

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062601.D
 Acq On : 27 Jul 2020 16:19
 Operator : JC/MD
 Sample : VN0727WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 1:46:10 PM

Quant Time: Jul 28 06:47:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	152900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	244223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	227810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	108535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	117037	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.54	113	77813	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.06	98	304780	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.37	95	113353	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37436	20.526	ug/l	97
3) Chloromethane	2.04	50	38606	15.607	ug/l	96
4) Vinyl Chloride	2.16	62	36562	17.050	ug/l	100
5) Bromomethane	2.54	94	22510	23.700	ug/l	97
6) Chloroethane	2.67	64	21295	21.953	ug/l	99
7) Trichlorofluoromethane	2.98	101	60133	23.883	ug/l	100
8) Diethyl Ether	3.37	74	21691	18.423	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	32705	20.260	ug/l	98
10) Methyl Iodide	3.91	142	32950	15.966	ug/l	97
11) Tert butyl alcohol	4.73	59	31156	82.456	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	31700	19.363	ug/l	90
13) Acrolein	3.57	56	21376	60.852	ug/l	98
14) Allyl chloride	4.27	41	57831	16.330	ug/l	94
15) Acrylonitrile	4.93	53	84050	83.048	ug/l	97
16) Acetone	3.78	43	83774	93.726	ug/l	97
17) Carbon Disulfide	4.01	76	93438	17.370	ug/l	99
18) Methyl Acetate	4.28	43	37940	16.767	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	114920	19.071	ug/l	95
20) Methylene Chloride	4.50	84	37915	17.686	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	33727	18.561	ug/l	98
22) Diisopropyl ether	5.90	45	119163	16.928	ug/l	91
23) Vinyl Acetate	5.84	43	495401	85.890	ug/l	98
24) 1,1-Dichloroethane	5.79	63	69753	18.401	ug/l	98
25) 2-Butanone	6.78	43	113640	83.482	ug/l	95
26) 2,2-Dichloropropane	6.77	77	63090	20.275	ug/l	96
27) cis-1,2-Dichloroethene	6.77	96	37827	18.244	ug/l	98
28) Bromochloromethane	7.15	49	31616	16.948	ug/l	92
29) Tetrahydrofuran	7.16	42	73065	79.323	ug/l	93
30) Chloroform	7.33	83	68910	19.120	ug/l	99
31) Cyclohexane	7.61	56	61059	17.446	ug/l #	92
32) 1,1,1-Trichloroethane	7.53	97	62230	20.681	ug/l	99
36) 1,1-Dichloropropene	7.75	75	52336	20.105	ug/l	99
37) Ethyl Acetate	6.88	43	49858	17.768	ug/l	98
38) Carbon Tetrachloride	7.73	117	55205	22.063	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062601.D
 Acq On : 27 Jul 2020 16:19
 Operator : JC/MD
 Sample : VN0727WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 1:46:10 PM

Quant Time: Jul 28 06:47:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	55594	19.839	ug/l	97
40) Benzene	8.00	78	147510	18.717	ug/l	98
41) Methacrylonitrile	7.12	41	20534	17.074	ug/l	97
42) 1,2-Dichloroethane	8.08	62	61133	21.218	ug/l	98
43) Isopropyl Acetate	8.12	43	81685	18.058	ug/l	98
44) Trichloroethene	8.80	130	35167	19.787	ug/l	95
45) 1,2-Dichloropropane	9.08	63	38985	17.618	ug/l	98
46) Dibromomethane	9.18	93	24805	19.396	ug/l	98
47) Bromodichloromethane	9.37	83	55980	20.204	ug/l	98
48) Methyl methacrylate	9.16	41	38796	18.042	ug/l	98
49) 1,4-Dioxane	9.16	88	11092	335.847	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	241895	89.371	ug/l	99
52) Toluene	10.12	92	88767	19.397	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	61987	20.097	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	64484	19.484	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	35554	20.030	ug/l	97
56) Ethyl methacrylate	10.40	69	53449	17.945	ug/l	97
57) 1,3-Dichloropropane	10.68	76	61913	19.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	75660	90.196	ug/l	96
59) 2-Hexanone	10.72	43	172437	84.362	ug/l	100
60) Dibromochloromethane	10.87	129	40235	20.318	ug/l	96
61) 1,2-Dibromoethane	10.98	107	36069	19.514	ug/l	100
64) Tetrachloroethene	10.60	164	30855	20.846	ug/l	97
65) Chlorobenzene	11.40	112	93908	19.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	36311	20.210	ug/l	98
67) Ethyl Benzene	11.48	91	173901	19.859	ug/l	100
68) m/p-Xylenes	11.59	106	127938	40.649	ug/l	99
69) o-Xylene	11.92	106	59448	19.891	ug/l	98
70) Styrene	11.94	104	102518	20.306	ug/l	99
71) Bromoform	12.10	173	27915	20.693	ug/l #	96
73) Isopropylbenzene	12.22	105	166175	19.363	ug/l	98
74) N-amyl acetate	12.04	43	65045	16.972	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	49556	16.617	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	48526m	17.565	ug/l	
77) Bromobenzene	12.50	156	39085	18.951	ug/l	91
78) n-propylbenzene	12.56	91	192963	19.195	ug/l	99
79) 2-Chlorotoluene	12.65	91	117313	18.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	143580	20.169	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	18143	18.282	ug/l	96
82) 4-Chlorotoluene	12.75	91	121169	18.790	ug/l	100
83) tert-Butylbenzene	12.97	119	116129	19.646	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	140086	20.060	ug/l	97
85) sec-Butylbenzene	13.15	105	159479	20.152	ug/l	100
86) p-Isopropyltoluene	13.26	119	141720	20.821	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	67705	18.707	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	67921	19.064	ug/l	96
89) n-Butylbenzene	13.59	91	114459	19.571	ug/l	100
90) Hexachloroethane	13.85	117	27337	18.867	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	66198	19.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10587	19.553	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
Data File : VN062601.D
Acq On : 27 Jul 2020 16:19
Operator : JC/MD
Sample : VN0727WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

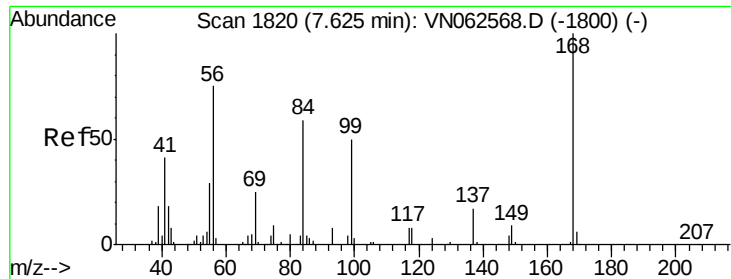
Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM

