

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092321\
 Data File : VN068627.D
 Acq On : 23 Sep 2021 18:16
 Operator : JC/MD
 Sample : VN0923WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2021 6:59:00 PM

Quant Time: Sep 24 02:02:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	531063	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	911937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	857368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.68
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	411798	49.685	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.380%		
35) Dibromofluoromethane	8.024	113	286417	46.862	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.720%		
50) Toluene-d8	10.443	98	1142939	44.192	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	88.380%		
62) 4-Bromofluorobenzene	9.579	95	74766m	8.453	ug/l	-3.15
Spiked Amount 50.000	Range 58 - 135		Recovery =	16.900%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	103349	18.204	ug/l	100
3) Chloromethane	2.301	50	157295	16.799	ug/l	100
4) Vinyl Chloride	2.440	62	181848	20.000	ug/l	97
5) Bromomethane	2.850	94	90031	19.070	ug/l	97
6) Chloroethane	3.017	64	108273	21.535	ug/l	96
7) Trichlorofluoromethane	3.373	101	200423	18.944	ug/l	100
8) Diethyl Ether	3.827	74	69014	18.569	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.213	101	103922	18.377	ug/l	93
10) Methyl Iodide	4.427	142	93404	13.741	ug/l	93
11) Tert butyl alcohol	5.366	59	115078	90.178	ug/l	99
12) 1,1-Dichloroethene	4.183	96	97830	18.212	ug/l	93
13) Acrolein	4.044	56	36918	96.496	ug/l	99
14) Allyl chloride	4.848	41	202079	18.124	ug/l	99
15) Acrylonitrile	5.556	53	313436	91.125	ug/l	99
16) Acetone	4.291	43	288662	88.592	ug/l	98
17) Carbon Disulfide	4.535	76	279405	17.544	ug/l	99
18) Methyl Acetate	4.856	43	216078	17.720	ug/l	99
19) Methyl tert-butyl Ether	5.618	73	381265	18.917	ug/l	99
20) Methylene Chloride	5.101	84	121620	18.091	ug/l	97
21) trans-1,2-Dichloroethene	5.605	96	108057	18.498	ug/l	92
22) Diisopropyl ether	6.498	45	436491	19.002	ug/l	96
23) Vinyl Acetate	6.436	43	1715099	94.851	ug/l	99
24) 1,1-Dichloroethane	6.388	63	227548	19.108	ug/l	100
25) 2-Butanone	7.337	43	471325	93.254	ug/l	98
26) 2,2-Dichloropropane	7.327	77	177905	17.508	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	126874	18.433	ug/l	94
28) Bromochloromethane	7.659	49	74641	14.066	ug/l	95
29) Tetrahydrofuran	7.689	42	307113	95.596	ug/l	97
30) Chloroform	7.820	83	229888	19.038	ug/l	99
31) Cyclohexane	8.099	56	216125	18.579	ug/l	99
32) 1,1,1-Trichloroethane	8.019	97	205467	19.437	ug/l	98
36) 1,1-Dichloropropene	8.225	75	168148	18.256	ug/l	98
37) Ethyl Acetate	7.412	43	191276	18.292	ug/l	97
38) Carbon Tetrachloride	8.212	117	179426	18.861	ug/l	98
39) Methylcyclohexane	9.461	83	191389	17.739	ug/l	98
40) Benzene	8.464	78	504613	18.669	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092321\
 Data File : VN068627.D
 Acq On : 23 Sep 2021 18:16
 Operator : JC/MD
 Sample : VN0923WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

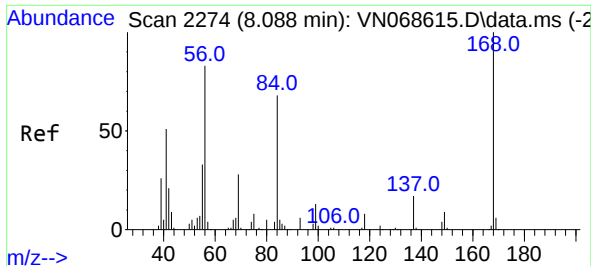
Manual Integrations
 APPROVED

MMDadoda
 9/24/2021 6:59:00 PM

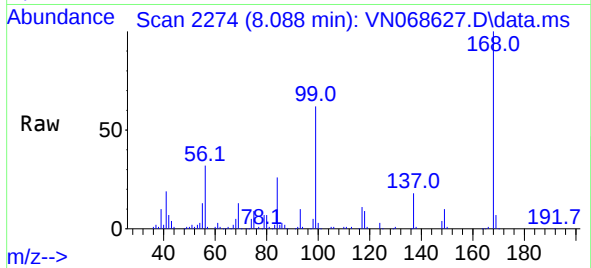
Quant Time: Sep 24 02:02:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	103816	18.772	ug/l	94
42) 1,2-Dichloroethane	8.531	62	203195	19.319	ug/l	100
43) Isopropyl Acetate	8.563	43	334700	18.711	ug/l	99
44) Trichloroethene	9.217	130	120978	18.571	ug/l	88
45) 1,2-Dichloropropane	9.491	63	135517	19.042	ug/l	100
46) Dibromomethane	9.579	93	89569	19.036	ug/l	93
47) Bromodichloromethane	9.765	83	183698	18.827	ug/l	97
48) Methyl methacrylate	9.561	41	145471	17.806	ug/l	97
49) 1,4-Dioxane	9.571	88	45399	380.945	ug/l	98
51) 4-Methyl-2-Pentanone	10.333	43	1013702	93.709	ug/l	100
52) Toluene	10.507	92	332678	19.421	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	194434	18.063	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	205535	18.277	ug/l	99
55) 1,1,2-Trichloroethane	10.899	97	125172	18.850	ug/l	97
56) Ethyl methacrylate	10.762	69	207875	17.961	ug/l	98
57) 1,3-Dichloropropane	11.046	76	221328	19.092	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	226656	80.091	ug/l	98
59) 2-Hexanone	11.087	43	740879	95.241	ug/l	99
60) Dibromochloromethane	11.240	129	135459	18.876	ug/l	100
61) 1,2-Dibromoethane	11.347	107	129195	19.021	ug/l	98
64) Tetrachloroethene	10.982	164	104416	18.547	ug/l	92
65) Chlorobenzene	11.773	112	340533	18.801	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.843	131	129198	19.539	ug/l	99
67) Ethyl Benzene	11.846	91	622766	18.872	ug/l	98
68) m/p-Xylenes	11.956	106	458828	37.881	ug/l	90
69) o-Xylene	11.956	106	460698m	38.717	ug/l	
70) Styrene	11.956	104	23448m	1.225	ug/l	

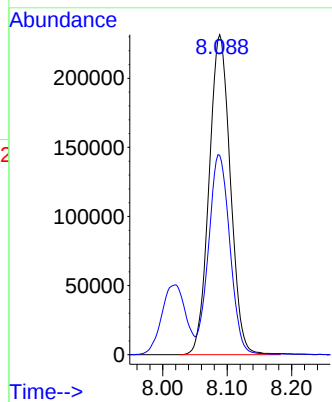
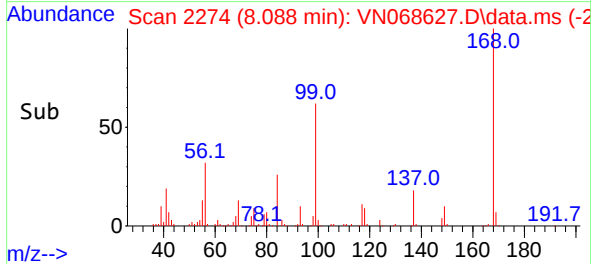
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



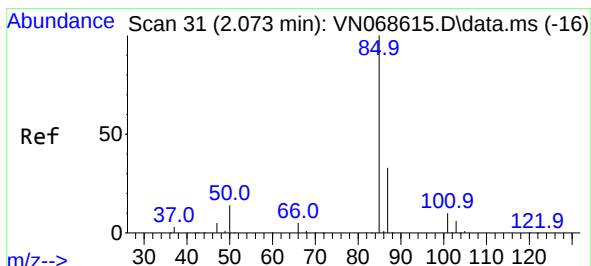
Tgt Ion: 168 Resp: 531063
Ion Ratio Lower Upper
168 100
99 62.1 62.9 94.3#



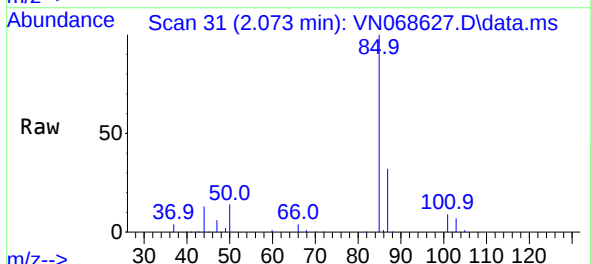
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Manual Integrations
APPROVED

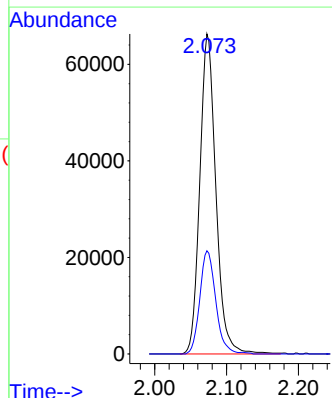
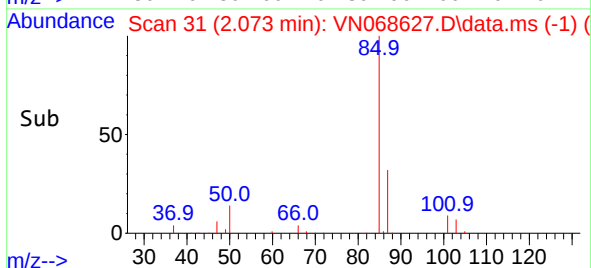
MMDadoda
9/24/2021 6:59:00 PM

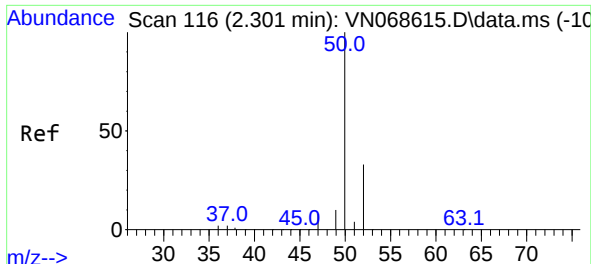


#2
Dichlorodifluoromethane
Concen: 18.204 ug/l
RT: 2.073 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



Tgt Ion: 85 Resp: 103349
Ion Ratio Lower Upper
85 100
87 32.3 16.1 48.2





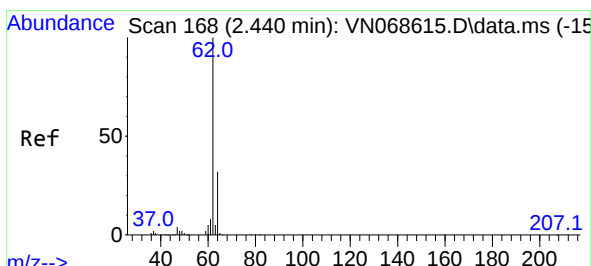
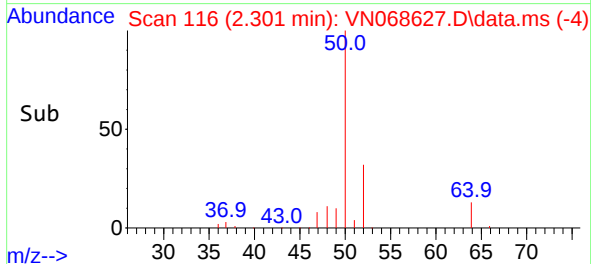
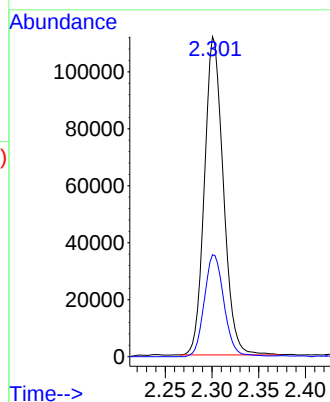
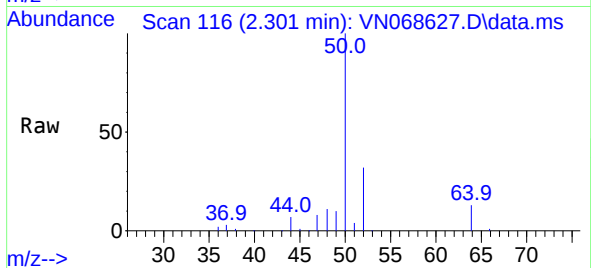
#3
Chloromethane
Concen: 16.799 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 50 Resp: 157295
Ion Ratio Lower Upper
50 100
52 32.0 25.6 38.4

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

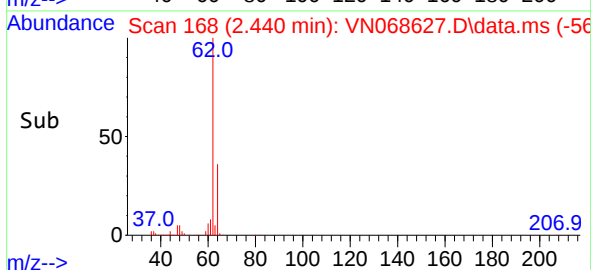
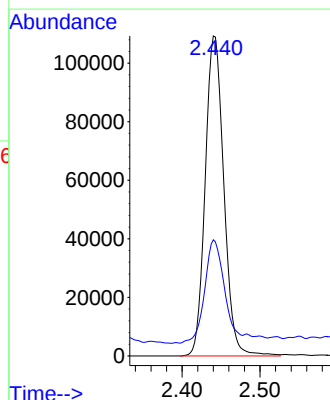
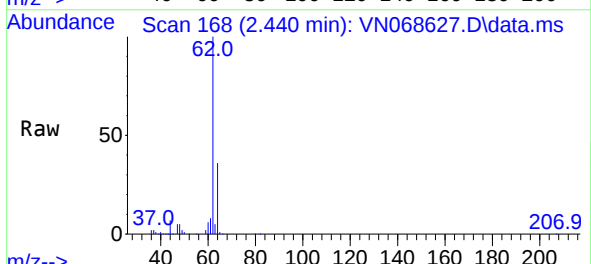
Manual Integrations
APPROVED

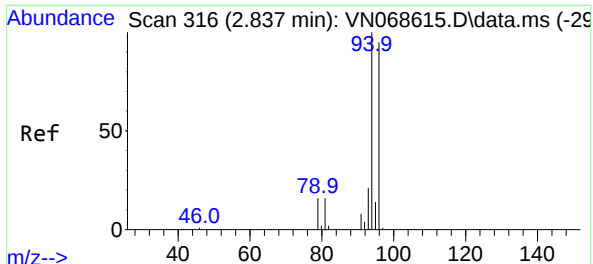
MMDadoda
9/24/2021 6:59:00 PM



#4
Vinyl Chloride
Concen: 20.000 ug/l
RT: 2.440 min Scan# 168
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 62 Resp: 181848
Ion Ratio Lower Upper
62 100
64 32.3 24.4 36.6





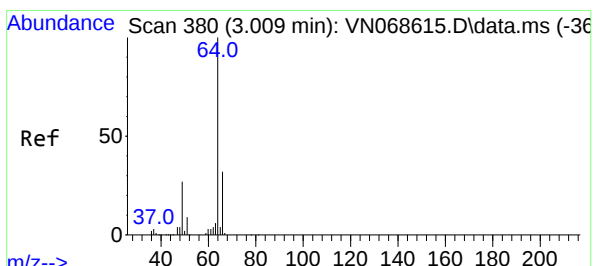
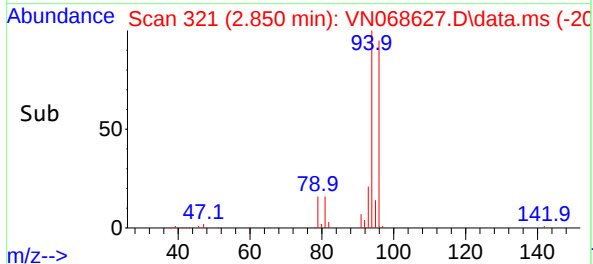
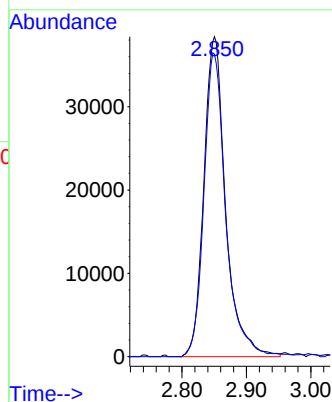
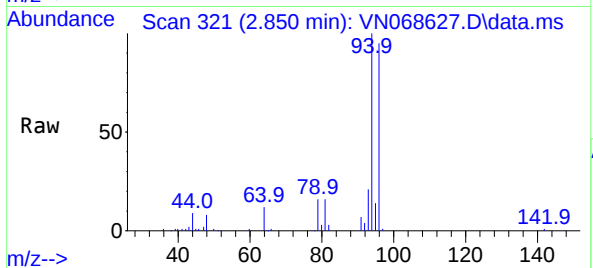
#5
Bromomethane
Concen: 19.070 ug/l
RT: 2.850 min Scan# 321
Delta R.T. 0.013 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 94 Resp: 90031
Ion Ratio Lower Upper
94 100
96 94.6 73.7 110.5

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

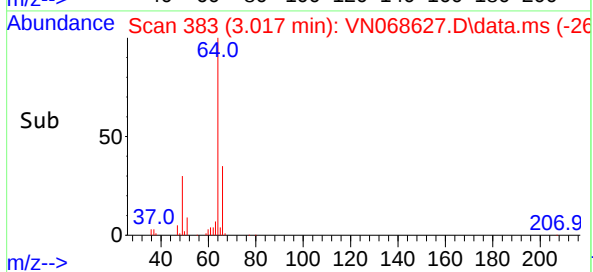
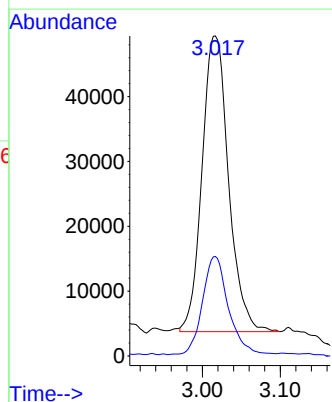
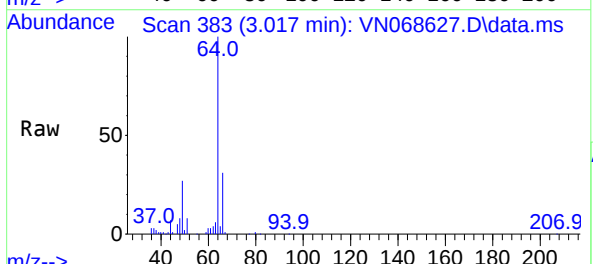
Manual Integrations
APPROVED

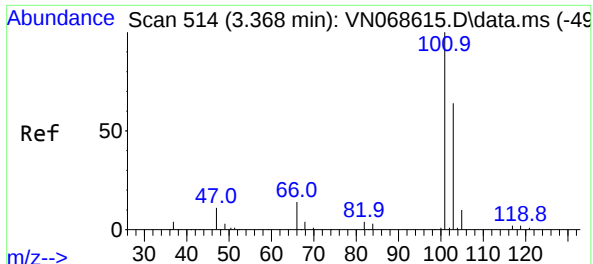
MMDadoda
9/24/2021 6:59:00 PM



#6
Chloroethane
Concen: 21.535 ug/l
RT: 3.017 min Scan# 383
Delta R.T. 0.008 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 64 Resp: 108273
Ion Ratio Lower Upper
64 100
66 33.0 24.7 37.1





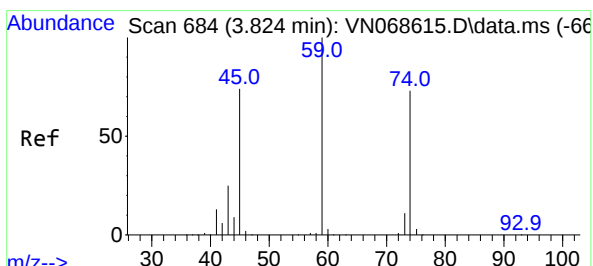
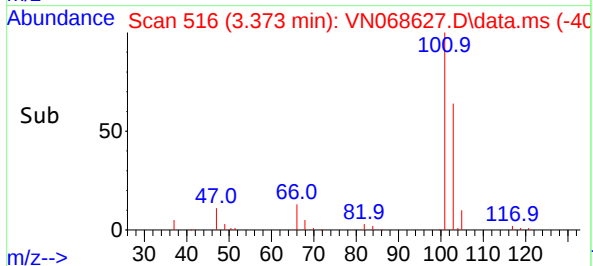
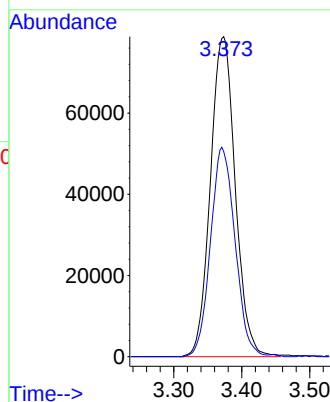
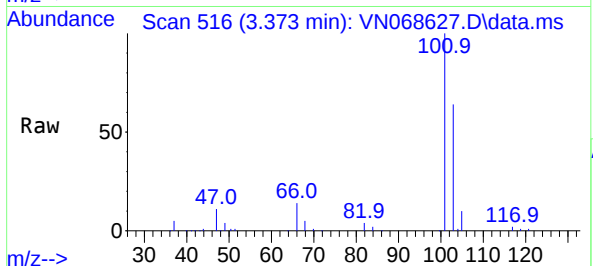
#7
Trichlorofluoromethane
Concen: 18.944 ug/l
RT: 3.373 min Scan# 516
Delta R.T. 0.005 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion:101 Resp: 200423
Ion Ratio Lower Upper
101 100
103 64.1 51.2 76.8

