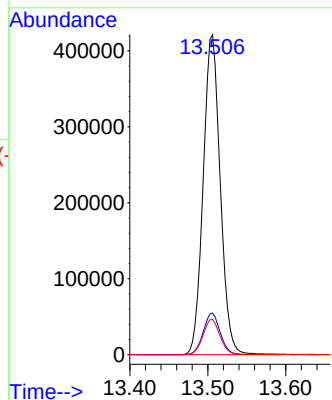




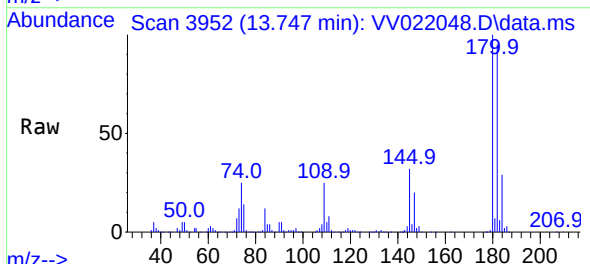
#71
Naphthalene
Concen: 48.006 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09



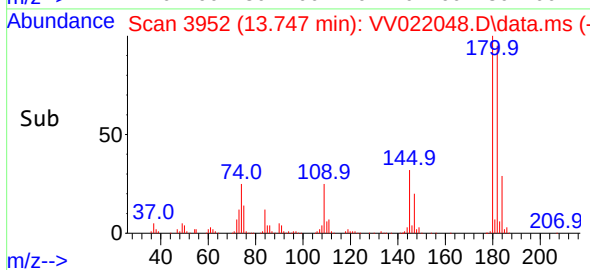
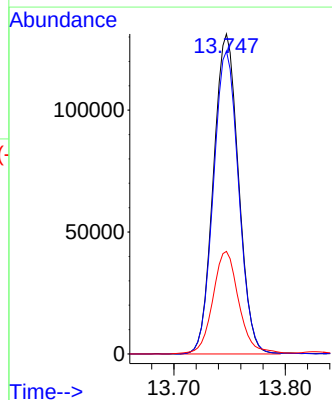
Tgt Ion:128 Resp: 640690
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 45.324 ug/L
RT: 13.747 min Scan# 3952
Delta R.T. 0.000 min
Lab File: VV022048.D
Acq: 31 Aug 2021 18:09



Tgt Ion:180 Resp: 205106
Ion Ratio Lower Upper
180 100
182 95.4 76.3 114.5
145 33.6 25.4 38.0



Instrument :
MSVOA_V
ClientSampleId :
EW7A9MS

Manual Integrations
APPROVED

MMDadoda
9/1/2021 12:30:22 PM