Quant Time: Jul 28 06:47:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	31221	19.197	ug/l	98
94) Hexachlorobutadiene	14.98	225	22469	23.772	ug/l	97
95) Naphthalene	15.10	128	77122	18.538	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	32321	19.818	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:168 Resp: 152900

Ion Ratio Lower Upper

168 100

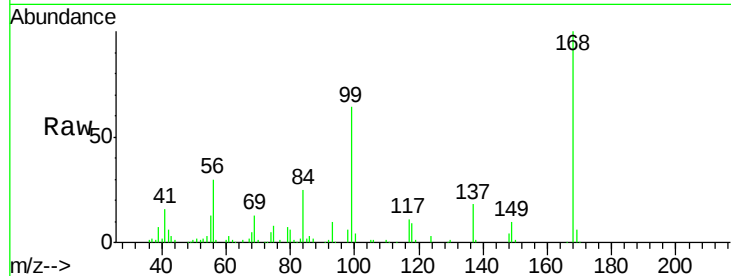
99 64.0 48.4 72.6

Manual Integrations

APPROVED

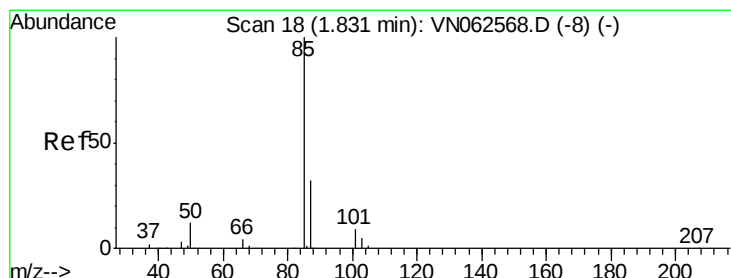
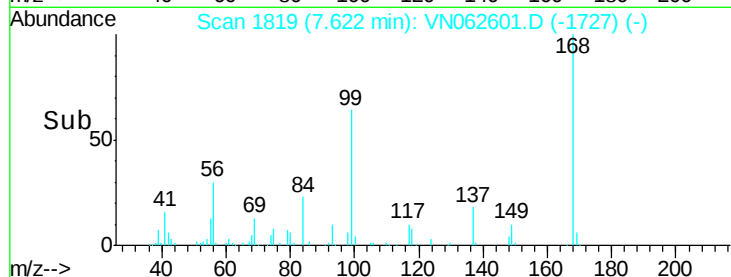
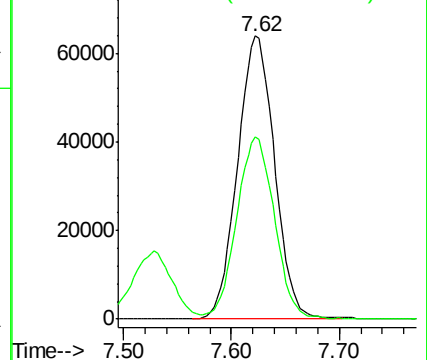
MMDadoda

7/28/2020 1:46:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.526 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062601.D

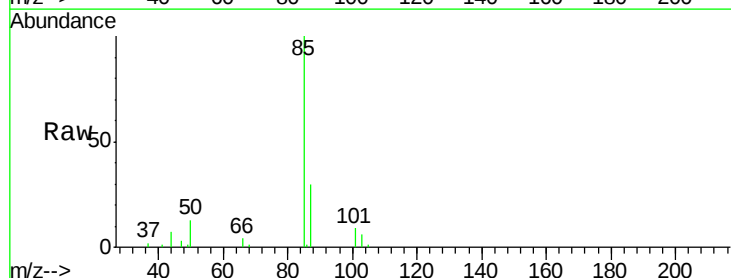
Acq: 27 Jul 2020 16:19

Tgt Ion: 85 Resp: 37436

Ion Ratio Lower Upper

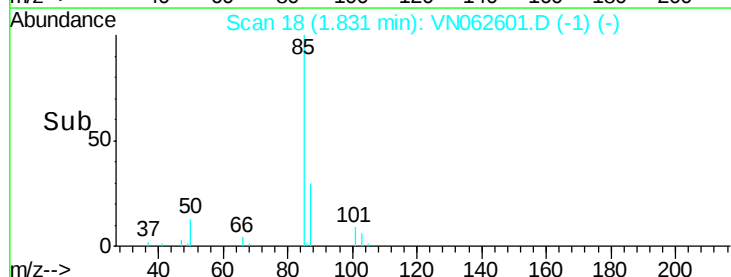
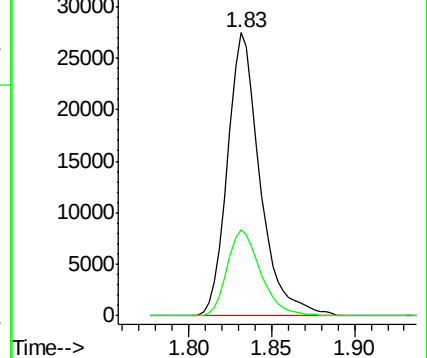
85 100

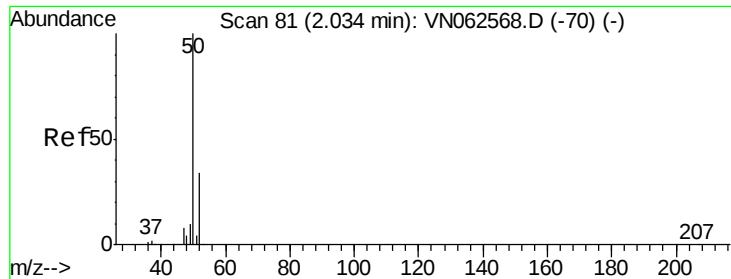
87 30.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 15.607 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 50 Resp: 38606