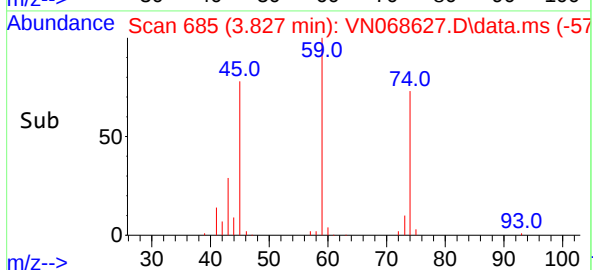
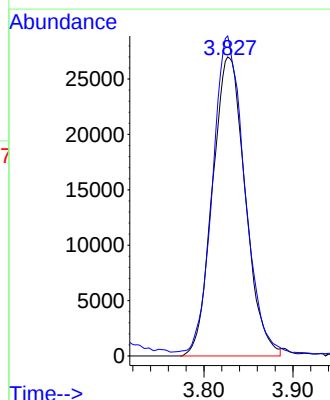
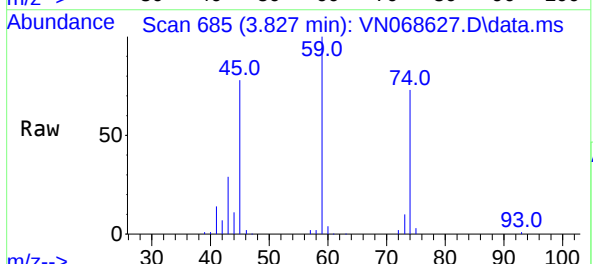
Manual Integrations
APPROVED

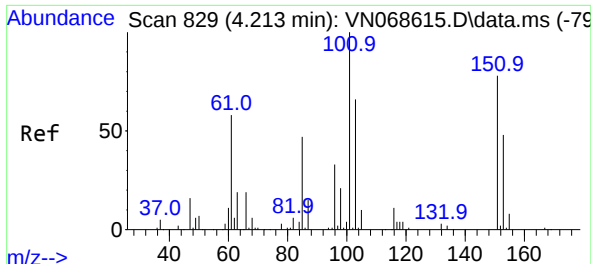
MMDadoda
9/24/2021 6:59:00 PM



#8
Diethyl Ether
Concen: 18.569 ug/l
RT: 3.827 min Scan# 685
Delta R.T. 0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 74 Resp: 69014
Ion Ratio Lower Upper
74 100
45 103.6 50.2 150.7





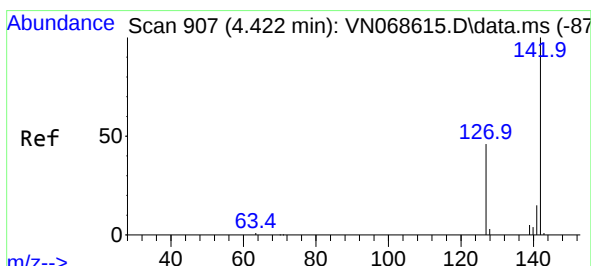
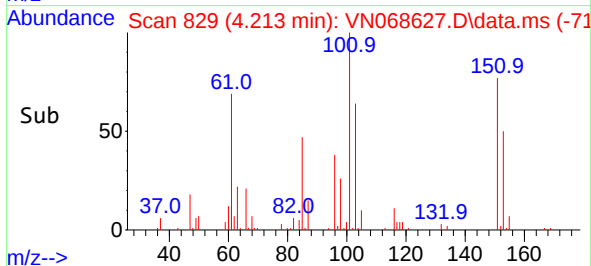
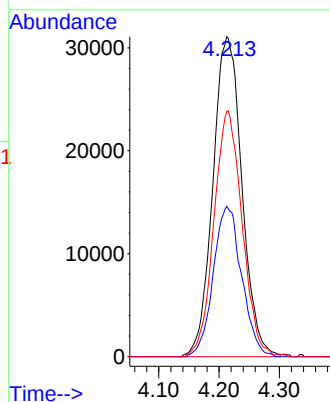
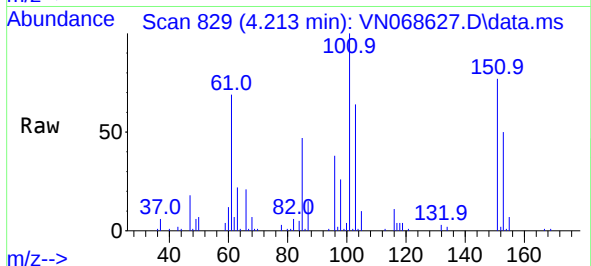
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.377 ug/l
RT: 4.213 min Scan# 829
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion:	101	Resp:	103922
Ion	Ratio	Lower	Upper
101	100		
85	45.9	39.6	59.4
151	74.6	54.1	81.1

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

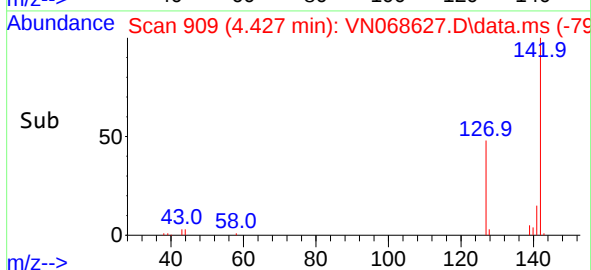
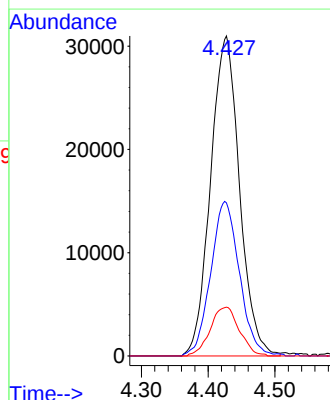
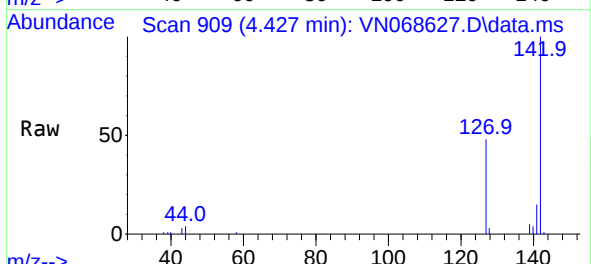
Manual Integrations
APPROVED

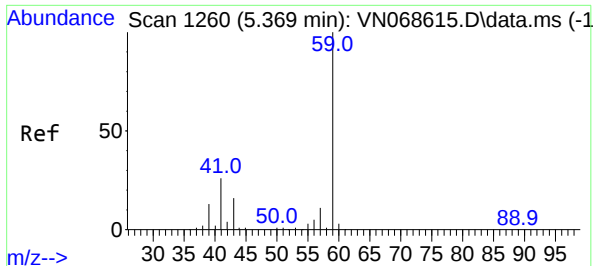
MMDadoda
9/24/2021 6:59:00 PM



#10
Methyl Iodide
Concen: 13.741 ug/l
RT: 4.427 min Scan# 909
Delta R.T. 0.005 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion:	142	Resp:	93404
Ion	Ratio	Lower	Upper
142	100		
127	47.8	43.1	64.7
141	15.3	11.4	17.0





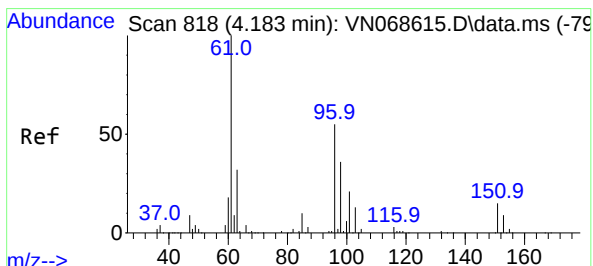
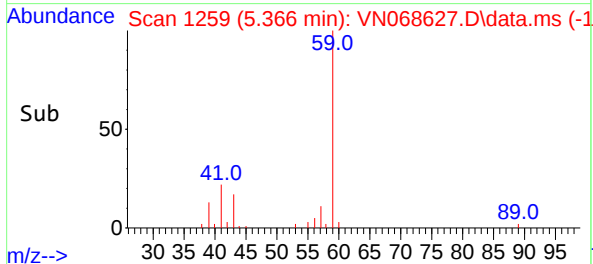
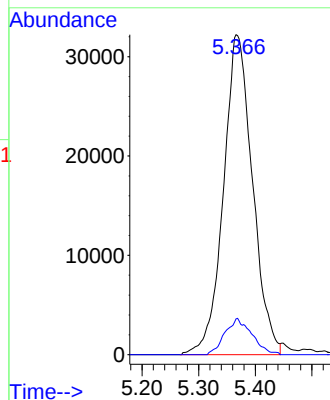
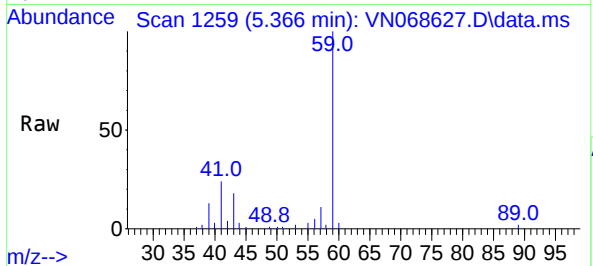
#11
Tert butyl alcohol
Concen: 90.178 ug/l
RT: 5.366 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 59 Resp: 115078
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

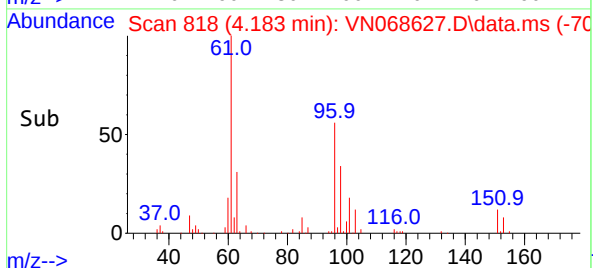
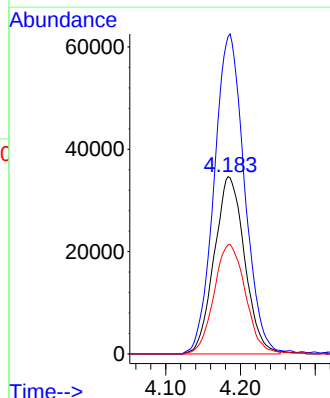
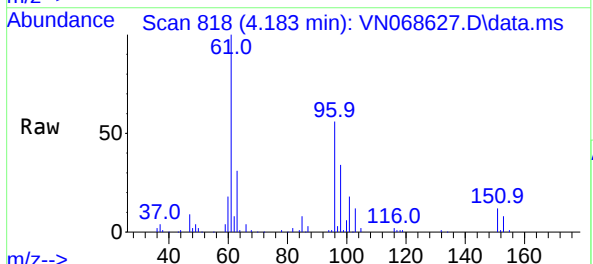
Manual Integrations
APPROVED

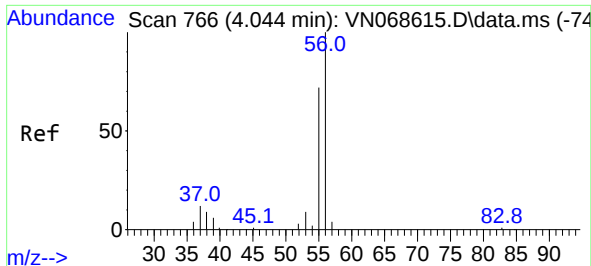
MMDadoda
9/24/2021 6:59:00 PM



#12
1,1-Dichloroethene
Concen: 18.212 ug/l
RT: 4.183 min Scan# 818
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

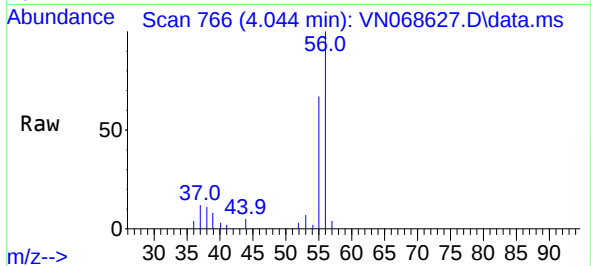
Tgt Ion: 96 Resp: 97830
Ion Ratio Lower Upper
96 100
61 179.1 152.6 229.0
98 61.5 50.9 76.3





#13
Acrolein
Concen: 96.496 ug/l
RT: 4.044 min Scan# 766
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

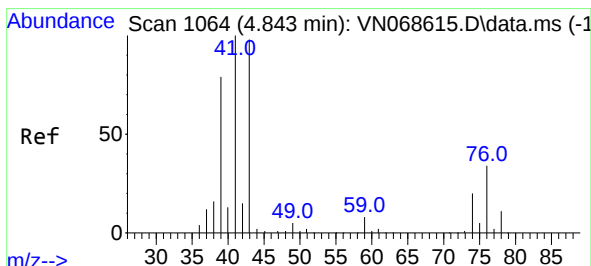
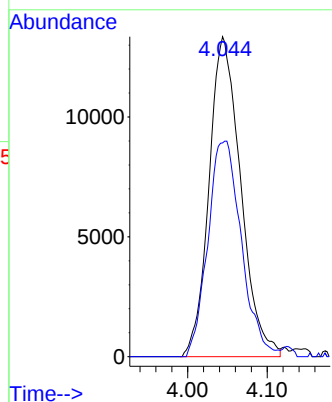
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01



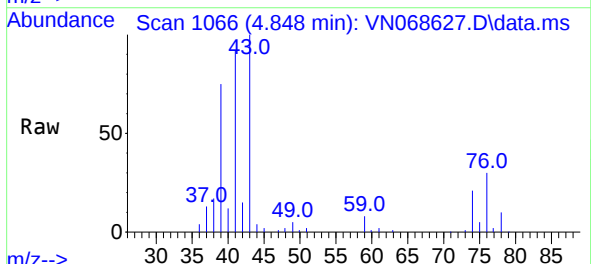
Tgt Ion: 56 Resp: 36918
Ion Ratio Lower Upper
56 100
55 71.0 57.4 86.0

Manual Integrations
APPROVED

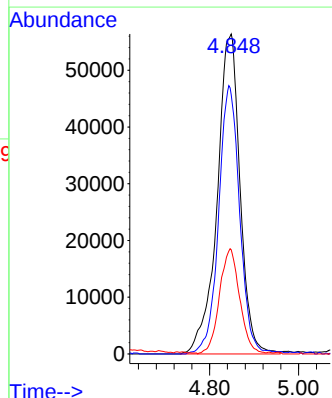
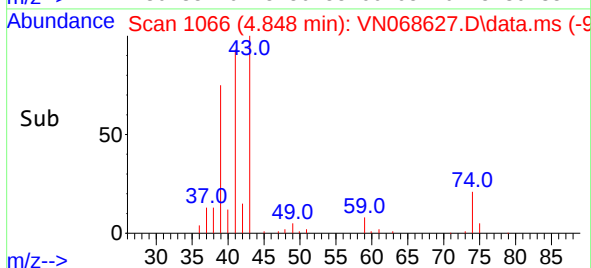
MMDadoda
9/24/2021 6:59:00 PM

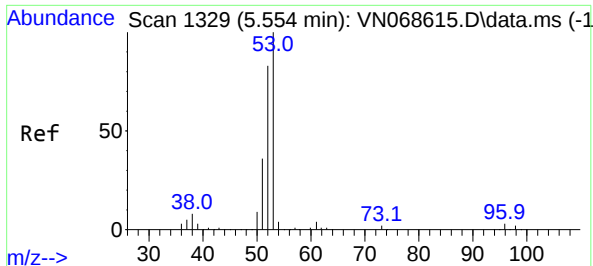


#14
Allyl chloride
Concen: 18.124 ug/l
RT: 4.848 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



Tgt Ion: 41 Resp: 202079
Ion Ratio Lower Upper
41 100
39 76.5 60.9 91.3
76 29.0 24.3 36.5





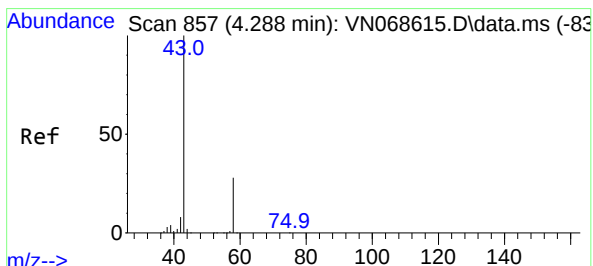
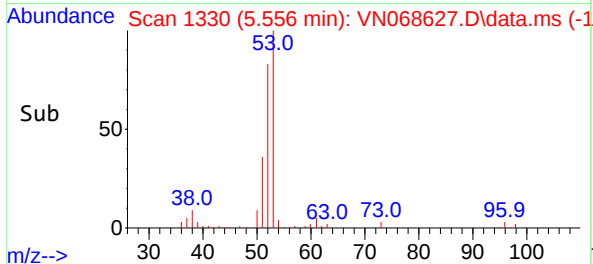
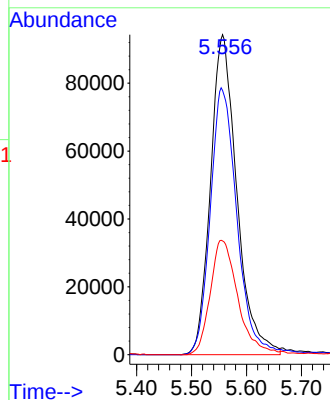
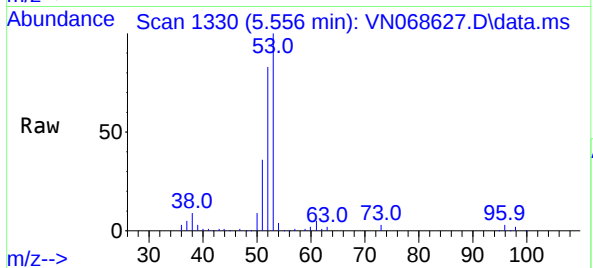
#15
Acrylonitrile
Concen: 91.125 ug/l
RT: 5.556 min Scan# 1330
Delta R.T. 0.002 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 53 Resp: 313436
Ion Ratio Lower Upper
53 100
52 84.3 66.2 99.2
51 37.5 30.2 45.4

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

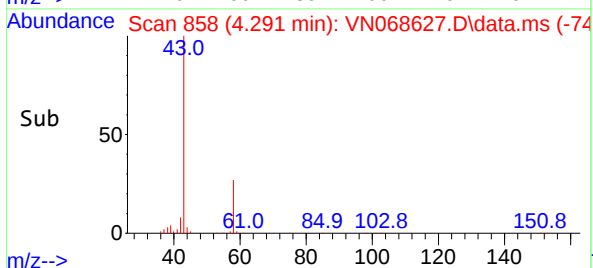
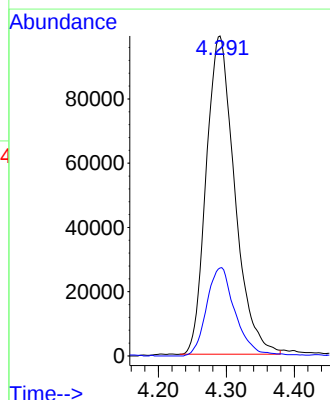
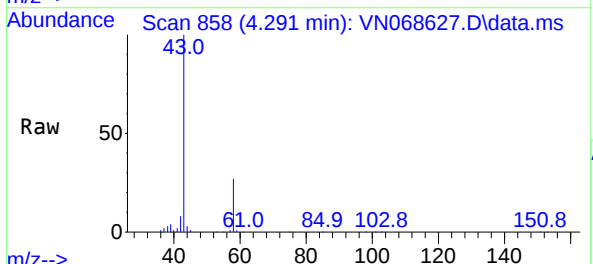
Manual Integrations
APPROVED