Ion Ratio Lower Upper

50 100

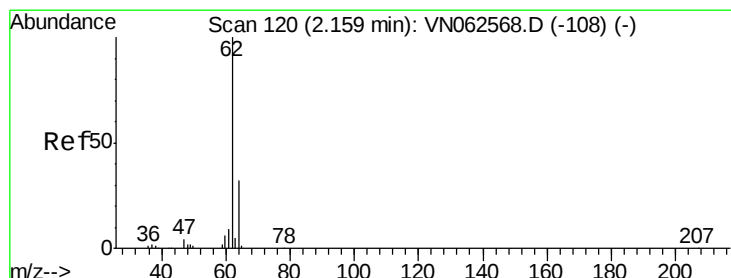
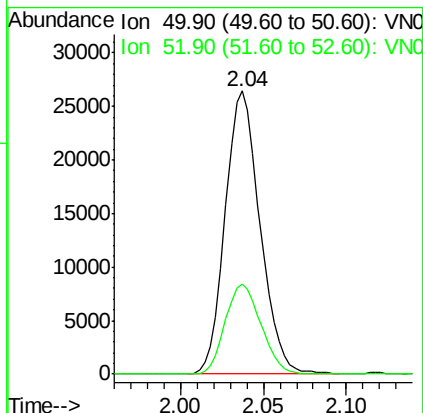
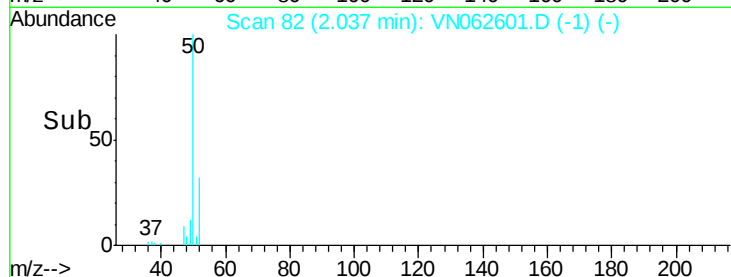
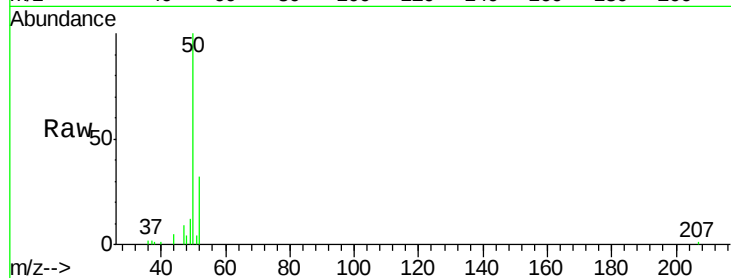
52 31.6 27.0 40.4

Manual Integrations

APPROVED

MMDadoda

7/28/2020 1:46:10 PM



#4

Vinyl Chloride

Concen: 17.050 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062601.D

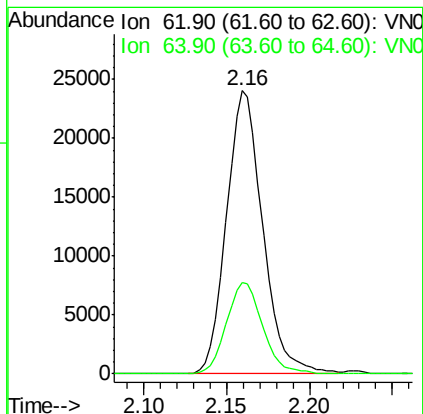
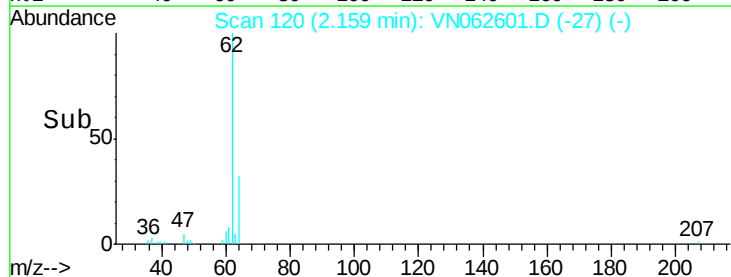
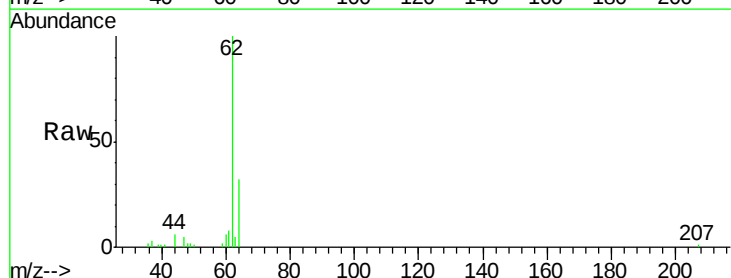
Acq: 27 Jul 2020 16:19

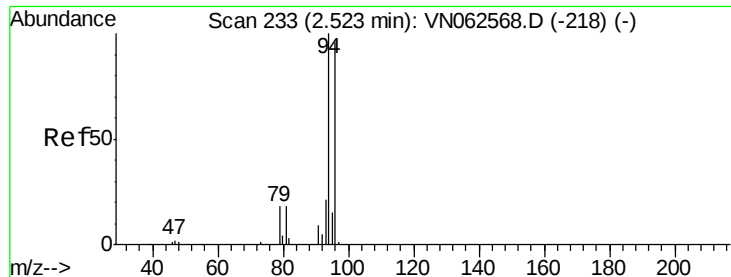
Tgt Ion: 62 Resp: 36562

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 23.700 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.02 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 94 Resp: 22510

Ion Ratio Lower Upper

94 100

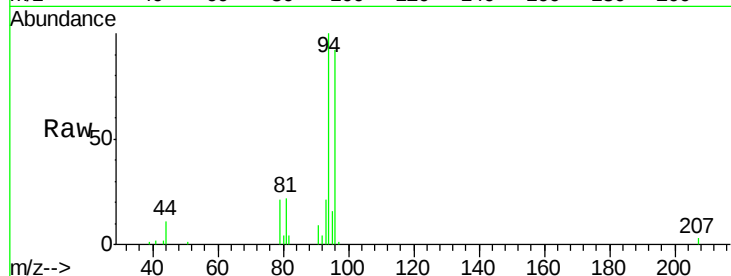
96 92.3 76.6 114.8

Manual Integrations

APPROVED

MMDadoda

7/28/2020 1:46:10 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

12000

10000

8000

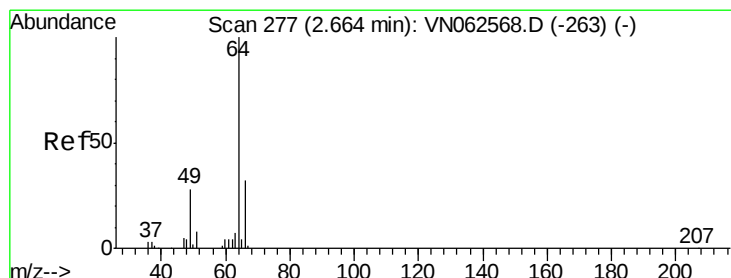
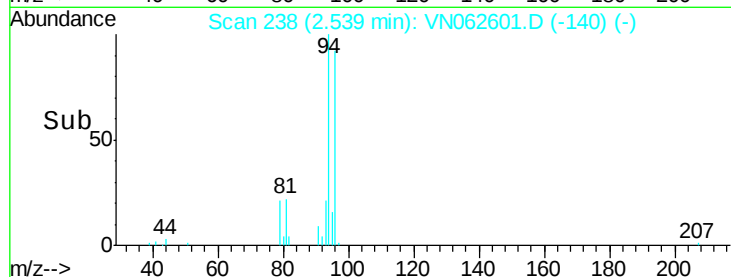
6000

4000

2000

0

Time--> 2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 21.953 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.01 min

Lab File: VN062601.D

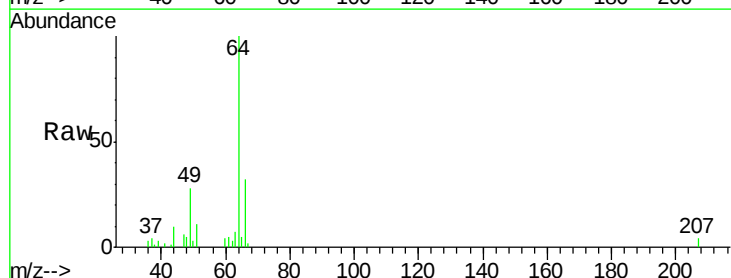
Acq: 27 Jul 2020 16:19

Tgt Ion: 64 Resp: 21295

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

12000

10000

8000

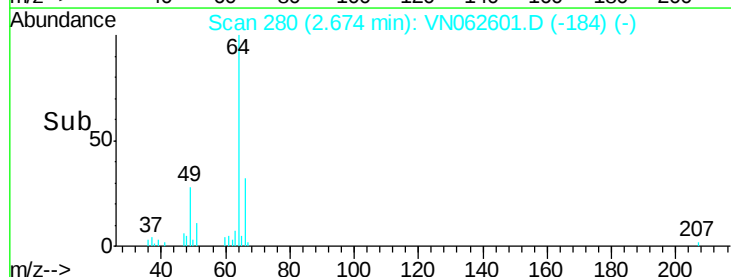
6000

4000

2000

0

Time--> 2.60 2.65 2.70 2.75





#7

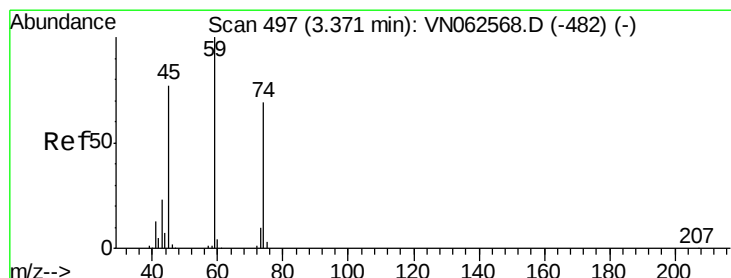
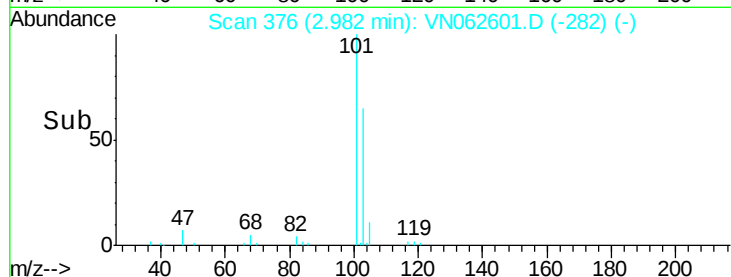
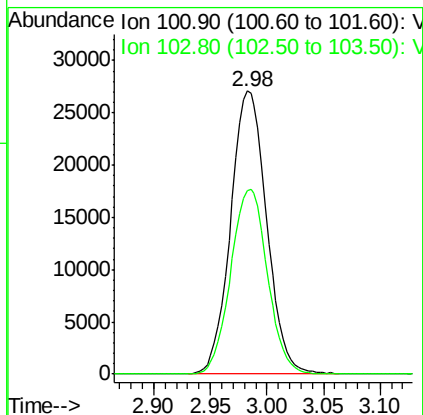
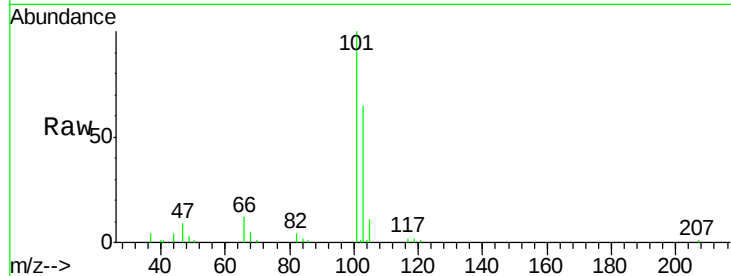
Trichlorofluoromethane
 Concen: 23.883 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		60133		
103	64.7	51.5	77.3		

Manual Integrations
 APPROVED

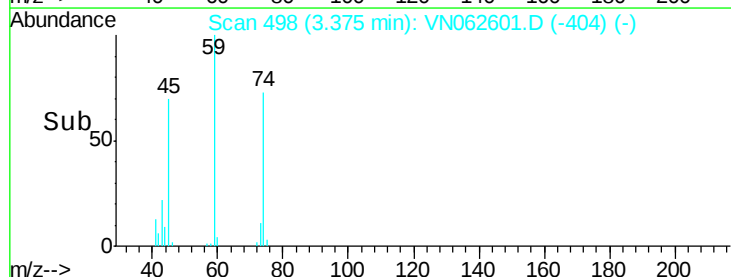
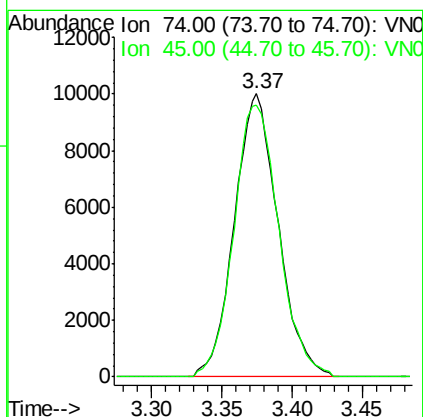
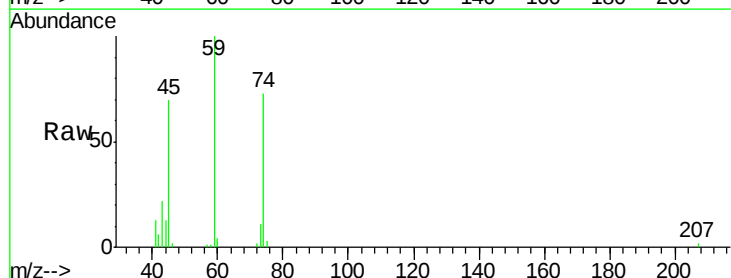
MMDadoda
 7/28/2020 1:46:10 PM