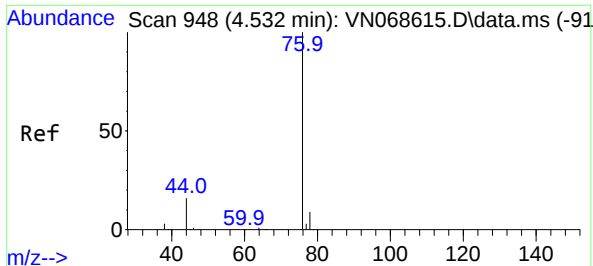
MMDadoda
9/24/2021 6:59:00 PM



#16
Acetone
Concen: 88.592 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 43 Resp: 288662
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8





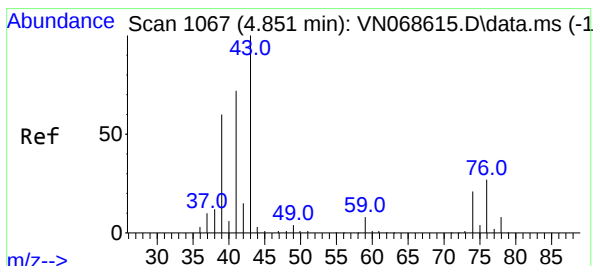
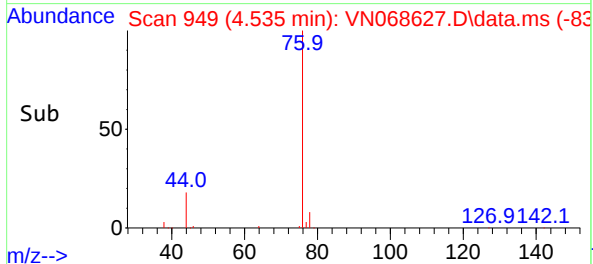
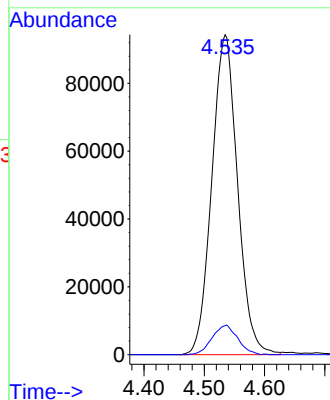
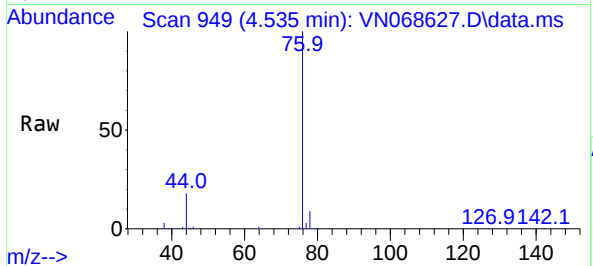
#17
Carbon Disulfide
Concen: 17.544 ug/l
RT: 4.535 min Scan# 949
Delta R.T. 0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 76 Resp: 279405
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

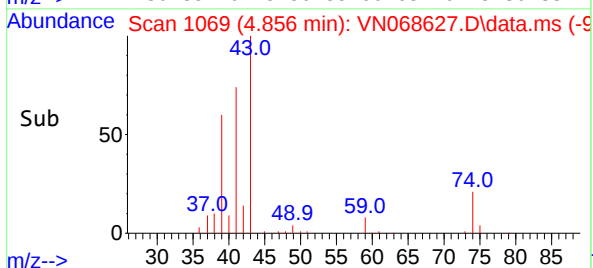
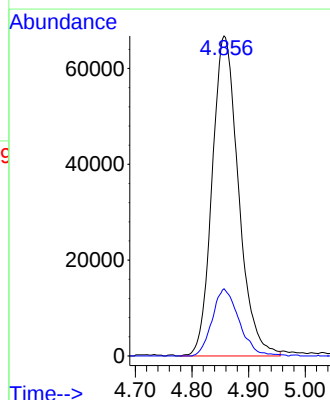
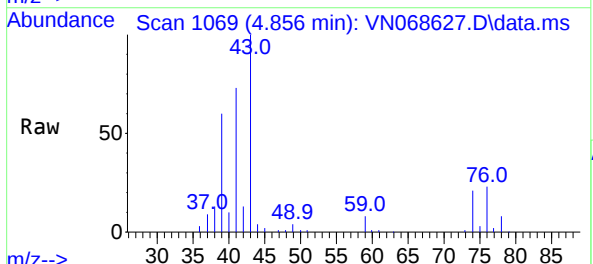
Manual Integrations
APPROVED

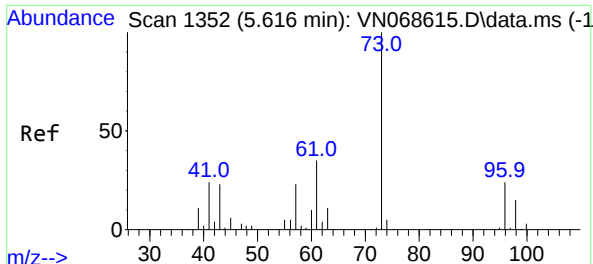
MMDadoda
9/24/2021 6:59:00 PM



#18
Methyl Acetate
Concen: 17.720 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. 0.005 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 43 Resp: 216078
Ion Ratio Lower Upper
43 100
74 21.4 17.4 26.0





#19

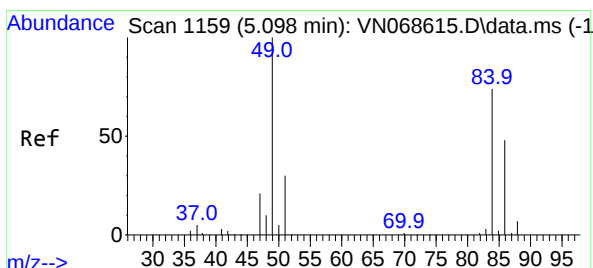
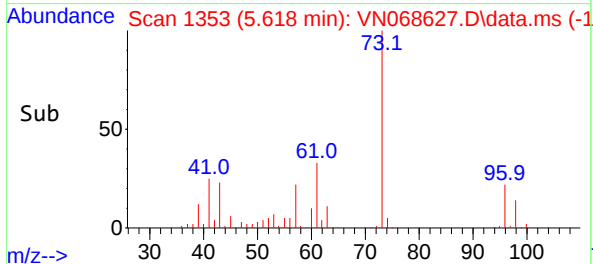
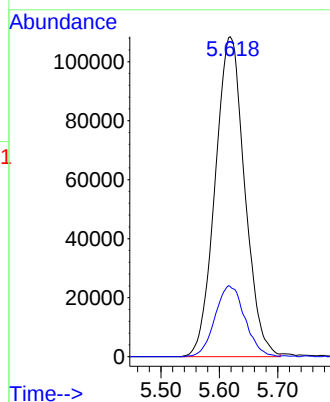
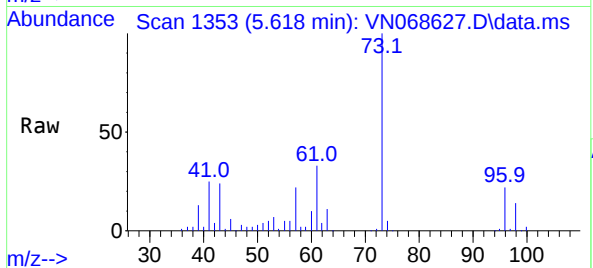
Methyl tert-butyl Ether
Concen: 18.917 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.002 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 73 Resp: 381265
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.6

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Manual Integrations
APPROVED

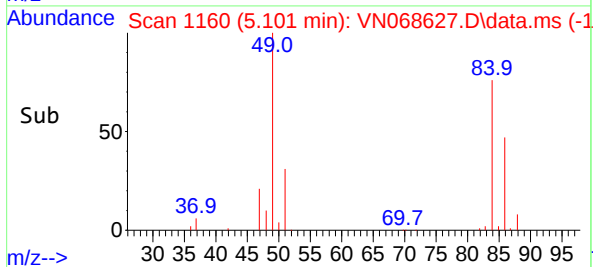
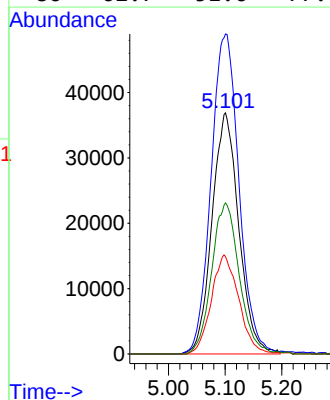
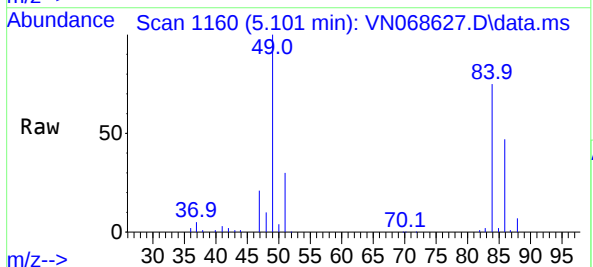
MMDadoda
9/24/2021 6:59:00 PM

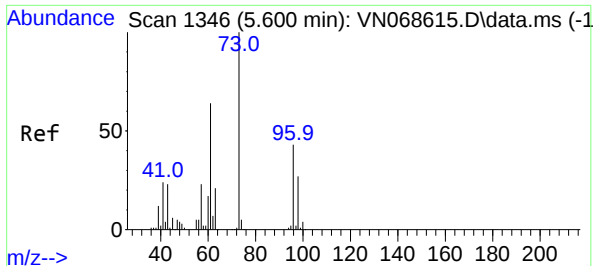


#20

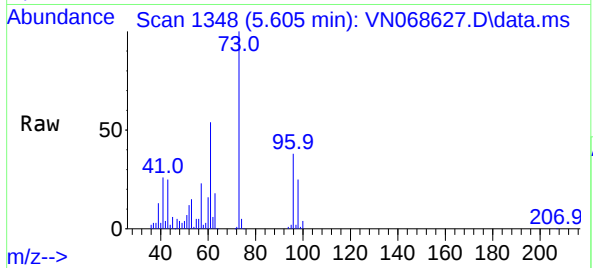
Methylene Chloride
Concen: 18.091 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 84 Resp: 121620
Ion Ratio Lower Upper
84 100
49 132.7 110.9 166.3
51 40.4 32.6 49.0
86 62.7 51.6 77.4

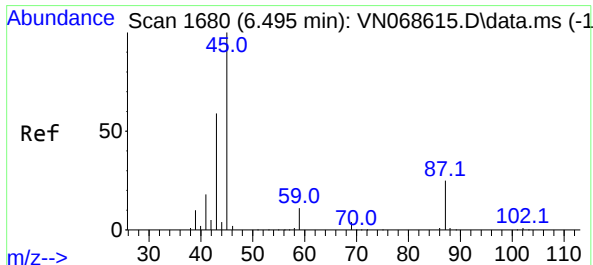
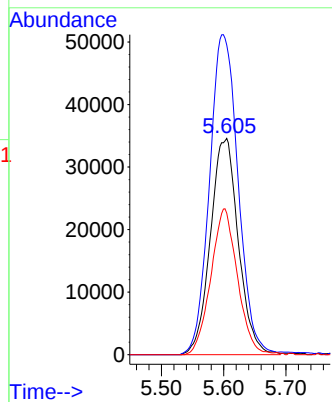
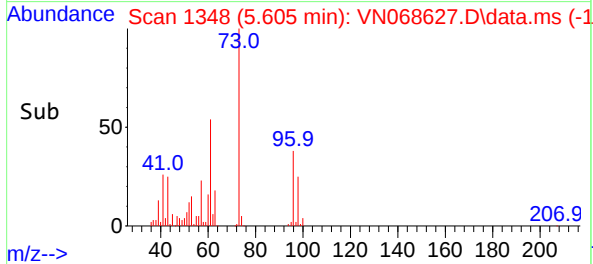




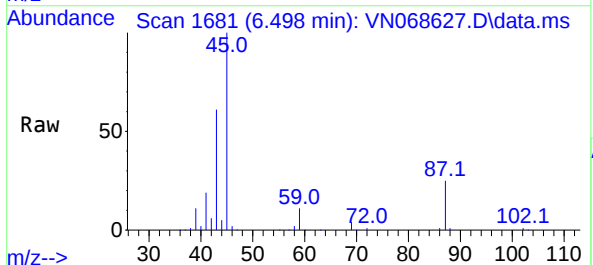
#21
trans-1,2-Dichloroethene
Concen: 18.498 ug/l
RT: 5.605 min Scan# 1348
Delta R.T. 0.005 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



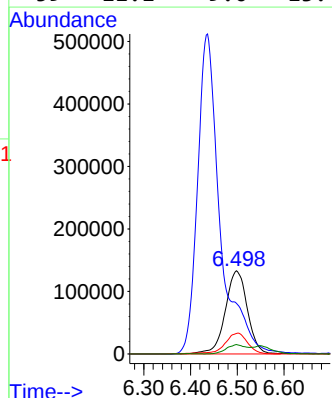
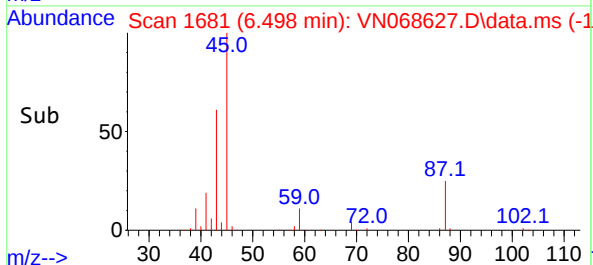
Tgt Ion: 96 Resp: 108057
Ion Ratio Lower Upper
96 100
61 143.1 123.5 185.3
98 65.4 48.6 72.8



#22
Diisopropyl ether
Concen: 19.002 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



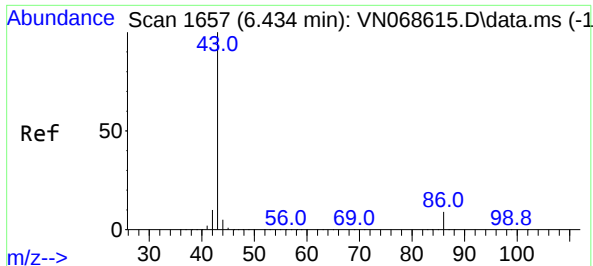
Tgt Ion: 45 Resp: 436491
Ion Ratio Lower Upper
45 100
43 58.5 49.4 74.2
87 24.6 20.9 31.3
59 11.1 9.0 13.4



Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Manual Integrations
APPROVED

MMDadoda
9/24/2021 6:59:00 PM



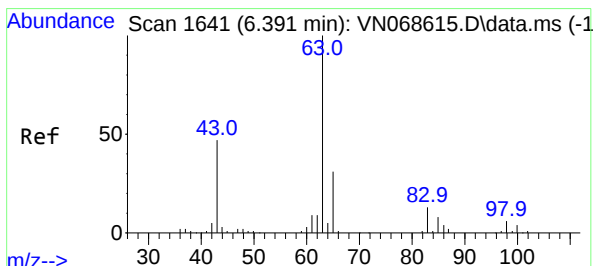
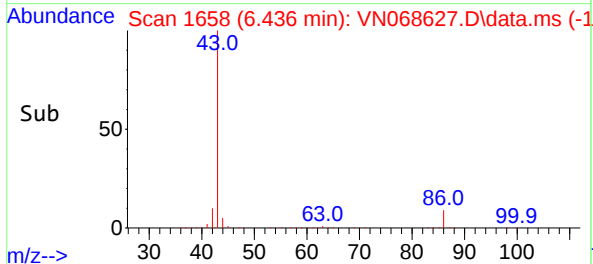
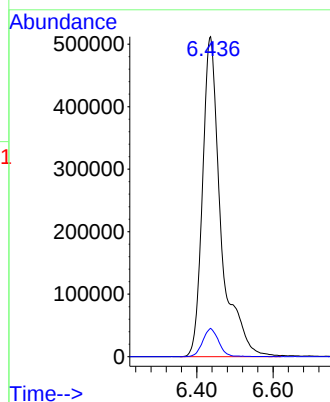
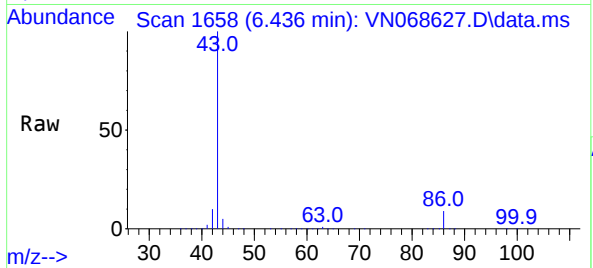
#23
 Vinyl Acetate
 Concen: 94.851 ug/l
 RT: 6.436 min Scan# 1658
 Delta R.T. 0.002 min
 Lab File: VN068627.D
 Acq: 23 Sep 2021 18:16

Tgt Ion: 43 Resp: 1715099
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.3 10.9

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

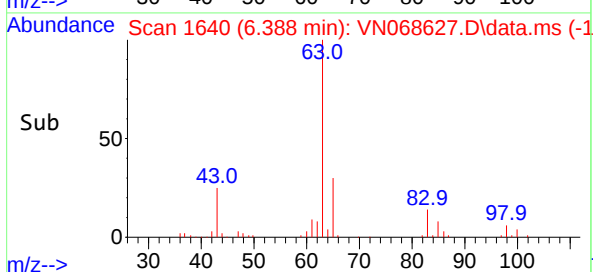
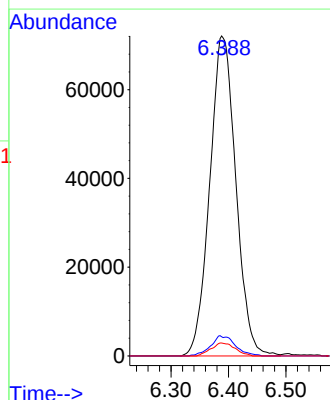
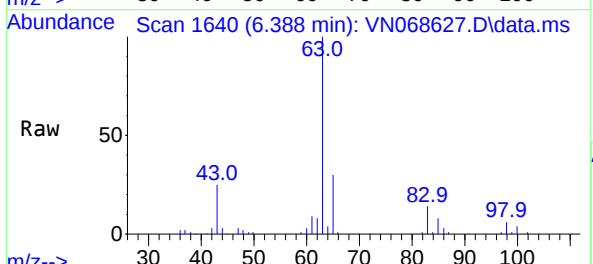
Manual Integrations
 APPROVED

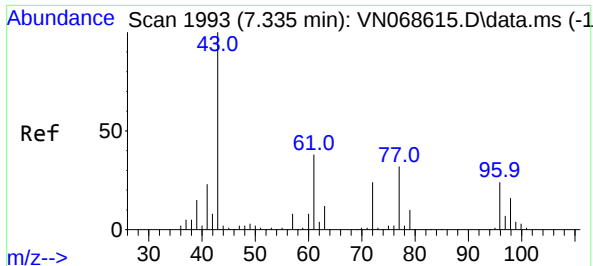
MMDadoda
 9/24/2021 6:59:00 PM



#24
 1,1-Dichloroethane
 Concen: 19.108 ug/l
 RT: 6.388 min Scan# 1640
 Delta R.T. -0.003 min
 Lab File: VN068627.D
 Acq: 23 Sep 2021 18:16

Tgt Ion: 63 Resp: 227548
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 4.0 1.9 5.7





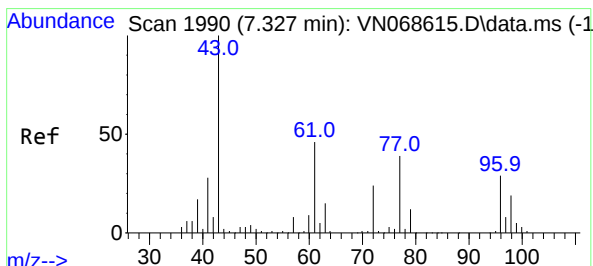
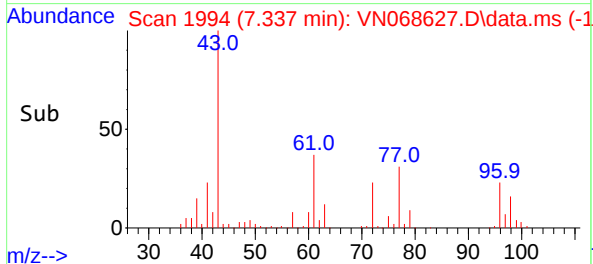
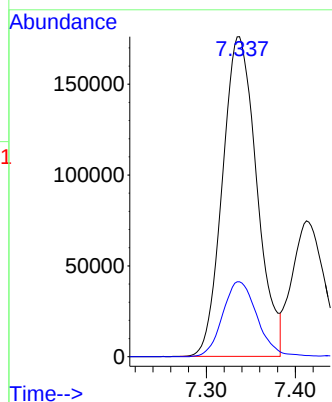
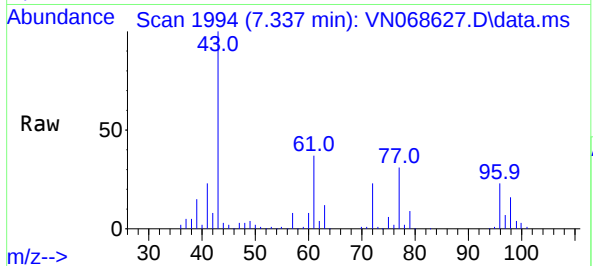
#25
2-Butanone
Concen: 93.254 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 43 Resp: 471325
Ion Ratio Lower Upper
43 100
72 23.4 19.7 29.5

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

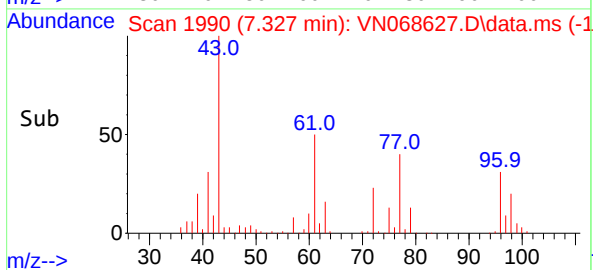
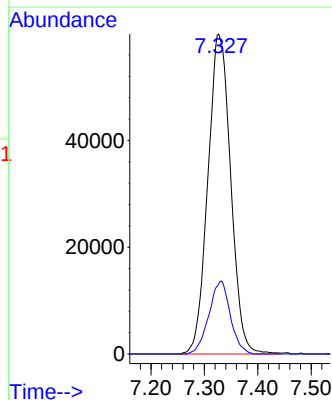
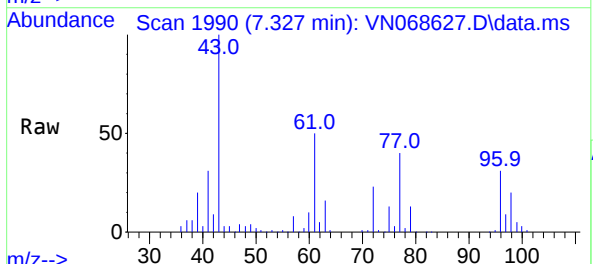
Manual Integrations
APPROVED

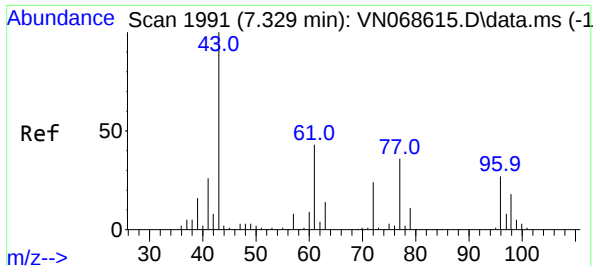
MMDadoda
9/24/2021 6:59:00 PM



#26
2,2-Dichloropropane
Concen: 17.508 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 77 Resp: 177905
Ion Ratio Lower Upper
77 100
97 21.4 9.8 29.3





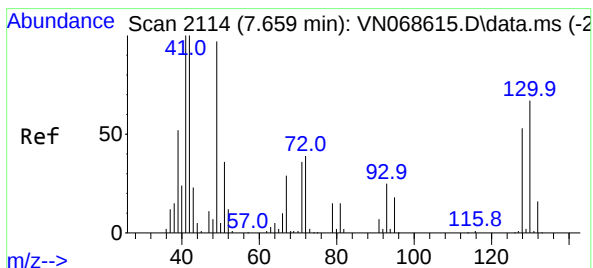
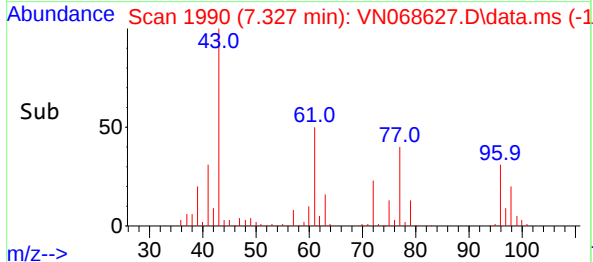
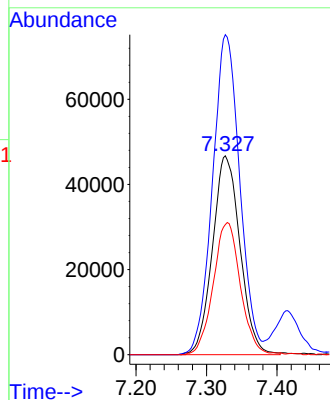
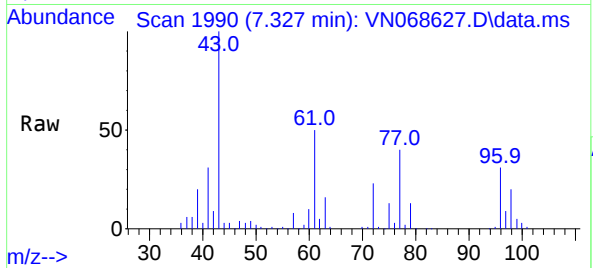
#27
 cis-1,2-Dichloroethene
 Concen: 18.433 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. -0.002 min
 Lab File: VN068627.D
 Acq: 23 Sep 2021 18:16

Tgt Ion: 96 Resp: 126874
 Ion Ratio Lower Upper
 96 100
 61 159.2 0.0 338.8
 98 65.3 0.0 129.8

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

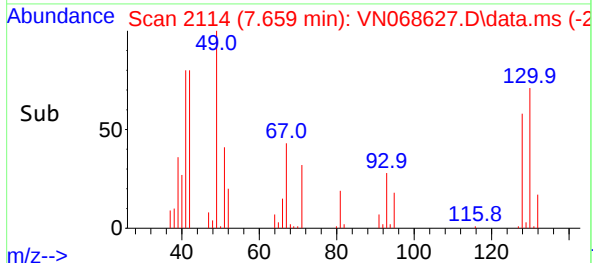
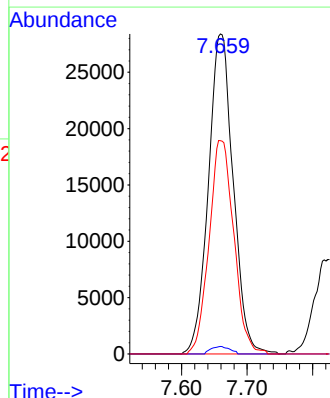
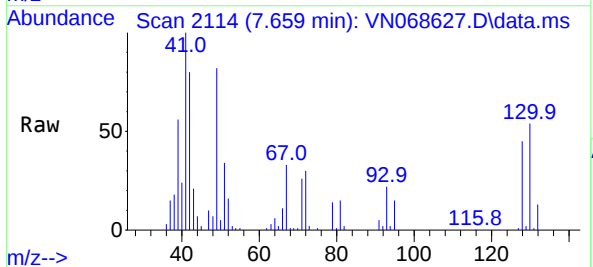
Manual Integrations
 APPROVED

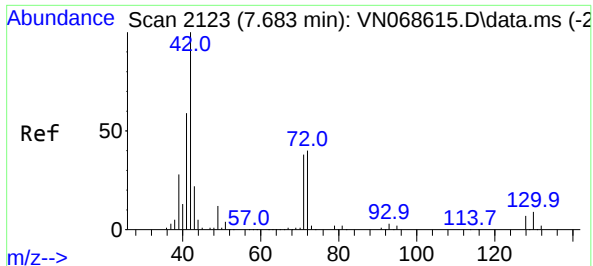
MMDadoda
 9/24/2021 6:59:00 PM



#28
 Bromochloromethane
 Concen: 14.066 ug/l
 RT: 7.659 min Scan# 2114
 Delta R.T. 0.000 min
 Lab File: VN068627.D
 Acq: 23 Sep 2021 18:16

Tgt Ion: 49 Resp: 74641
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 66.4 49.7 74.5





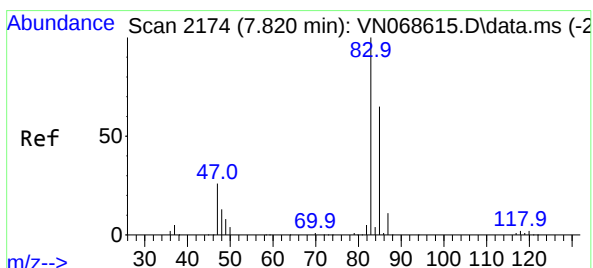
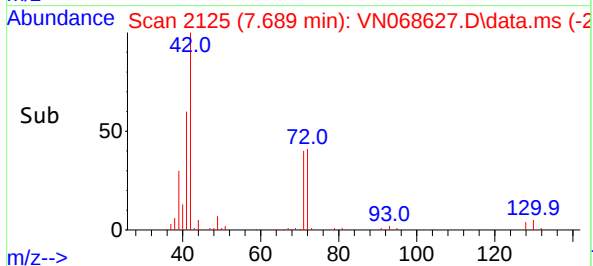
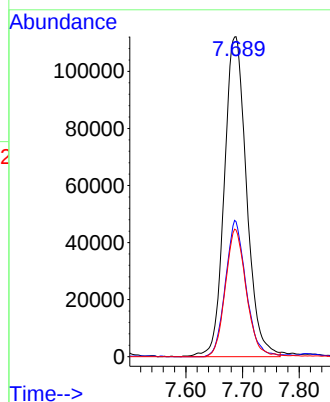
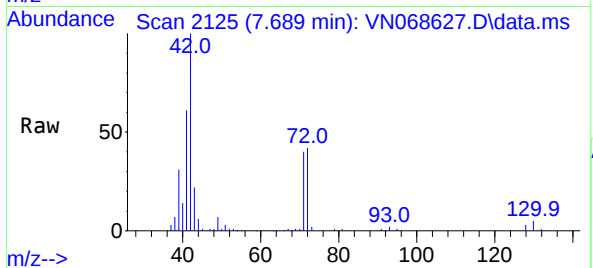
#29
Tetrahydrofuran
Concen: 95.596 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.006 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion:	42	Resp:	307113
Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.8	49.2
71	37.0	31.2	46.8

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

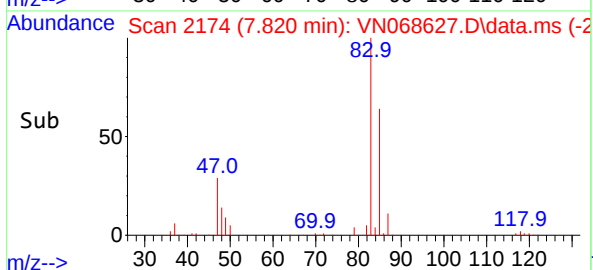
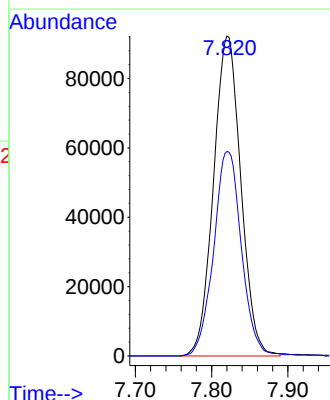
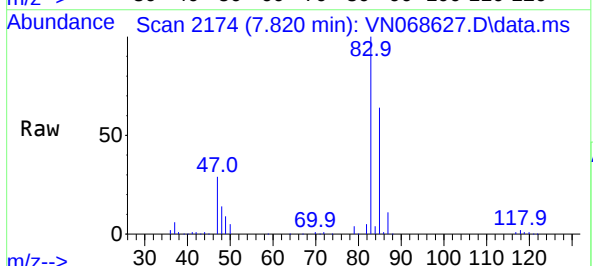
Manual Integrations
APPROVED

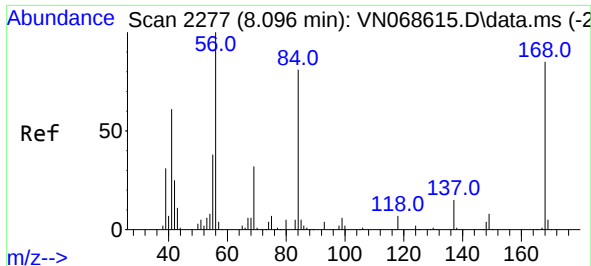
MMDadoda
9/24/2021 6:59:00 PM



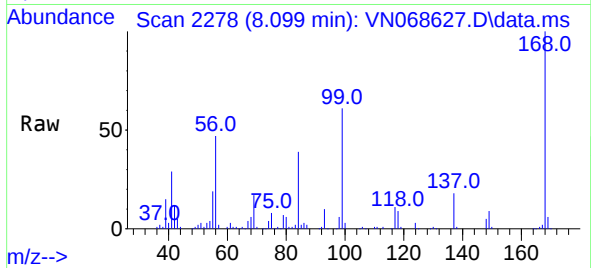
#30
Chloroform
Concen: 19.038 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion:	83	Resp:	229888
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3

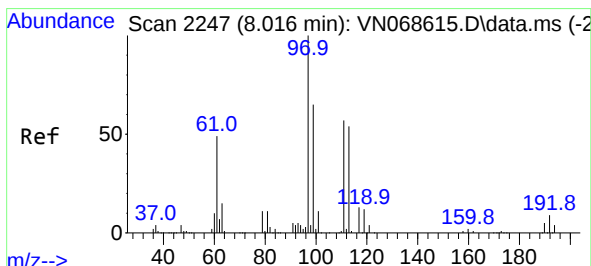
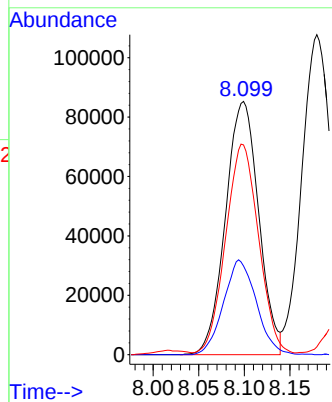
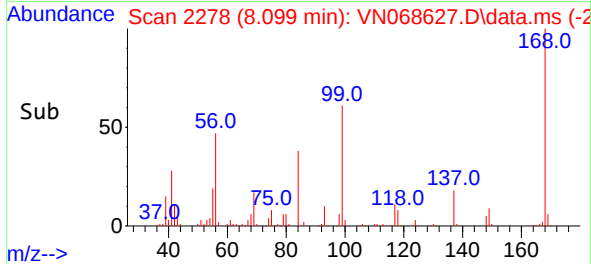




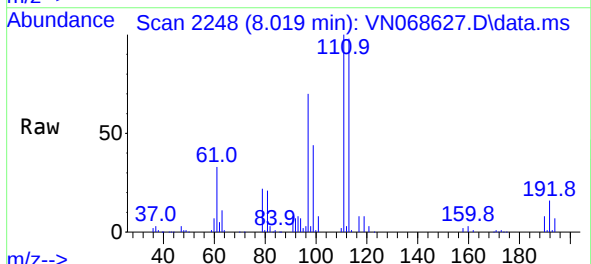
#31
Cyclohexane
Concen: 18.579 ug/l
RT: 8.099 min Scan# 2278
Delta R.T. 0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



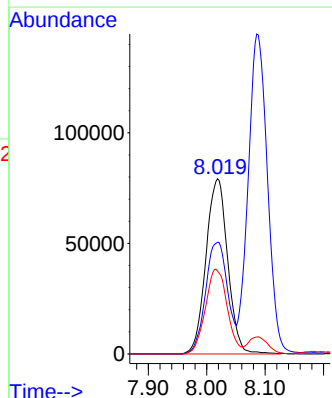
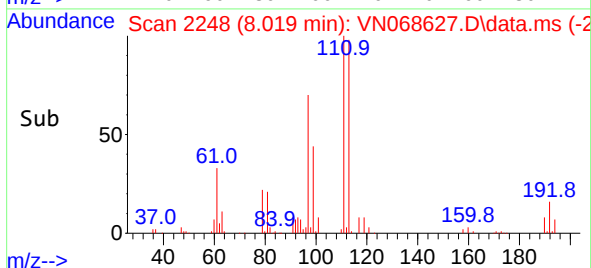
Tgt Ion: 56 Resp: 216125
Ion Ratio Lower Upper
56 100
69 35.0 27.3 40.9
84 81.4 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 19.437 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. 0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



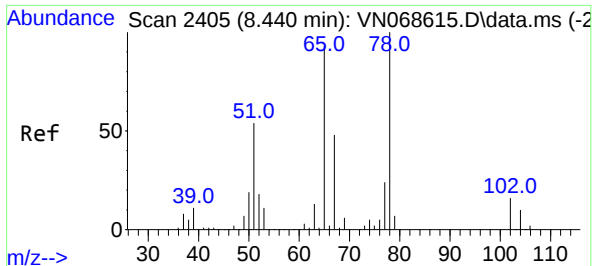
Tgt Ion: 97 Resp: 205467
Ion Ratio Lower Upper
97 100
99 64.8 50.2 75.2
61 48.6 38.2 57.2



Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Manual Integrations
APPROVED

MMDadoda
9/24/2021 6:59:00 PM



#33

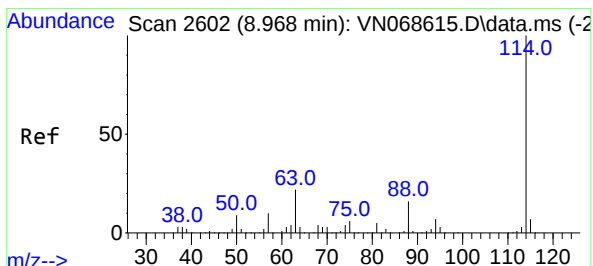
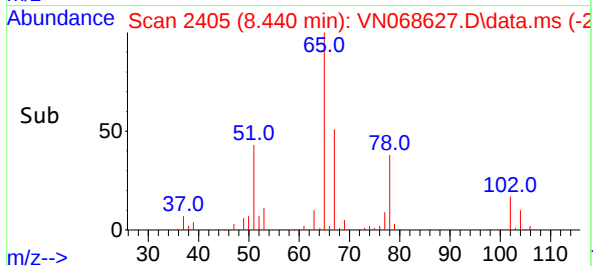
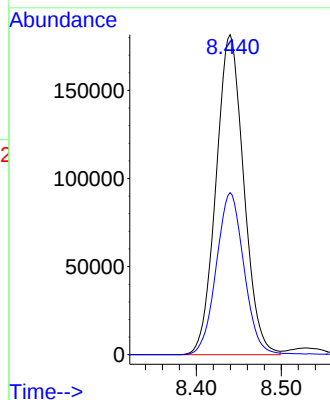
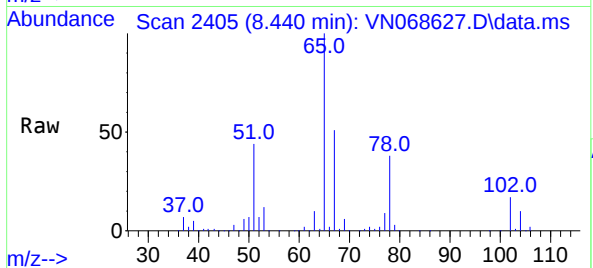
1,2-Dichloroethane-d4
Concen: 49.685 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 65 Resp: 411798
Ion Ratio Lower Upper
65 100
67 50.7 0.0 98.6

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Manual Integrations
APPROVED

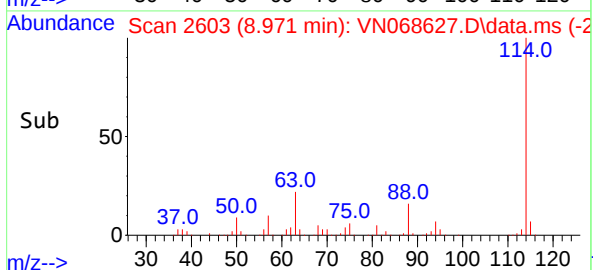
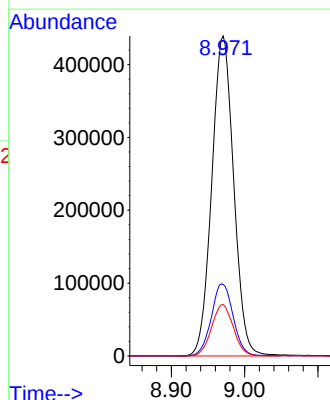
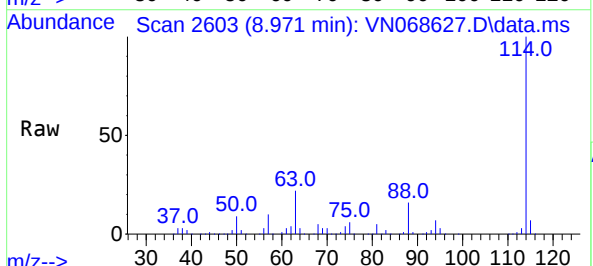
MMDadoda
9/24/2021 6:59:00 PM