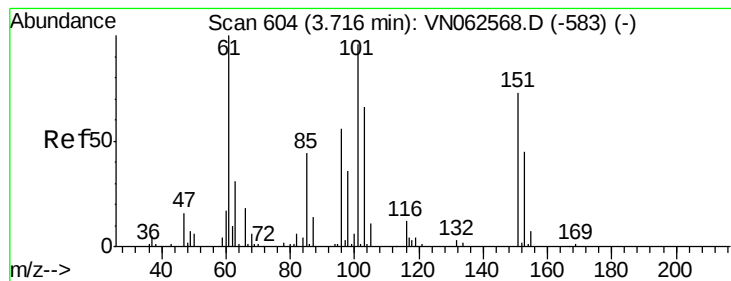


#8

Diethyl Ether
 Concen: 18.423 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		21691		
45	99.0	55.3	165.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.260 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

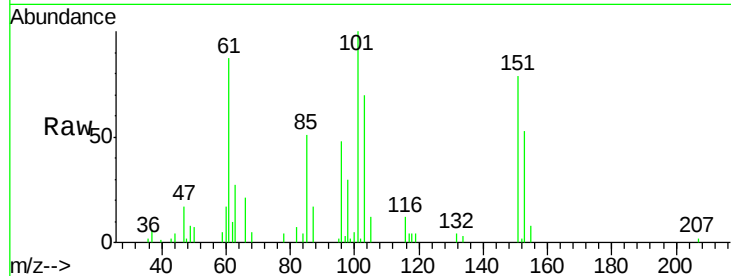
ClientSampleId :

VN0727WBS01

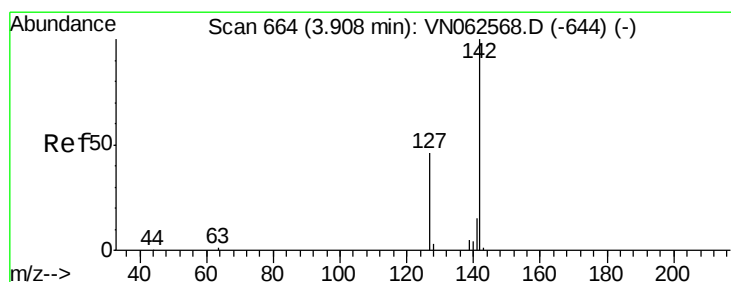
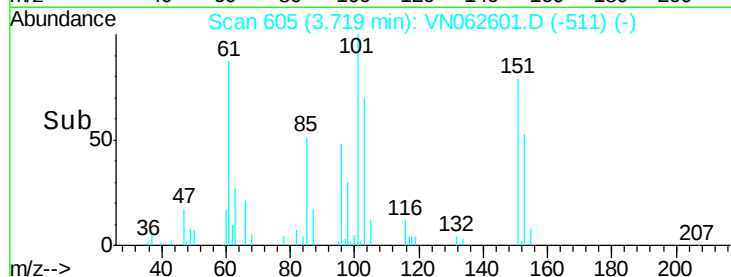
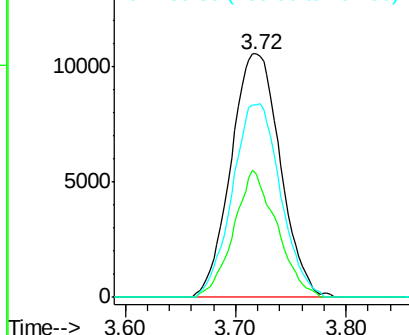
Tot Ion:	101	Resp:	32705
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.0	54.0
151	77.5	60.0	90.0

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.966 ug/l

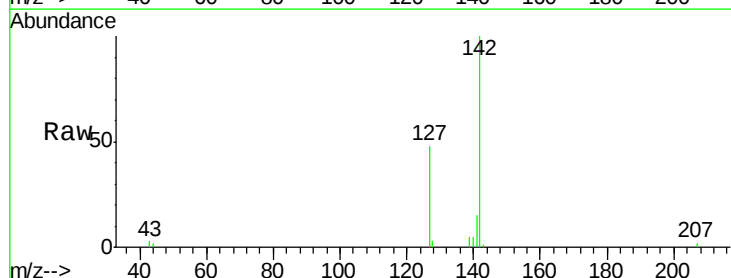
RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

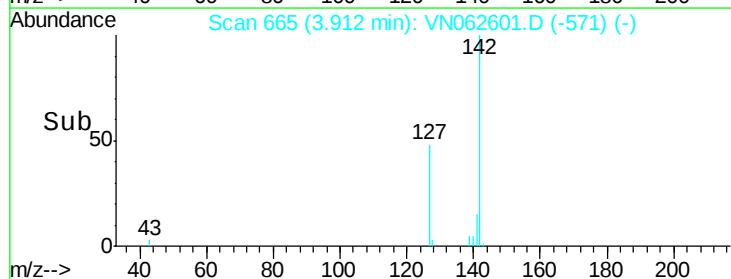
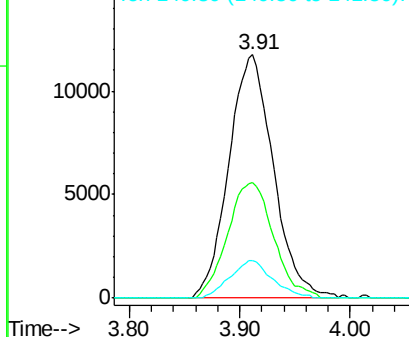
Lab File: VN062601.D

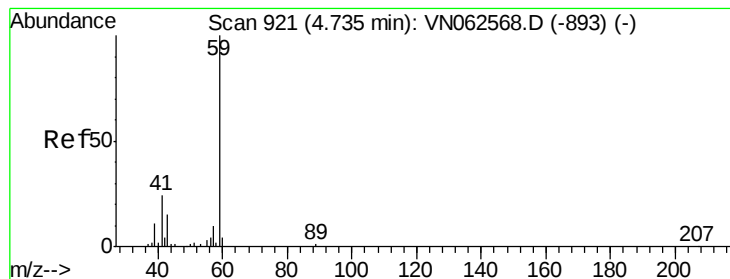
Acq: 27 Jul 2020 16:19

Tgt Ion:	142	Resp:	32950
Ion Ratio	Lower	Upper	
142	100		
127	48.9	37.4	56.0
141	14.7	11.9	17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