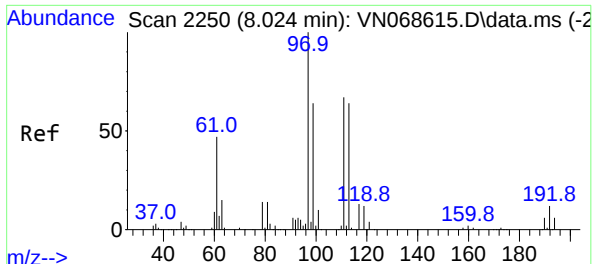


#34

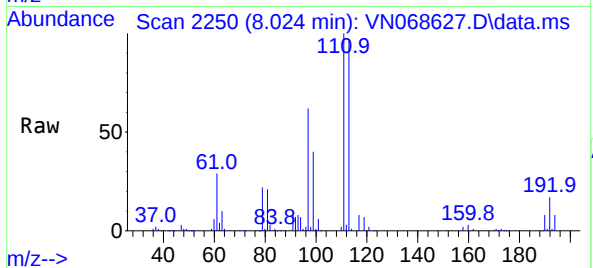
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 114 Resp: 911937
Ion Ratio Lower Upper
114 100
63 22.4 0.0 49.0
88 16.1 0.0 36.6

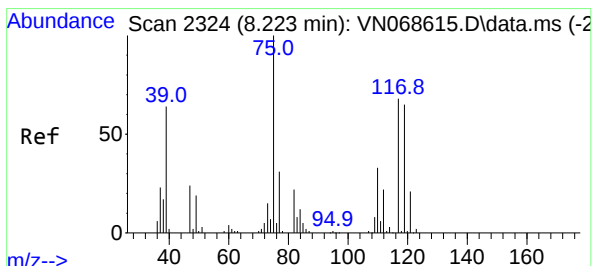
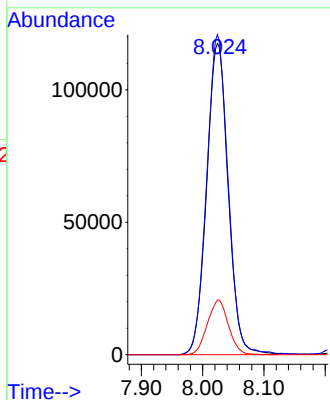
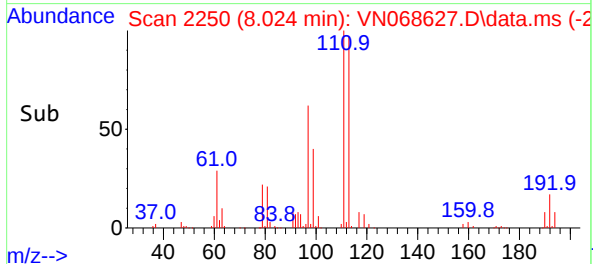




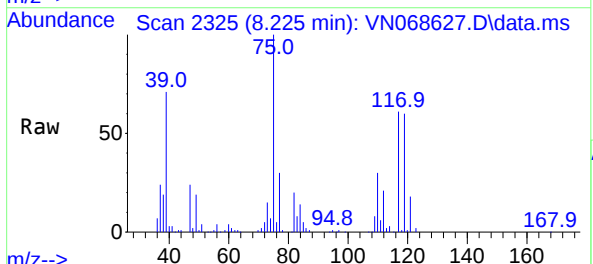
#35
Dibromofluoromethane
Concen: 46.862 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



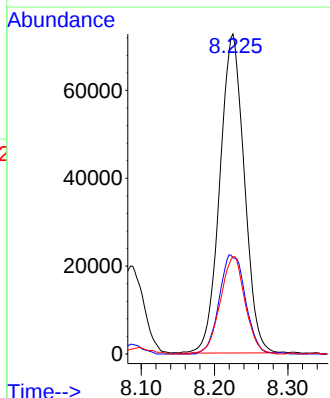
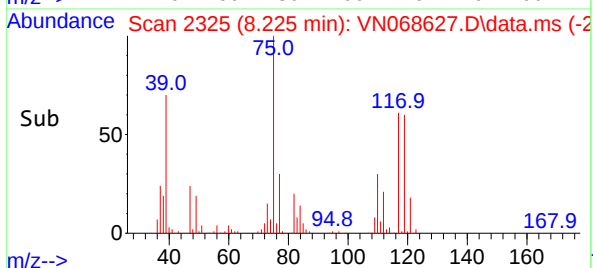
Tgt Ion: 113 Resp: 286417
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 17.2 13.4 20.0



#36
1,1-Dichloropropene
Concen: 18.256 ug/l
RT: 8.225 min Scan# 2325
Delta R.T. 0.002 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



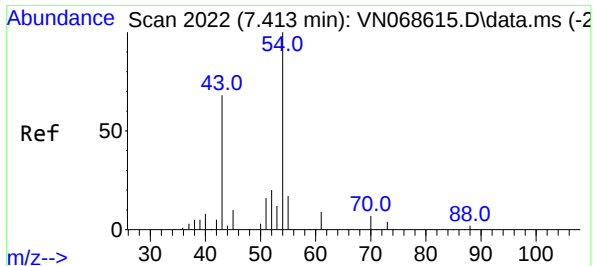
Tgt Ion: 75 Resp: 168148
Ion Ratio Lower Upper
75 100
110 33.3 15.7 47.0
77 31.0 24.6 37.0



Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Manual Integrations
APPROVED

MMDadoda
9/24/2021 6:59:00 PM



#37

Ethyl Acetate

Concen: 18.292 ug/l

RT: 7.412 min Scan# 2022

Delta R.T. -0.001 min

Lab File: VN068627.D

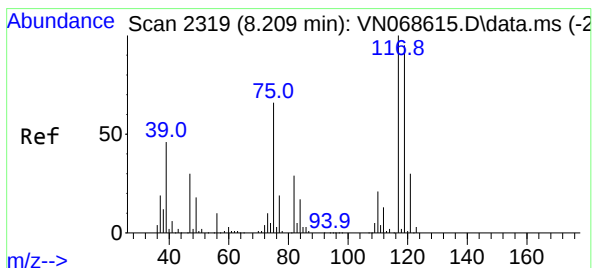
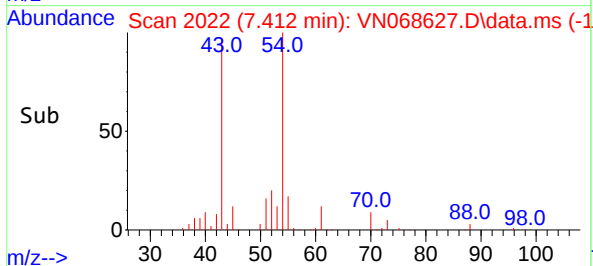
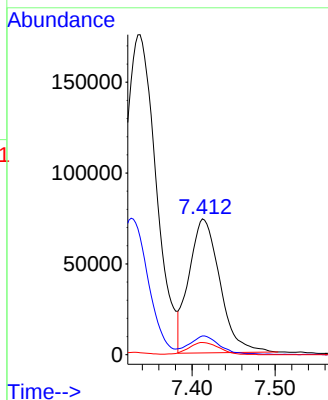
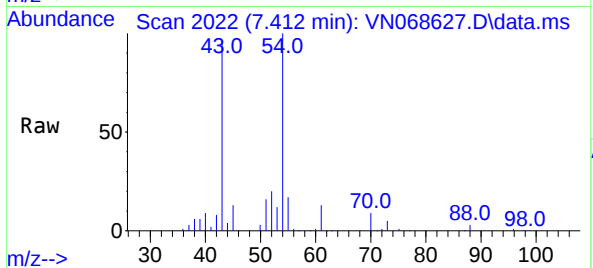
Acq: 23 Sep 2021 18:16

Tgt Ion:	43	Resp:	191276
Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.6	16.0
70	8.6	8.1	12.1

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Manual Integrations
APPROVED

MMDadoda
9/24/2021 6:59:00 PM



#38

Carbon Tetrachloride

Concen: 18.861 ug/l

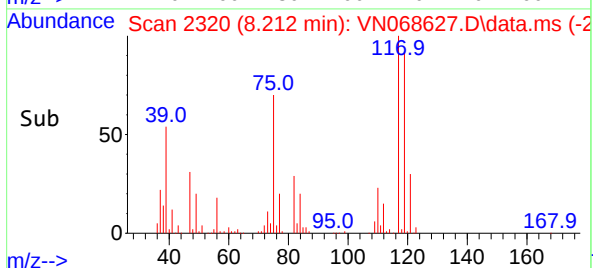
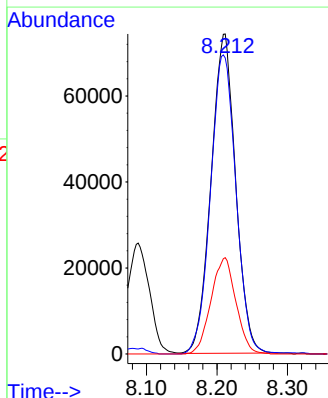
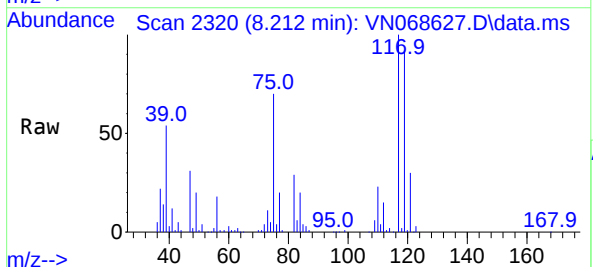
RT: 8.212 min Scan# 2320

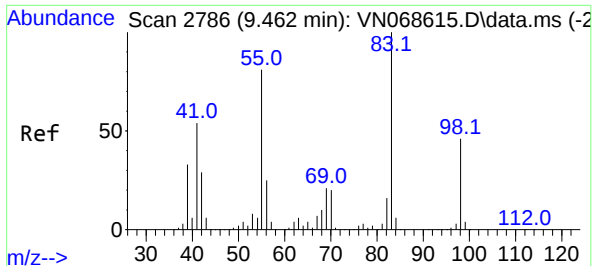
Delta R.T. 0.003 min

Lab File: VN068627.D

Acq: 23 Sep 2021 18:16

Tgt Ion:	117	Resp:	179426
Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.4	113.2
121	30.2	23.5	35.3





#39

Methylcyclohexane

Concen: 17.739 ug/l

RT: 9.461 min Scan# 2786

Delta R.T. -0.001 min

Lab File: VN068627.D

Acq: 23 Sep 2021 18:16

Tgt Ion:	83	Resp:	191389
Ion	Ratio	Lower	Upper
83	100		
55	82.6	66.6	99.8
98	46.7	35.3	52.9

Instrument :

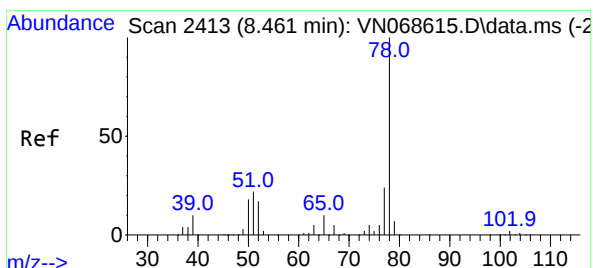
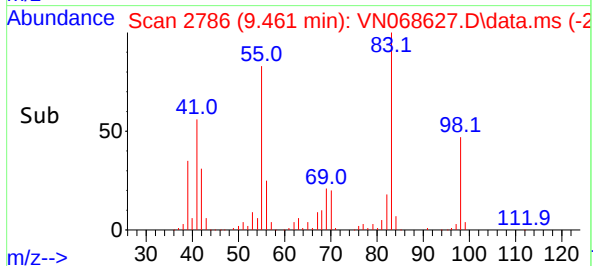
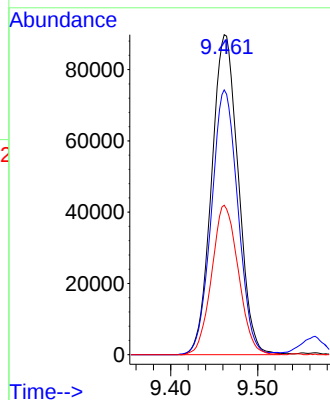
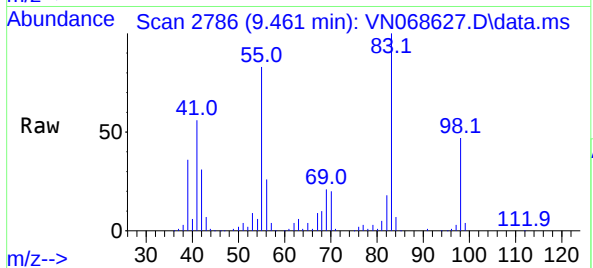
MSVOA_N

ClientSampled :

VN0923WBS01

Manual Integrations
APPROVED

MMDadoda
9/24/2021 6:59:00 PM



#40

Benzene

Concen: 18.669 ug/l

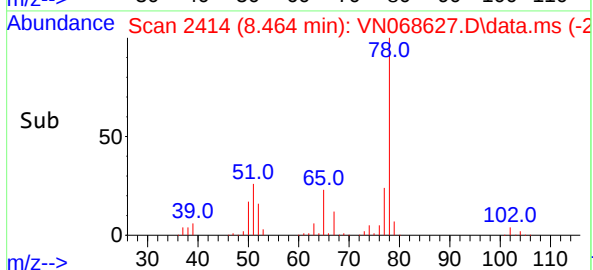
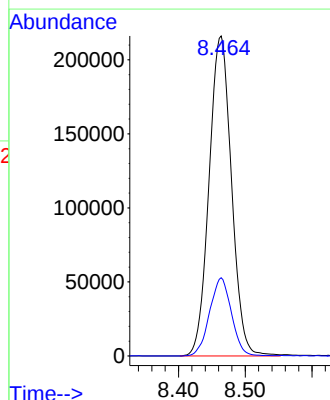
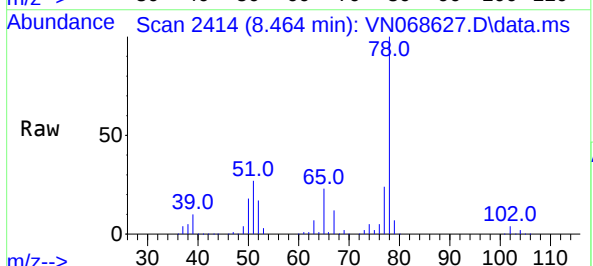
RT: 8.464 min Scan# 2414

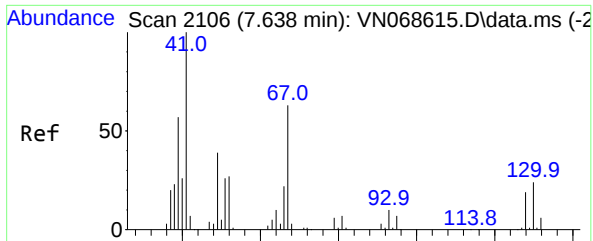
Delta R.T. 0.003 min

Lab File: VN068627.D

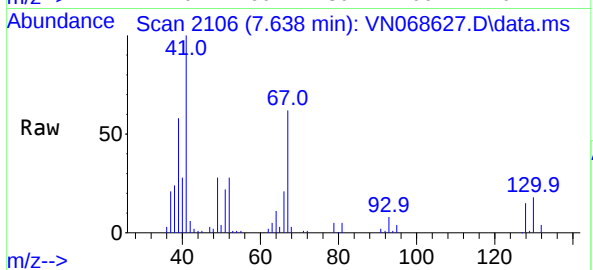
Acq: 23 Sep 2021 18:16

Tgt Ion:	78	Resp:	504613
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.9	28.3



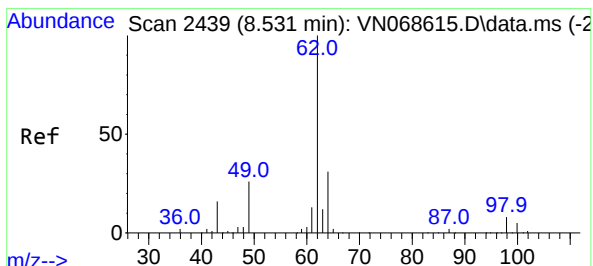
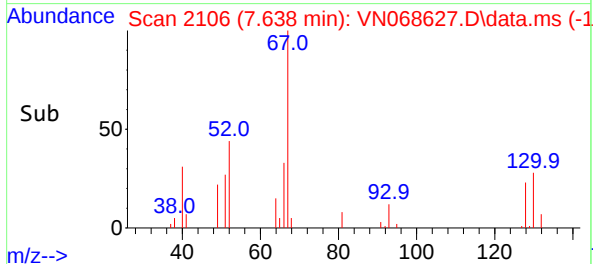
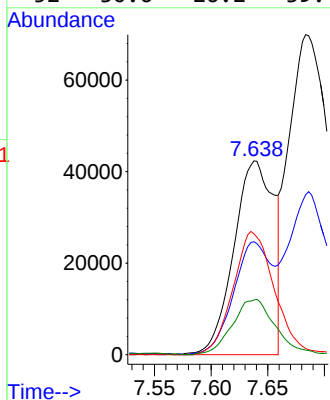


#41
Methacrylonitrile
Concen: 18.772 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

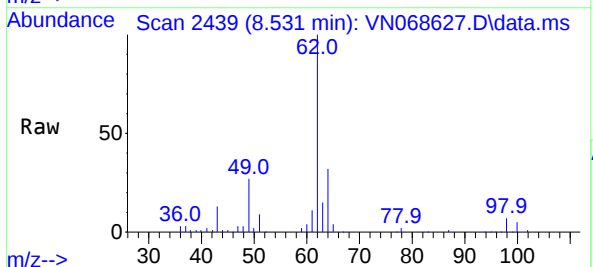


Tgt Ion: 41 Resp: 103816

Ion	Ratio	Lower	Upper
41	100		
39	54.9	47.6	71.4
67	66.0	57.7	86.5
52	30.6	26.2	39.4

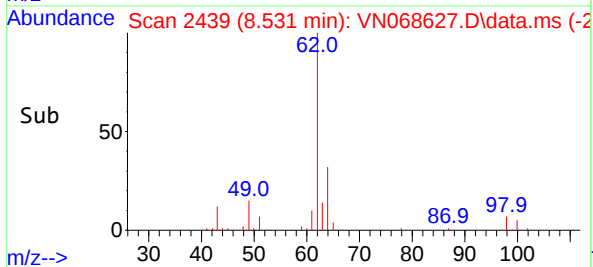
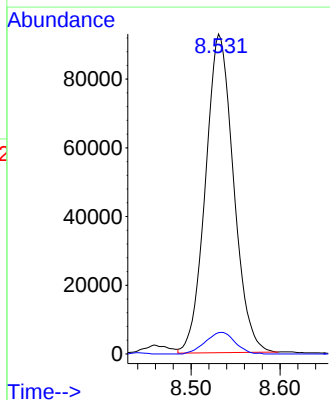


#42
1,2-Dichloroethane
Concen: 19.319 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



Tgt Ion: 62 Resp: 203195

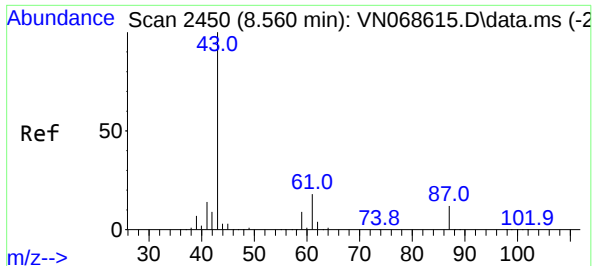
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	14.2



Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Manual Integrations
APPROVED

MMDadoda
9/24/2021 6:59:00 PM



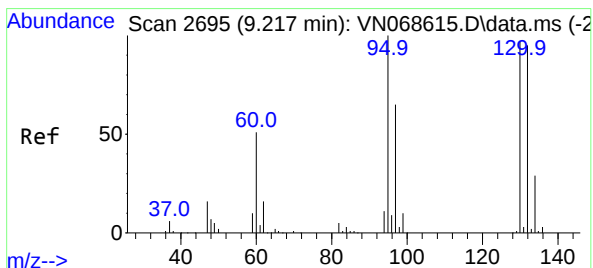
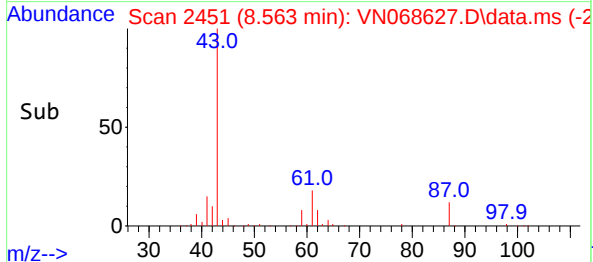
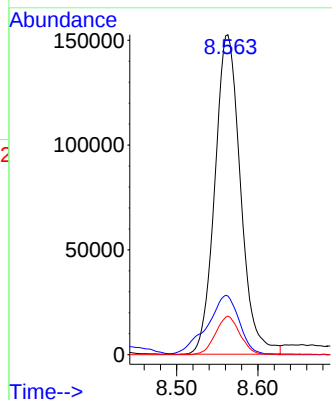
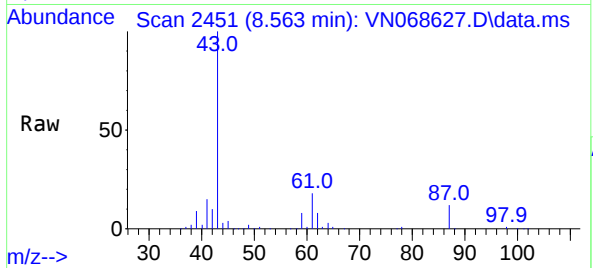
#43
Isopropyl Acetate
Concen: 18.711 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 43 Resp: 334700
Ion Ratio Lower Upper
43 100
61 22.9 19.0 28.4
87 11.5 9.5 14.3