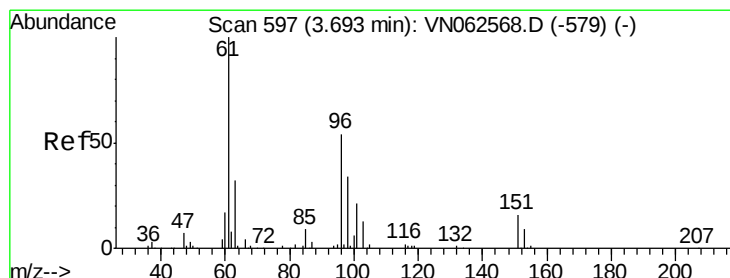
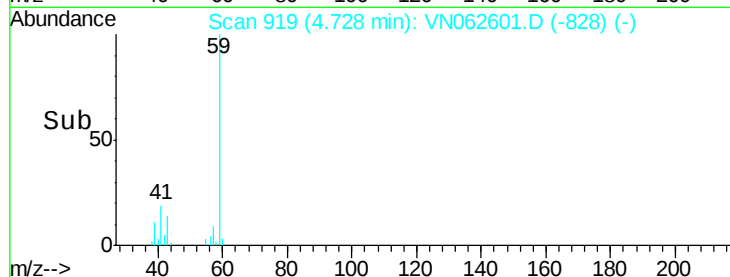
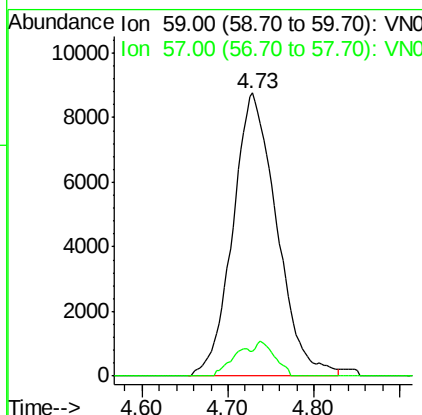
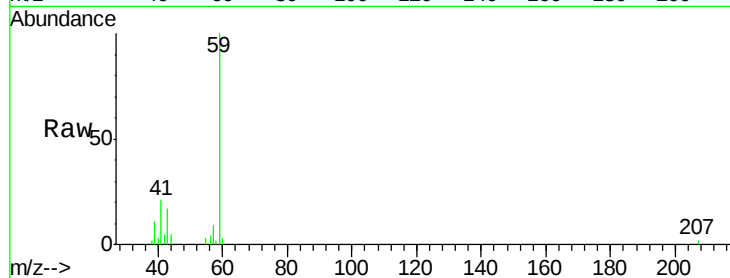
Tert butyl alcohol
 Concen: 82.456 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBS01

Tot Ion	59	Resp	31156
Ion Ratio	100	Lower	Upper
59	100		
57	4.8	8.2	12.2#

Manual Integrations
 APPROVED

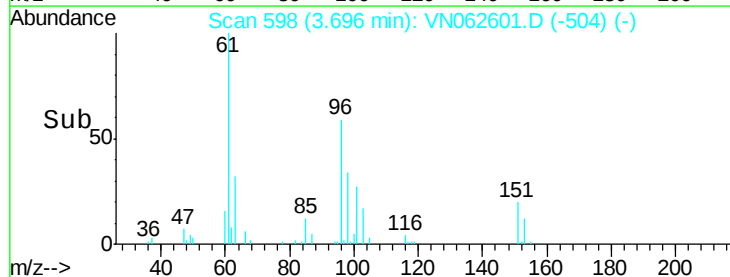
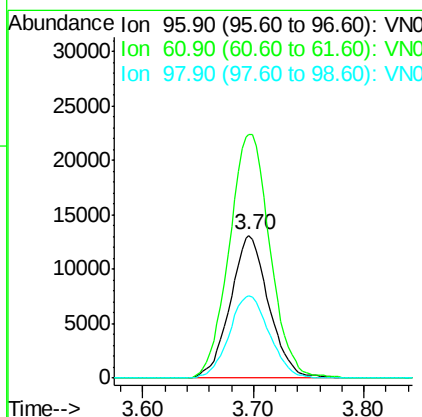
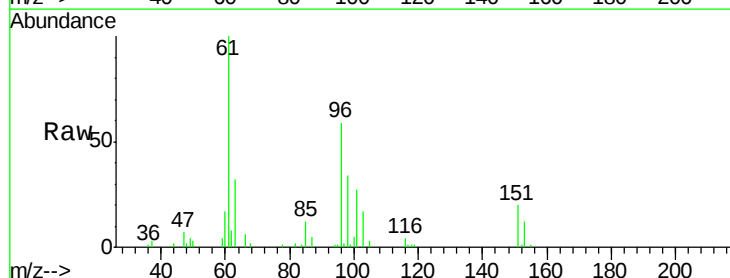
MMDadoda
 7/28/2020 1:46:10 PM

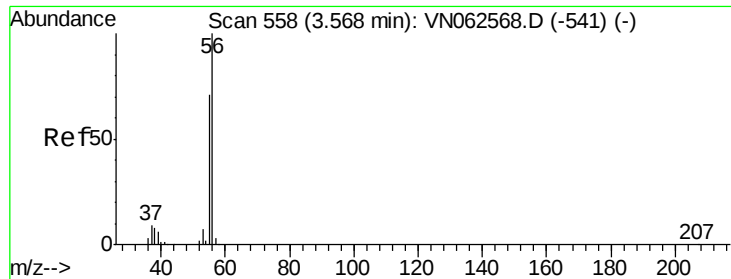


#12

1,1-Dichloroethene
 Concen: 19.363 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion	96	Resp	31700
Ion Ratio	100	Lower	Upper
96	100		
61	170.3	148.6	222.8
98	57.7	50.6	75.8





#13

Acrolein

Concen: 60.852 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 56 Resp: 21376

Ion Ratio Lower Upper

56 100

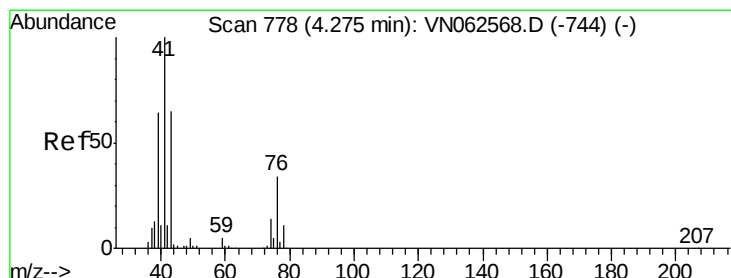
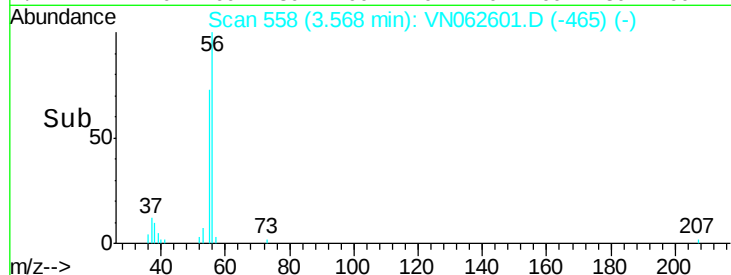
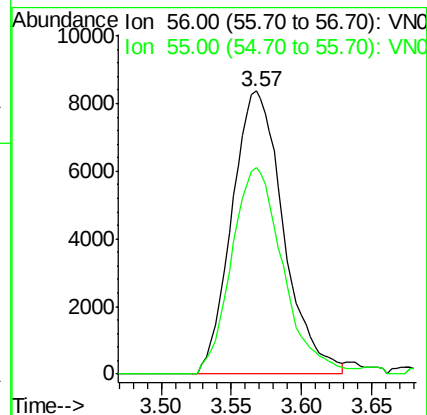
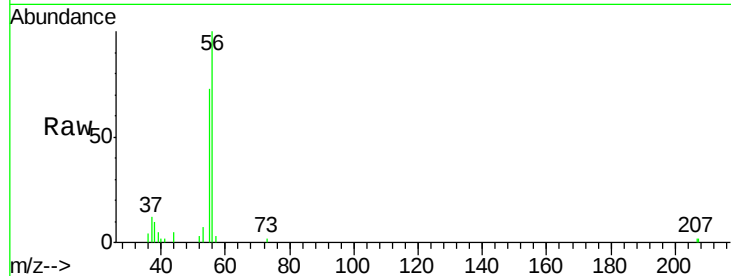
55 72.8 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

7/28/2020 1:46:10 PM



#14

Allyl chloride

Concen: 16.330 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

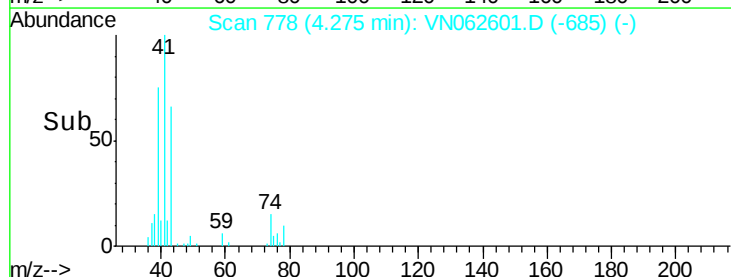
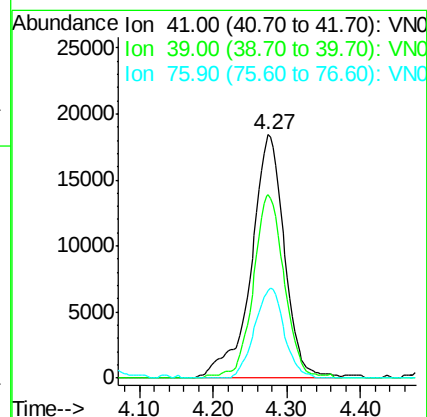
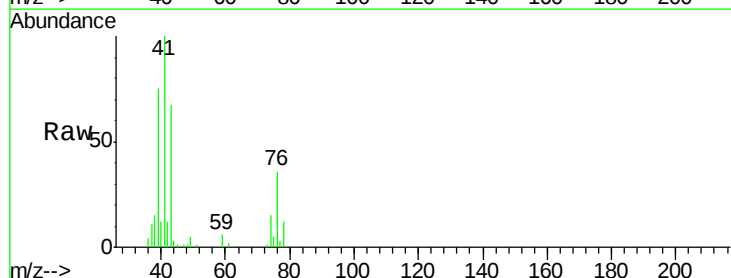
Tgt Ion: 41 Resp: 57831

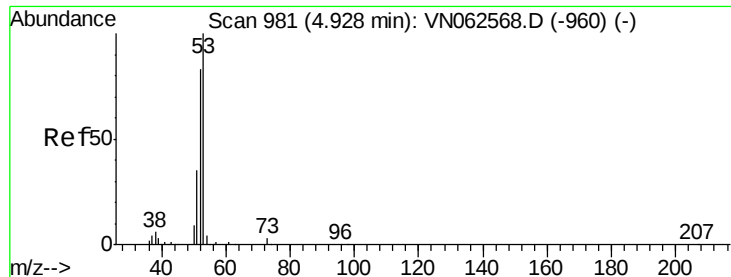
Ion Ratio Lower Upper

41 100

39 66.6 49.0 73.4

76 32.8 24.0 36.0





#15

Acrylonitrile

Concen: 83.048 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

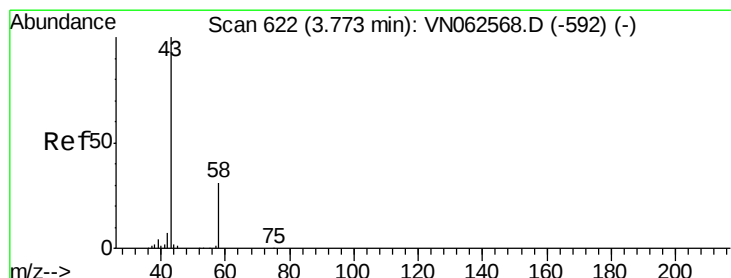
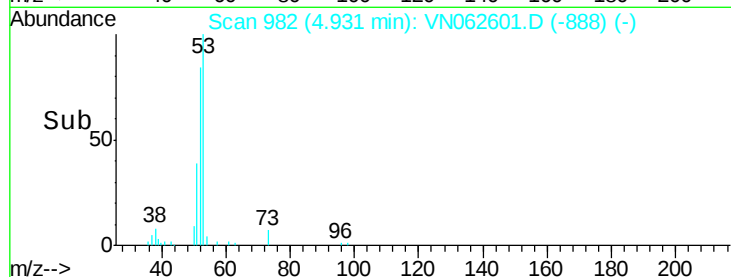
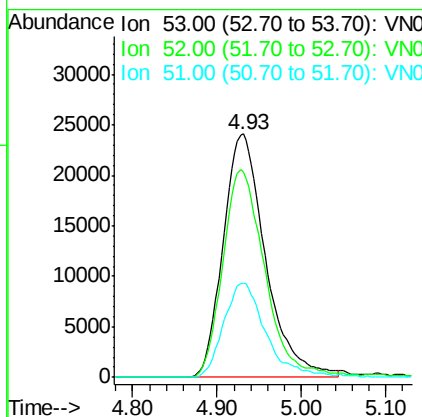
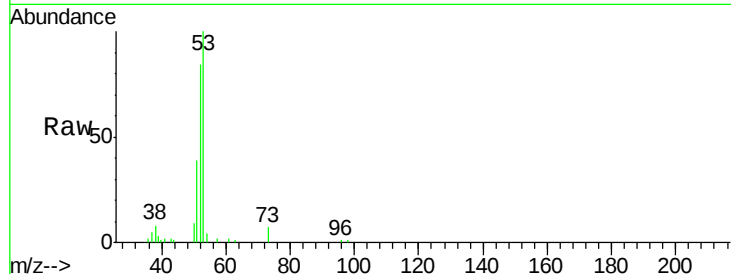
ClientSampleId :