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

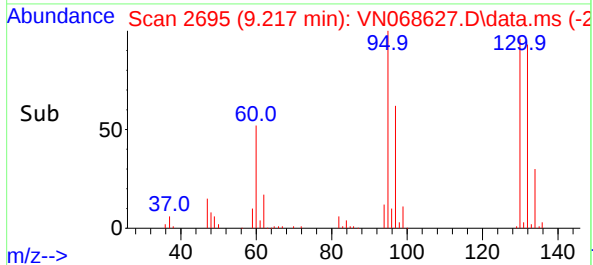
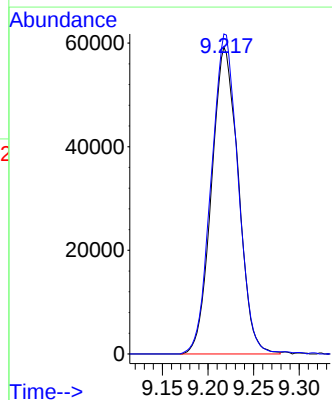
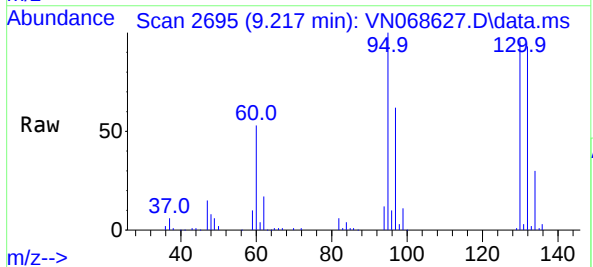
Manual Integrations
APPROVED

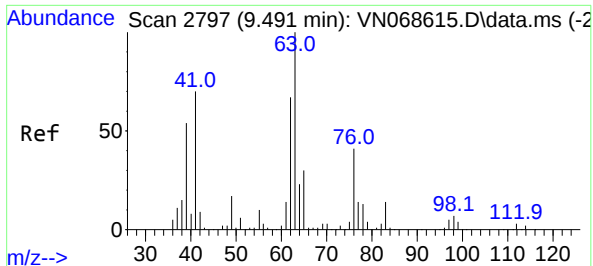
MMDadoda
9/24/2021 6:59:00 PM



#44
Trichloroethene
Concen: 18.571 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion:130 Resp: 120978
Ion Ratio Lower Upper
130 100
95 104.3 0.0 234.4





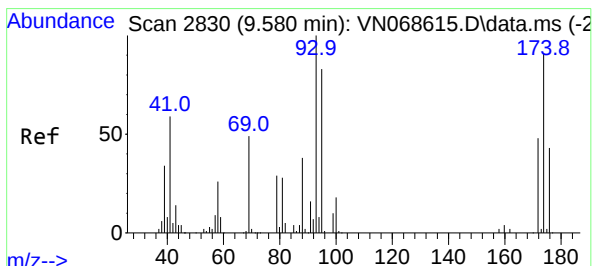
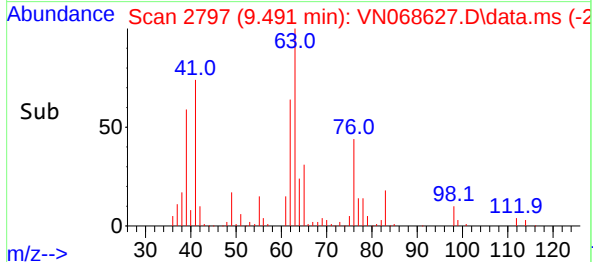
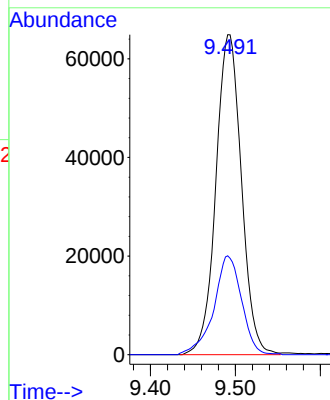
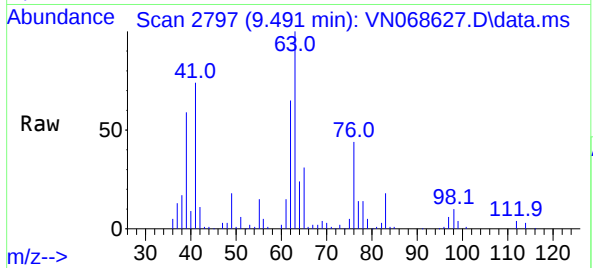
#45
1,2-Dichloropropane
Concen: 19.042 ug/l
RT: 9.491 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 63 Resp: 135517
Ion Ratio Lower Upper
63 100
65 30.6 24.3 36.5

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

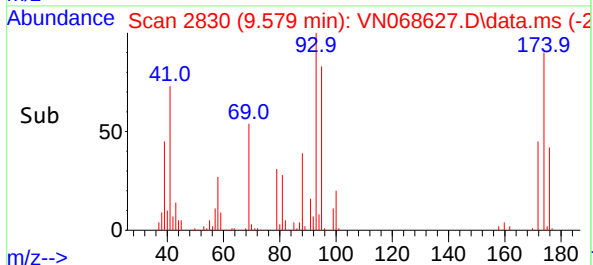
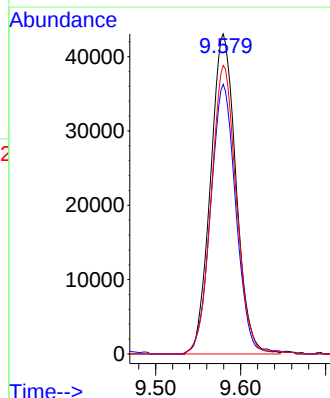
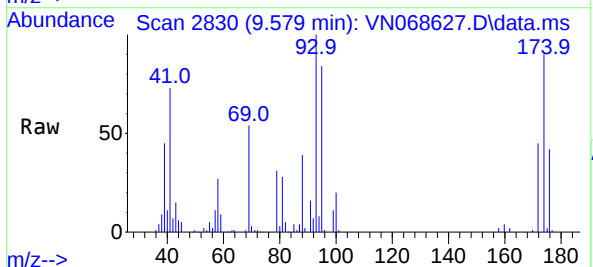
Manual Integrations
APPROVED

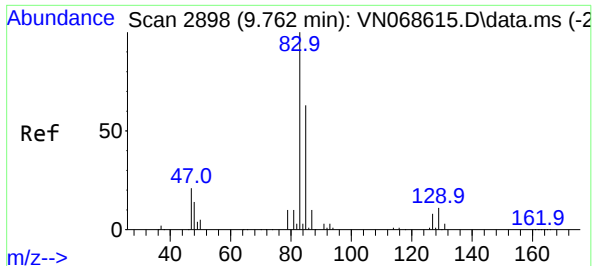
MMDadoda
9/24/2021 6:59:00 PM



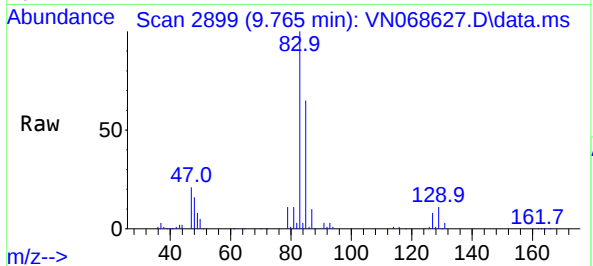
#46
Dibromomethane
Concen: 19.036 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. -0.001 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 93 Resp: 89569
Ion Ratio Lower Upper
93 100
95 83.0 66.1 99.1
174 88.7 61.0 91.4

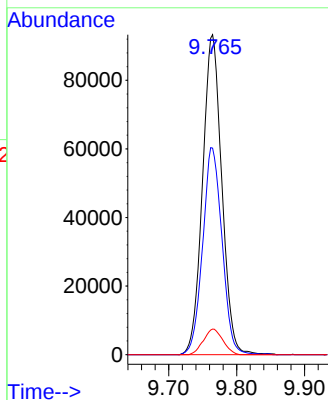
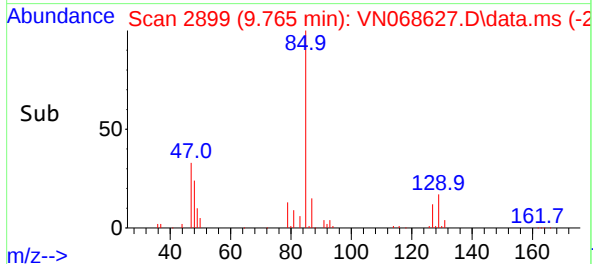




#47
Bromodichloromethane
Concen: 18.827 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. 0.002 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



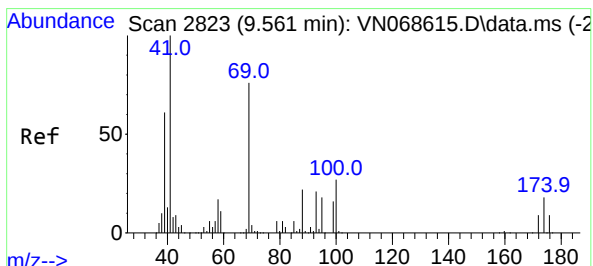
Tgt Ion: 83 Resp: 183698
Ion Ratio Lower Upper
83 100
85 64.6 49.9 74.9
127 8.0 6.1 9.1



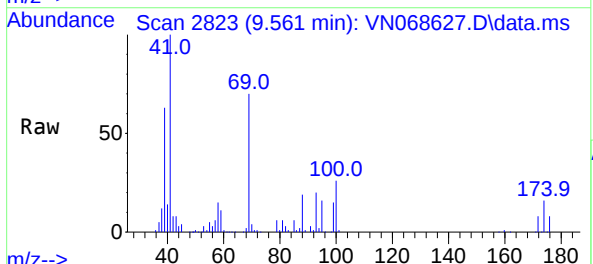
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Manual Integrations
APPROVED

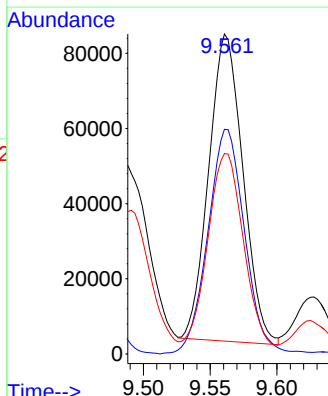
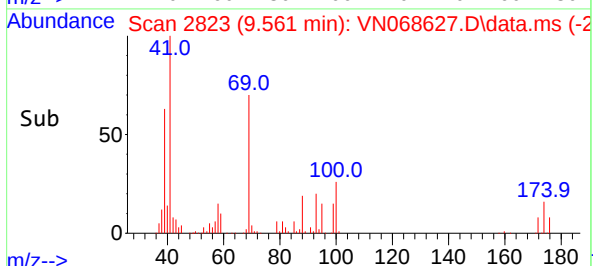
MMDadoda
9/24/2021 6:59:00 PM

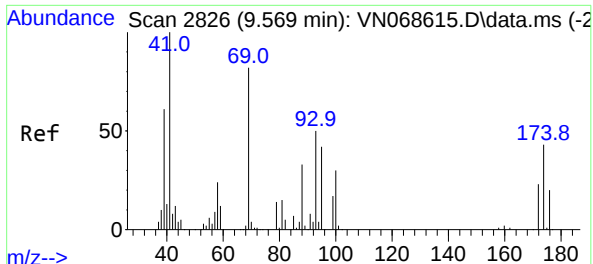


#48
Methyl methacrylate
Concen: 17.806 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



Tgt Ion: 41 Resp: 145471
Ion Ratio Lower Upper
41 100
69 78.9 64.6 96.8
39 69.9 53.3 79.9





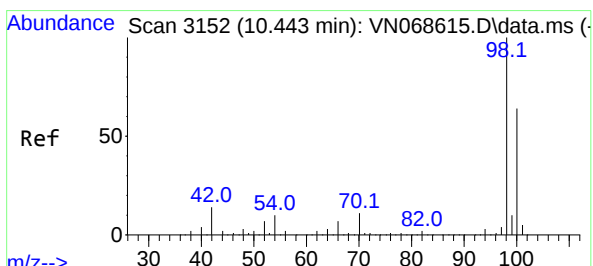
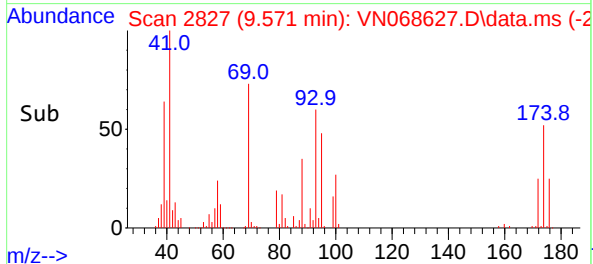
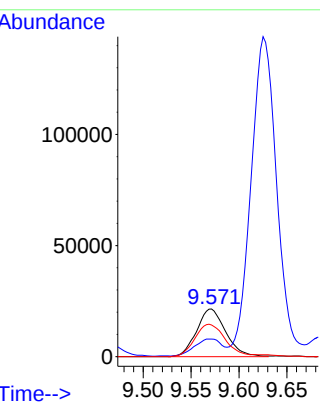
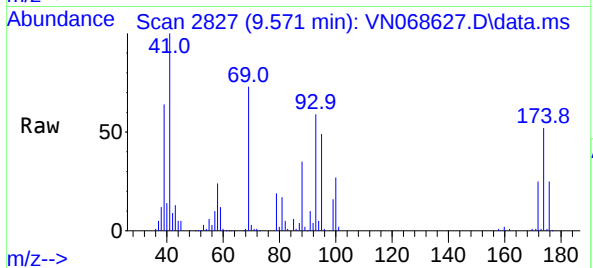
#49
1,4-Dioxane
Concen: 380.945 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.002 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 88 Resp: 45399
Ion Ratio Lower Upper
88 100
43 33.4 28.8 43.2
58 74.2 60.4 90.6

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

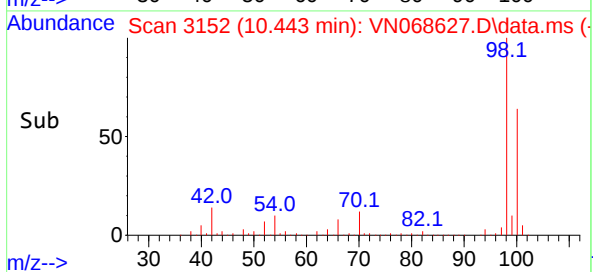
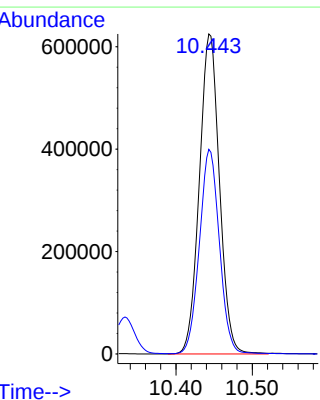
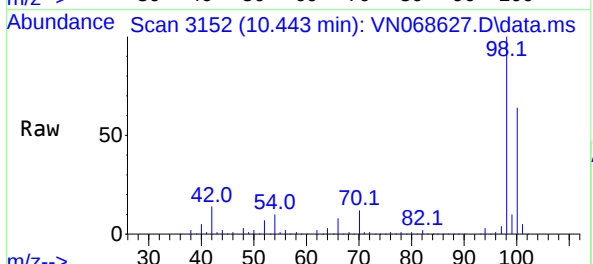
Manual Integrations
APPROVED

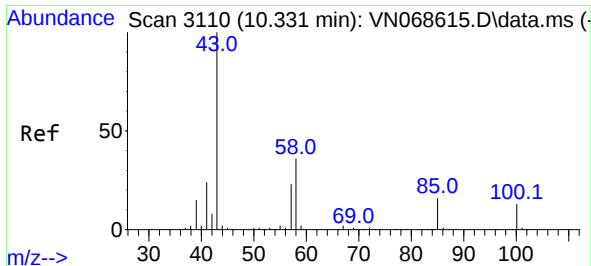
MMDadoda
9/24/2021 6:59:00 PM



#50
Toluene-d8
Concen: 44.192 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 98 Resp: 1142939
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5





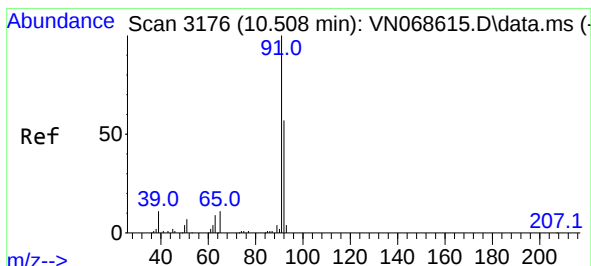
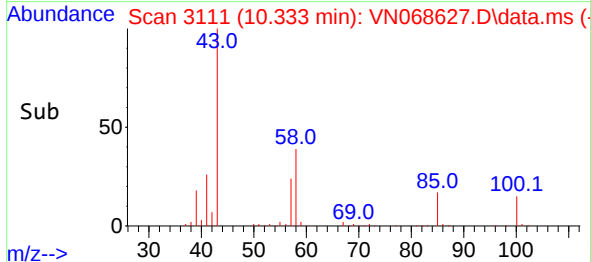
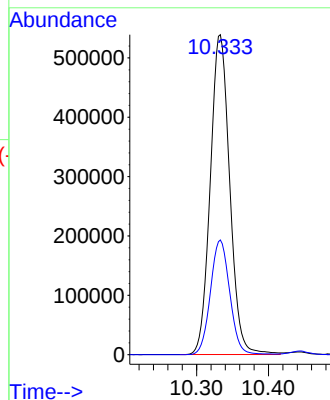
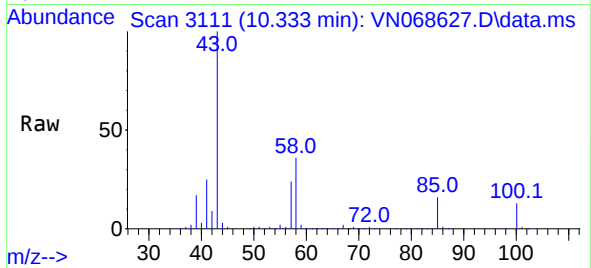
#51
4-Methyl-2-Pentanone
Concen: 93.709 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 43 Resp: 1013702
Ion Ratio Lower Upper
43 100
58 35.5 28.6 43.0

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

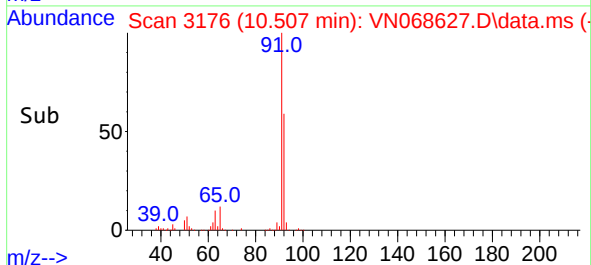
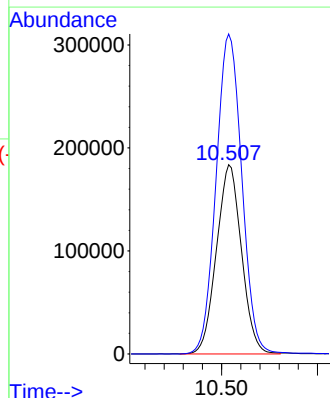
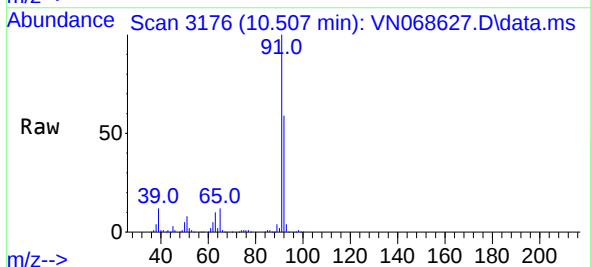
Manual Integrations
APPROVED

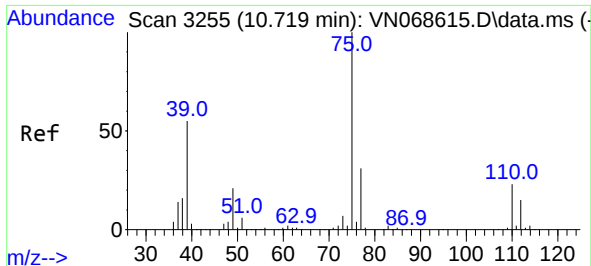
MMDadoda
9/24/2021 6:59:00 PM



#52
Toluene
Concen: 19.421 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.001 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 92 Resp: 332678
Ion Ratio Lower Upper
92 100
91 174.1 139.6 209.4





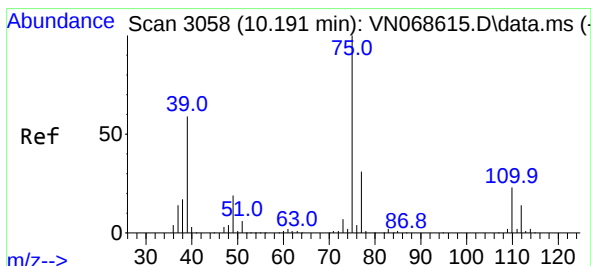
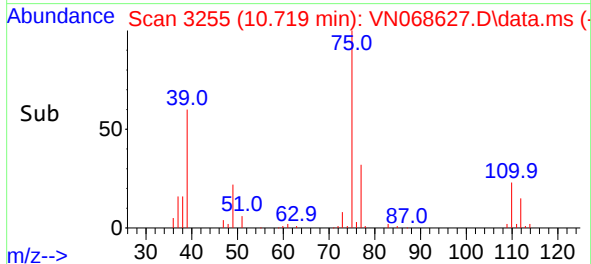
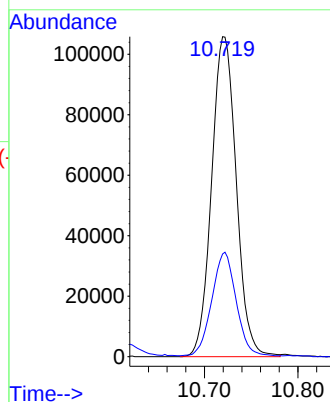
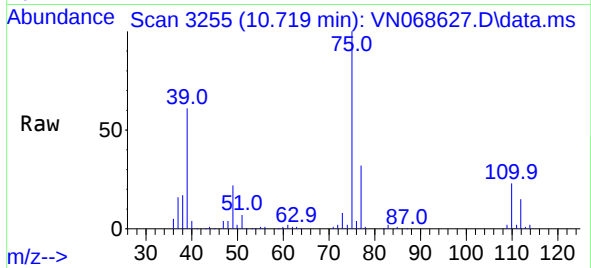
#53
t-1,3-Dichloropropene
Concen: 18.063 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 75 Resp: 194434
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

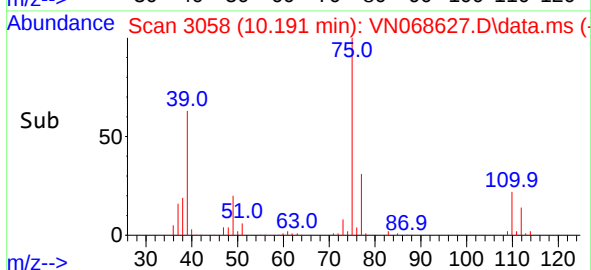
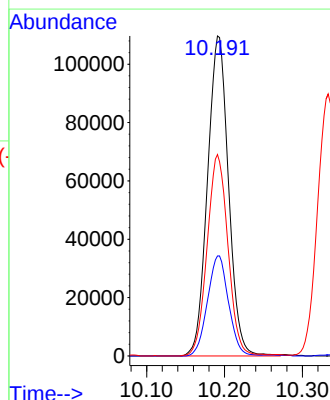
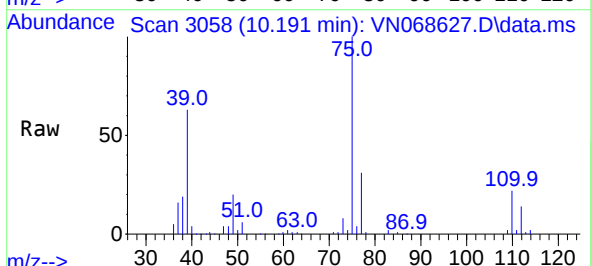
Manual Integrations
APPROVED

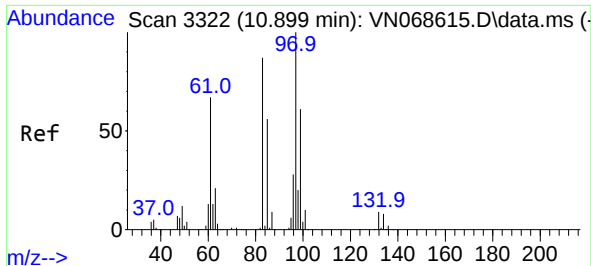
MMDadoda
9/24/2021 6:59:00 PM



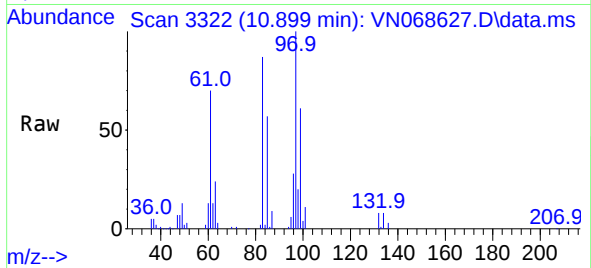
#54
cis-1,3-Dichloropropene
Concen: 18.277 ug/l
RT: 10.191 min Scan# 3058
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 75 Resp: 205535
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0
39 63.0 50.7 76.1

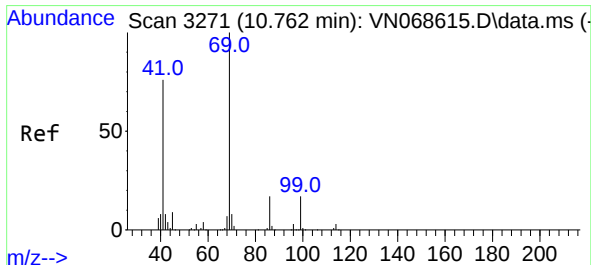
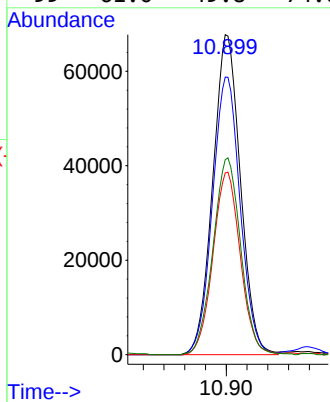
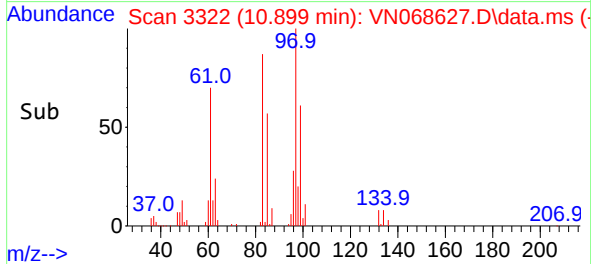




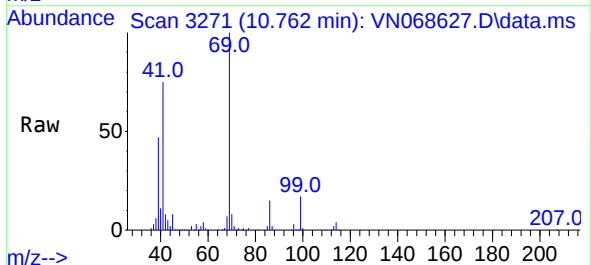
#55
1,1,2-Trichloroethane
Concen: 18.850 ug/l
RT: 10.899 min Scan# 3322
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



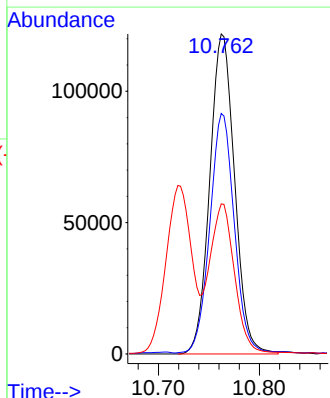
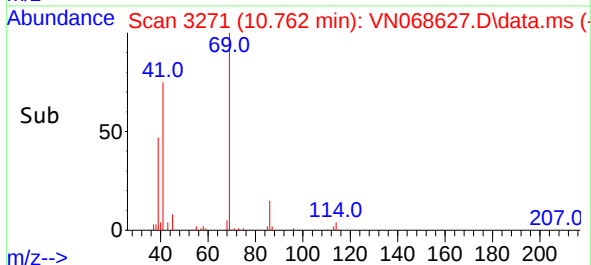
Tgt Ion:	97	Resp:	125172
Ion	Ratio	Lower	Upper
97	100		
83	86.8	72.0	108.0
85	56.8	46.8	70.2
99	61.0	49.8	74.6



#56
Ethyl methacrylate
Concen: 17.961 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



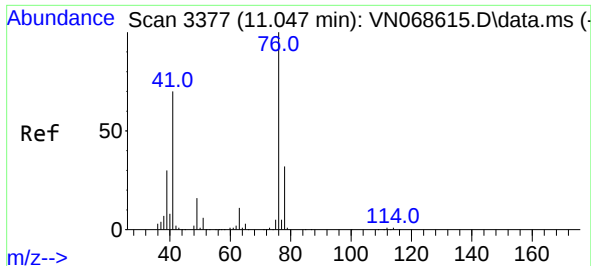
Tgt Ion:	69	Resp:	207875
Ion	Ratio	Lower	Upper
69	100		
41	73.8	58.6	88.0
39	45.8	38.3	57.5



Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Manual Integrations
APPROVED

MMDadoda
9/24/2021 6:59:00 PM



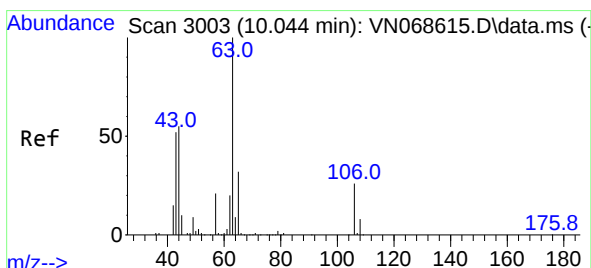
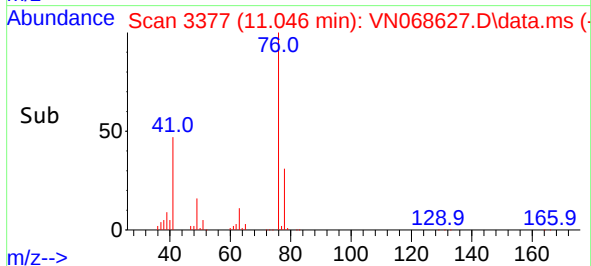
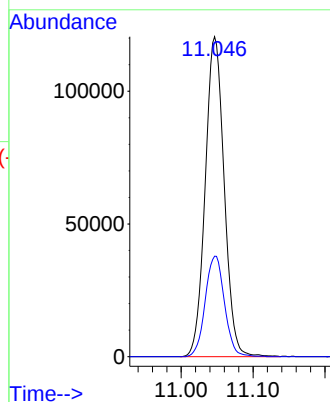
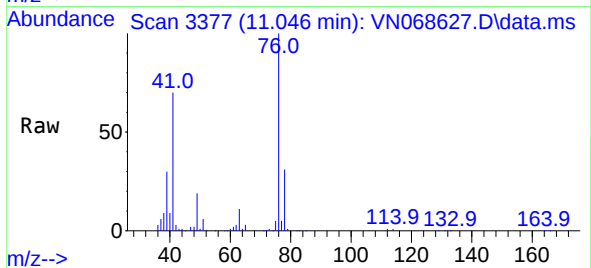
#57
1,3-Dichloropropane
Concen: 19.092 ug/l
RT: 11.046 min Scan# 3377
Delta R.T. -0.001 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 76 Resp: 221328
Ion Ratio Lower Upper
76 100
78 32.0 25.7 38.5

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

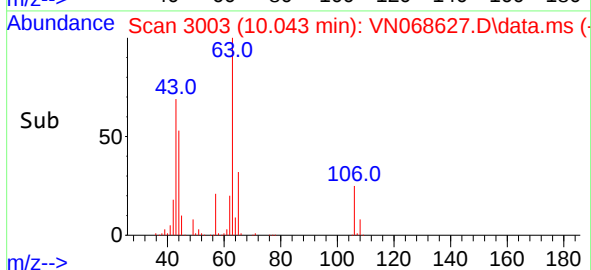
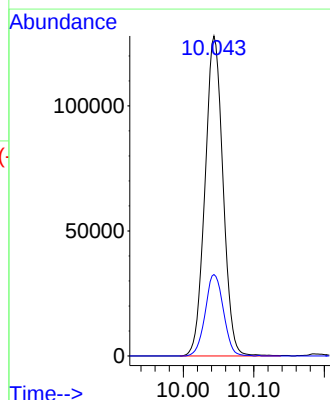
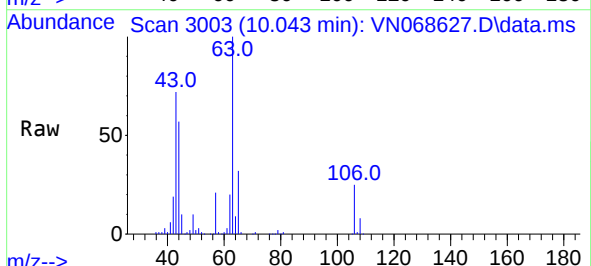
Manual Integrations
APPROVED

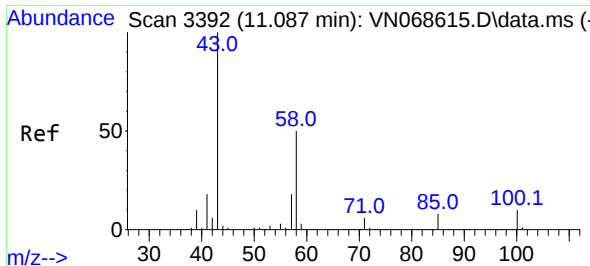
MMDadoda
9/24/2021 6:59:00 PM



#58
2-Chloroethyl Vinyl ether
Concen: 80.091 ug/l
RT: 10.043 min Scan# 3003
Delta R.T. -0.001 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 63 Resp: 226656
Ion Ratio Lower Upper
63 100
106 25.8 19.8 29.8





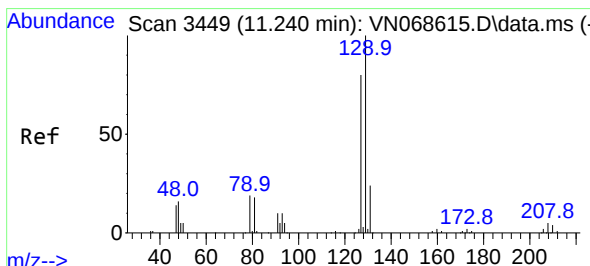
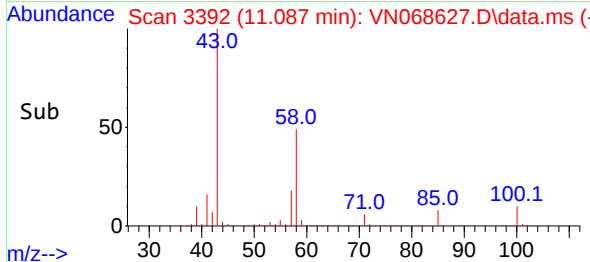
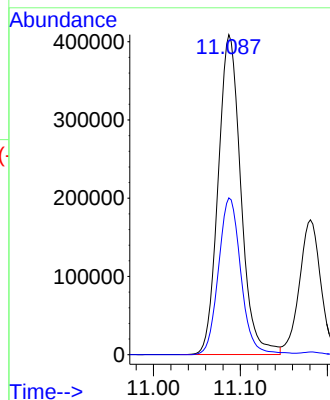
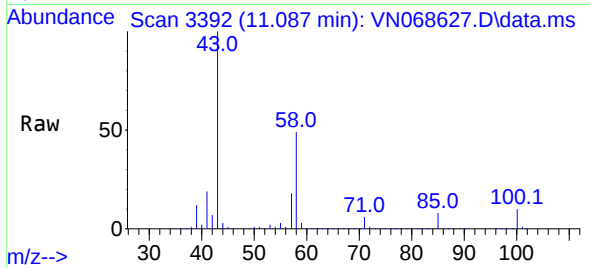
#59
2-Hexanone
Concen: 95.241 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 43 Resp: 740879
Ion Ratio Lower Upper
43 100
58 48.5 24.7 74.1

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

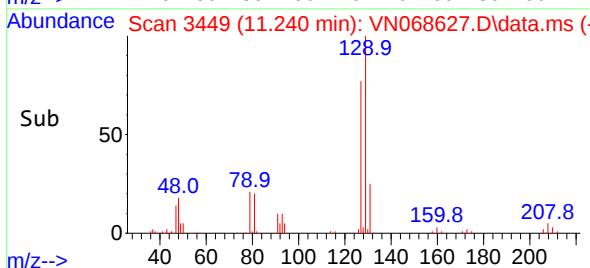
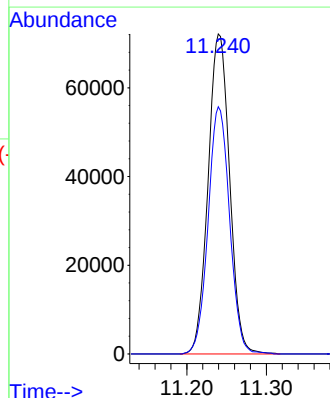
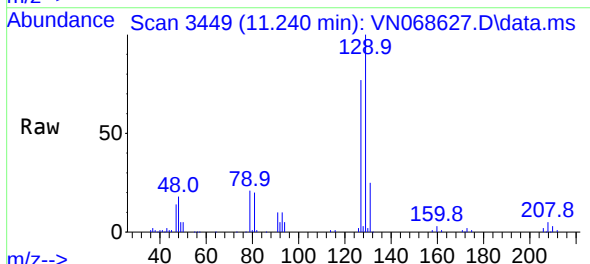
Manual Integrations
APPROVED

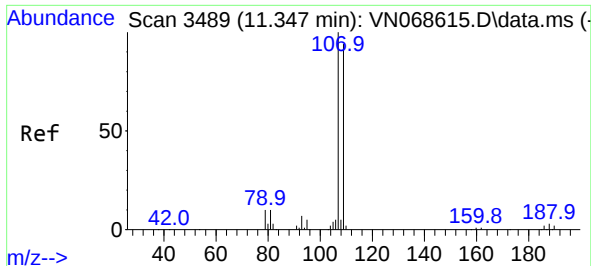
MMDadoda
9/24/2021 6:59:00 PM



#60
Dibromochloromethane
Concen: 18.876 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

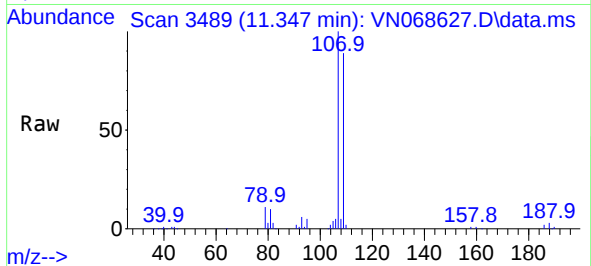
Tgt Ion:129 Resp: 135459
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61
1,2-Dibromoethane
Concen: 19.021 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

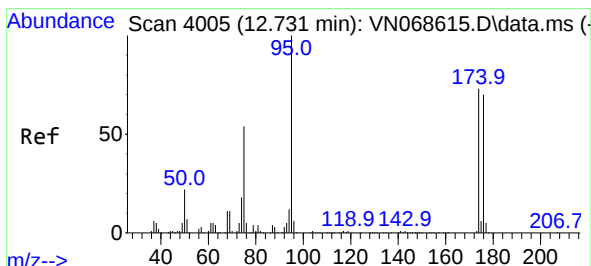
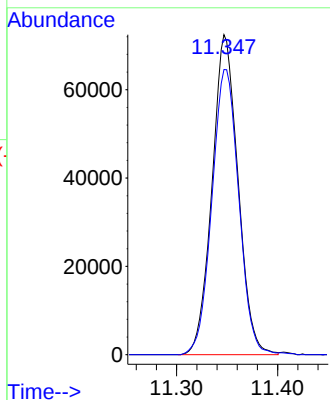
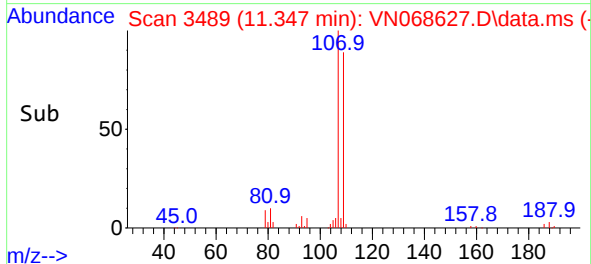
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01



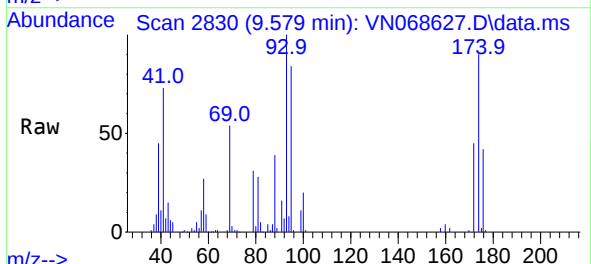
Tgt Ion:107 Resp: 129195
Ion Ratio Lower Upper
107 100
109 92.2 75.0 112.4

Manual Integrations
APPROVED

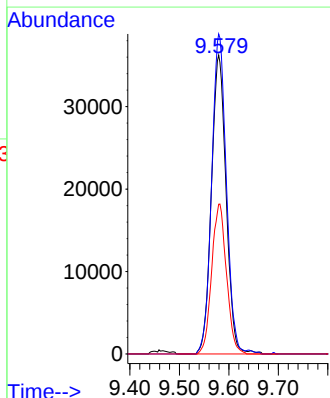
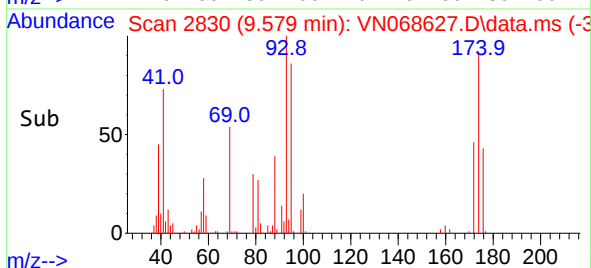
MMDadoda
9/24/2021 6:59:00 PM

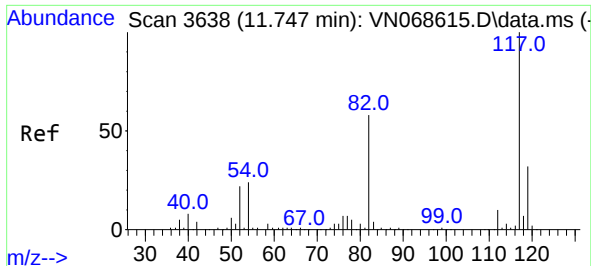


#62
4-Bromofluorobenzene
Concen: 8.453 ug/l m
RT: 9.579 min Scan# 2830
Delta R.T. -3.152 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



Tgt Ion: 95 Resp: 74766
Ion Ratio Lower Upper
95 100
174 0.0 0.0 122.0
176 0.0 0.0 117.6





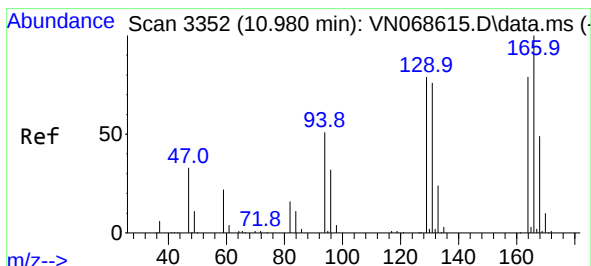
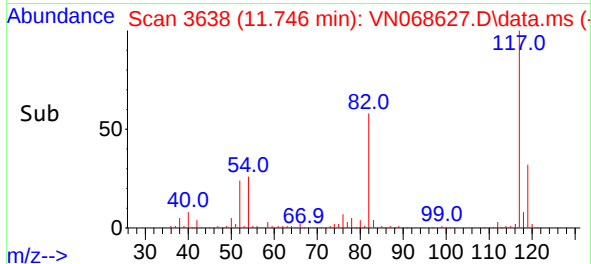
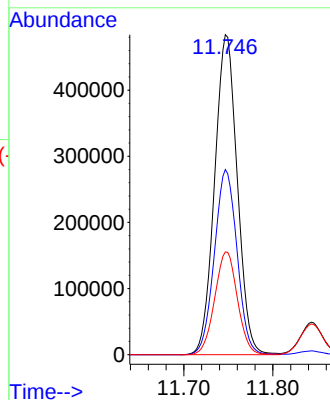
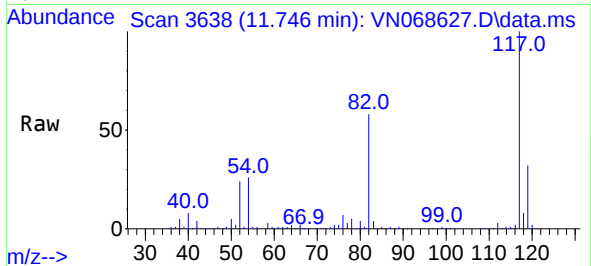
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion:117 Resp: 857368
Ion Ratio Lower Upper
117 100
82 57.8 53.1 79.7
119 32.1 25.5 38.3

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

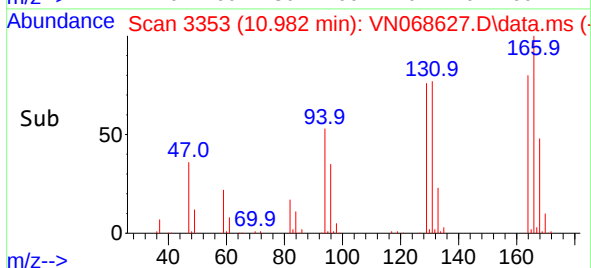
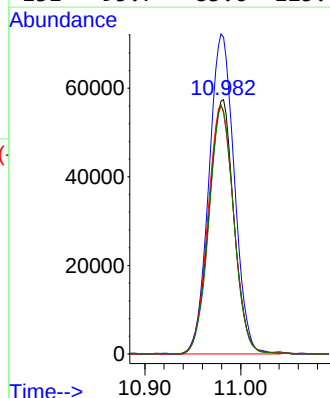
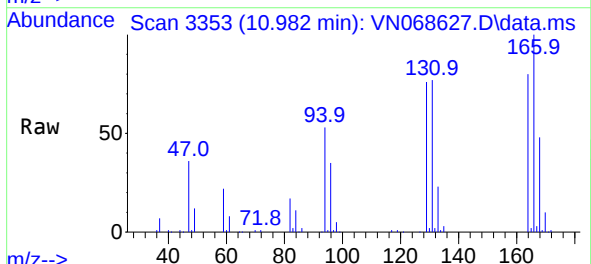
Manual Integrations
APPROVED

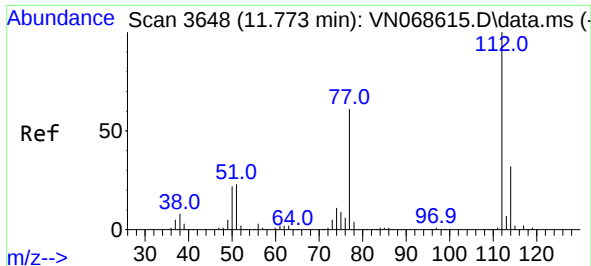
MMDadoda
9/24/2021 6:59:00 PM



#64
Tetrachloroethene
Concen: 18.547 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.002 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

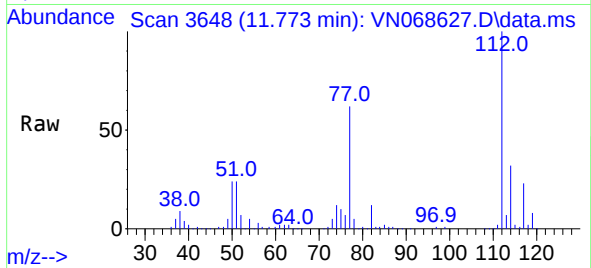
Tgt Ion:164 Resp: 104416
Ion Ratio Lower Upper
164 100
166 124.6 102.1 153.1
129 94.7 86.9 130.3
131 95.7 83.6 125.4





#65
Chlorobenzene
Concen: 18.801 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

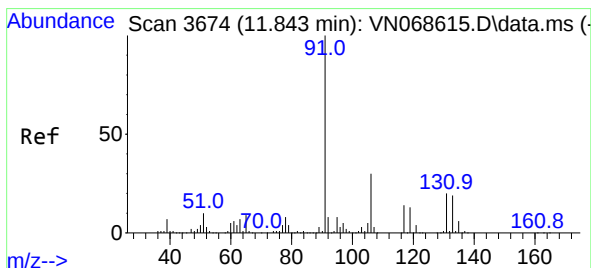
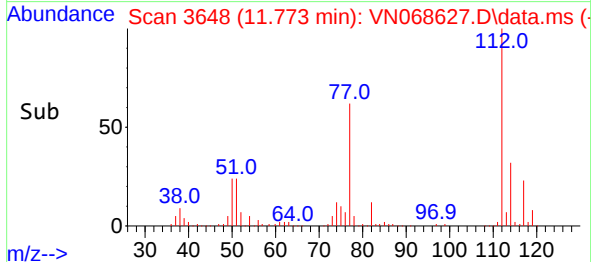
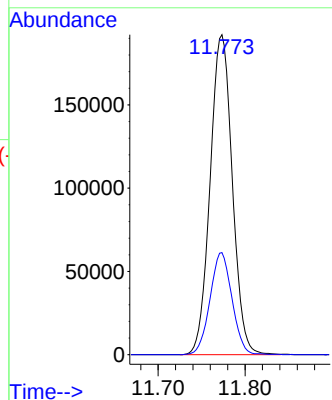
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01



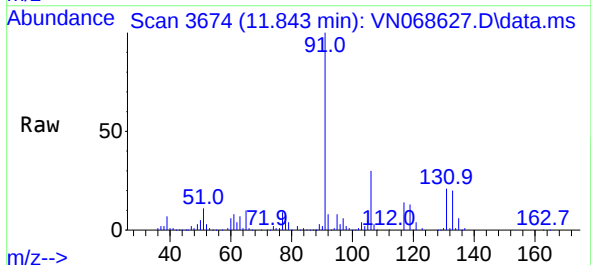
Tgt Ion:112 Resp: 340533
Ion Ratio Lower Upper
112 100
114 31.9 24.6 37.0

Manual Integrations
APPROVED

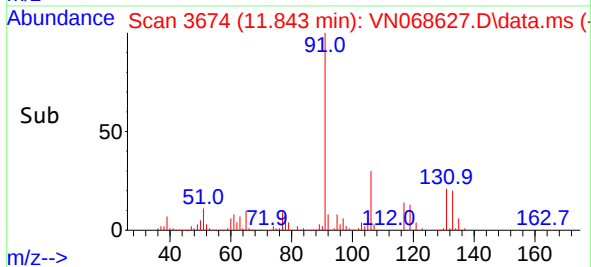
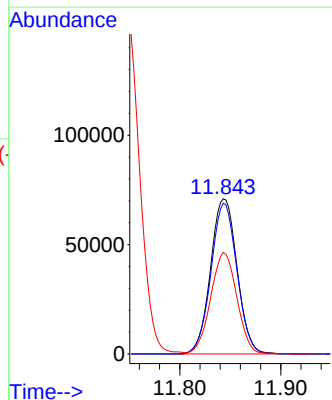
MMDadoda
9/24/2021 6:59:00 PM

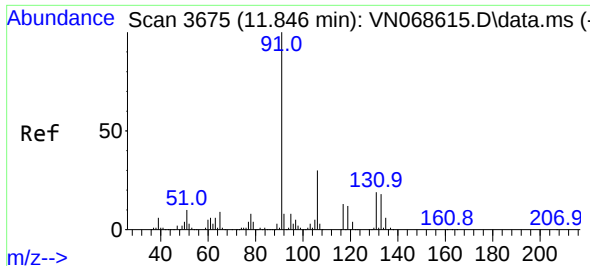


#66
1,1,1,2-Tetrachloroethane
Concen: 19.539 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16



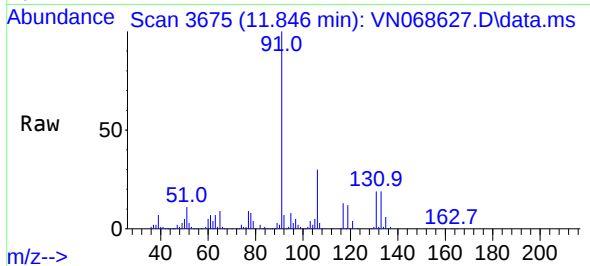
Tgt Ion:131 Resp: 129198
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.5
119 64.8 33.1 99.3





#67
Ethyl Benzene
Concen: 18.872 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

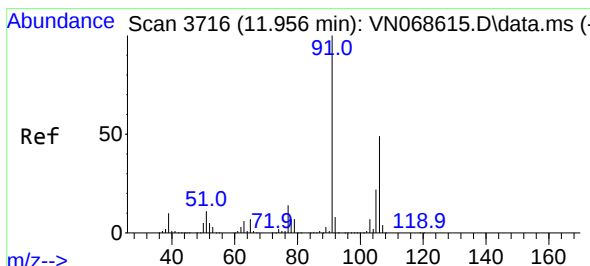
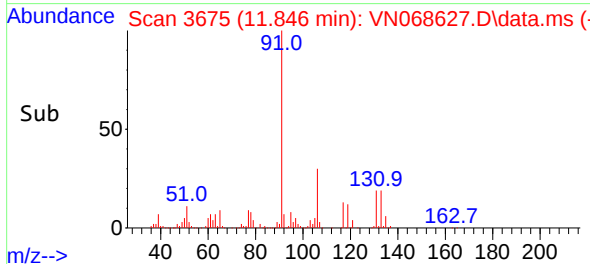
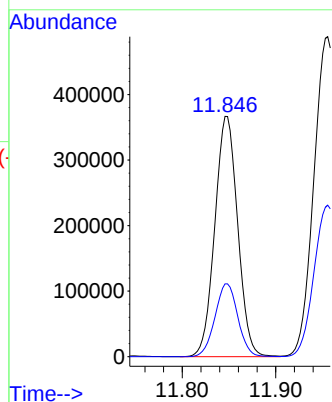
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01



Tgt Ion: 91 Resp: 622766
Ion Ratio Lower Upper
91 100
106 30.3 23.4 35.0

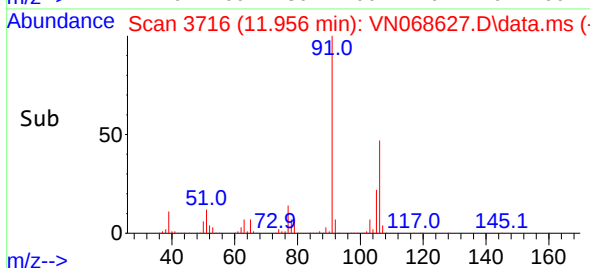
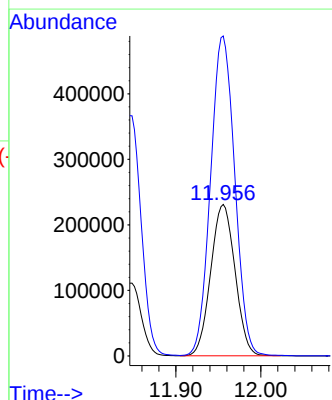
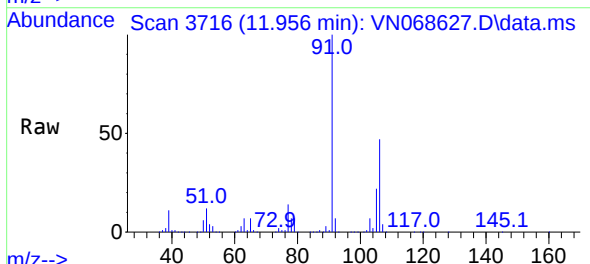
Manual Integrations
APPROVED

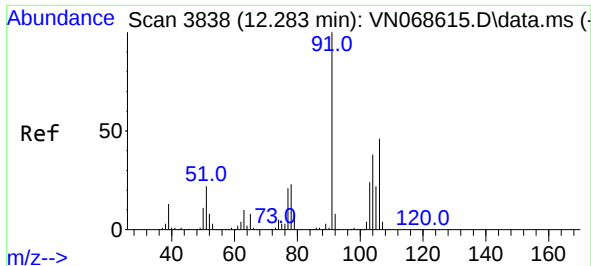
MMDadoda
9/24/2021 6:59:00 PM



#68
m/p-Xylenes
Concen: 37.881 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion: 106 Resp: 458828
Ion Ratio Lower Upper
106 100
91 210.0 180.6 270.8





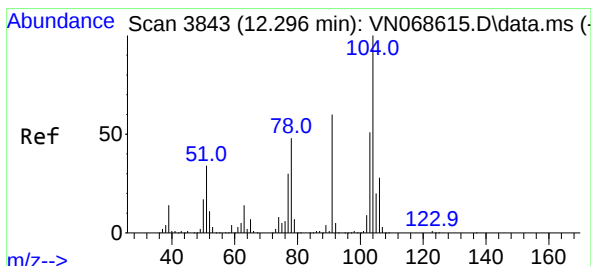
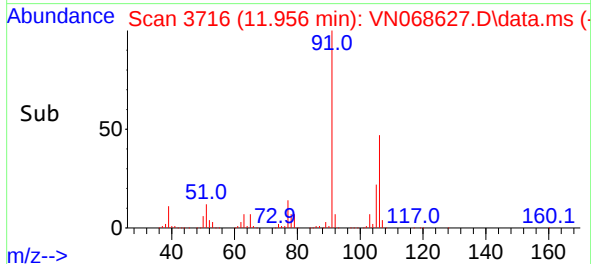
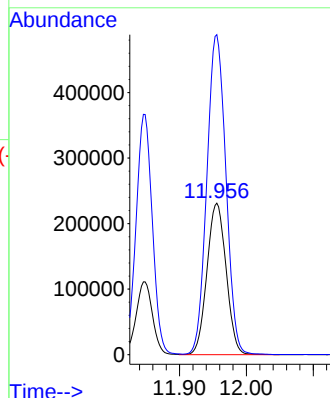
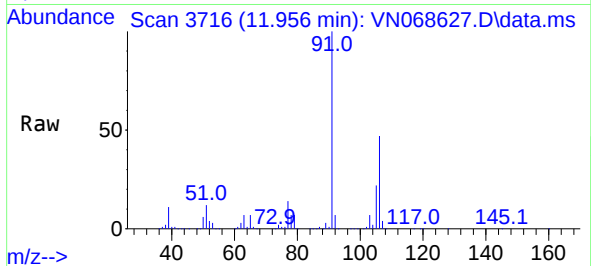
#69
o-Xylene
Concen: 38.717 ug/l m
RT: 11.956 min Scan# 3716
Delta R.T. -0.327 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion:106 Resp: 460698
Ion Ratio Lower Upper
106 100
91 0.0 118.3 354.9#

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

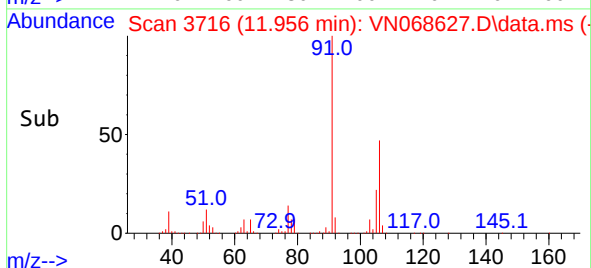
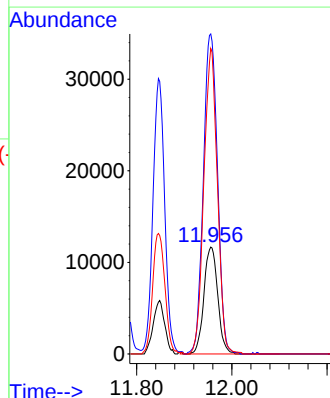
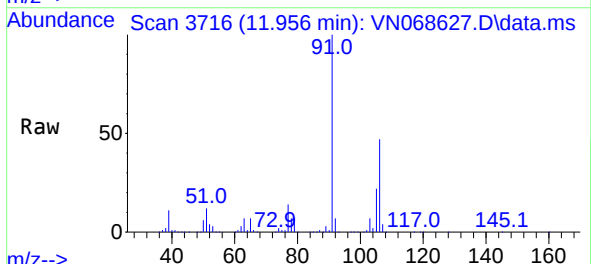
Manual Integrations
APPROVED

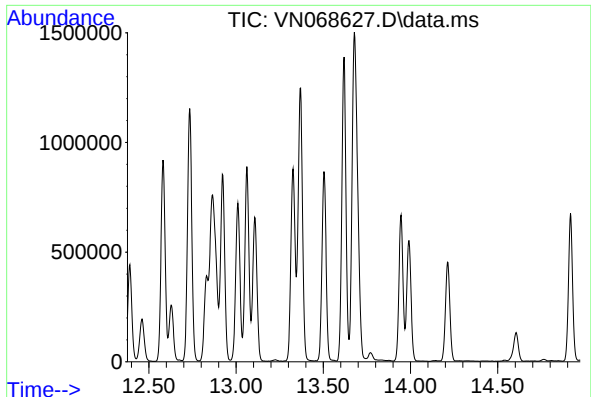
MMDadoda
9/24/2021 6:59:00 PM



#70
Styrene
Concen: 1.225 ug/l m
RT: 11.956 min Scan# 3716
Delta R.T. -0.340 min
Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion:104 Resp: 23448
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 0.0 44.5 66.7#





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.68 min

Lab File: VN068627.D
Acq: 23 Sep 2021 18:16

Tgt Ion	Sig	Exp Ratio
152	100	
115	72.3	
150	175.9	

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Manual Integrations
APPROVED

MMDadoda
9/24/2021 6:59:00 PM