VN0727WBS01

Tot Ion:	53	Resp:	84050
Ion Ratio	Lower	Upper	
53	100		
52	84.8	66.3	99.5
51	38.3	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM



#16

Acetone

Concen: 93.726 ug/l

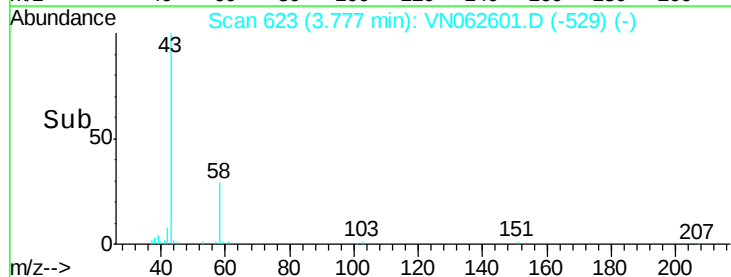
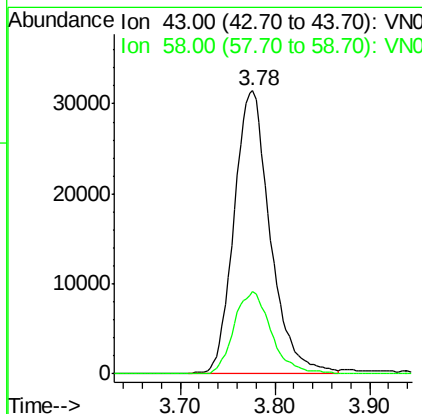
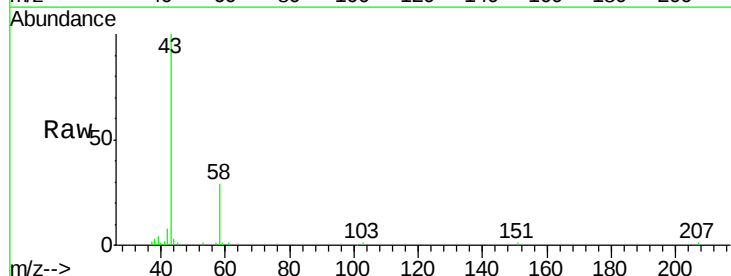
RT: 3.78 min Scan# 623

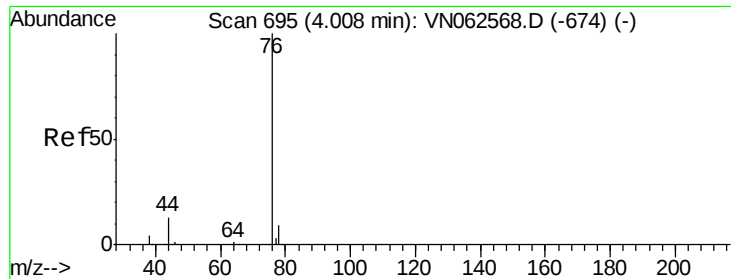
Delta R.T. 0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Tgt Ion:	43	Resp:	83774
Ion Ratio	Lower	Upper	
43	100		
58	29.1	24.6	37.0





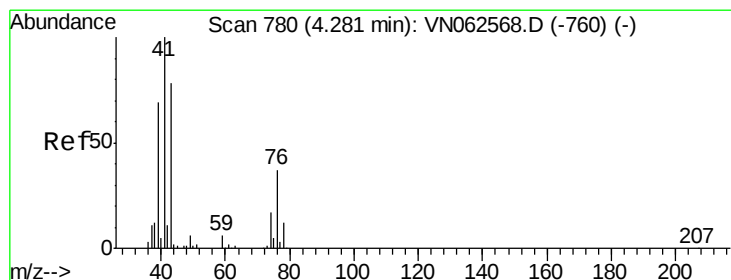
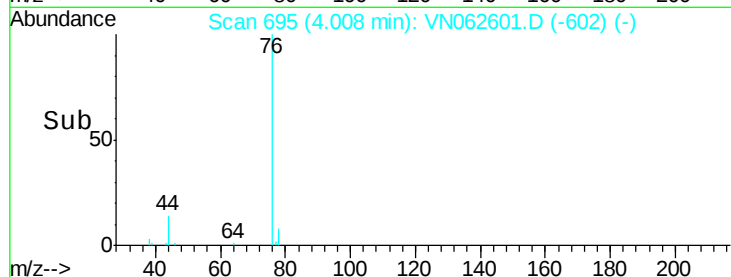
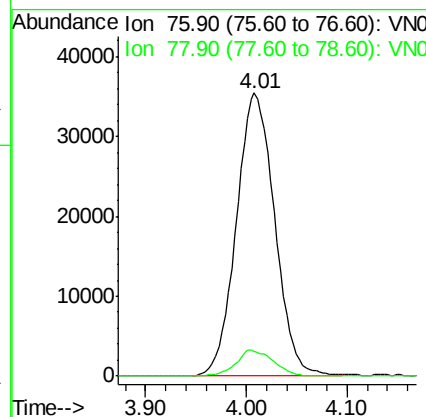
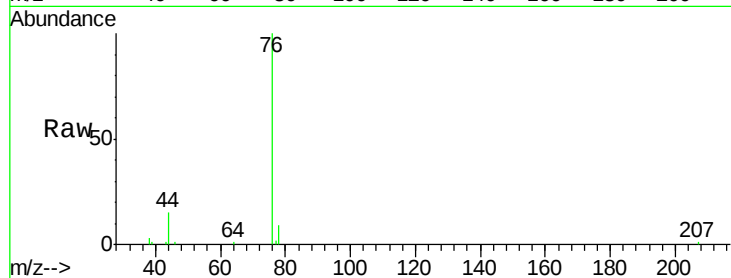
#17
Carbon Disulfide
Concen: 17.370 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	76	Resp	93438
Ion Ratio	Lower	Upper	
76	100		
78	8.9	7.3	10.9

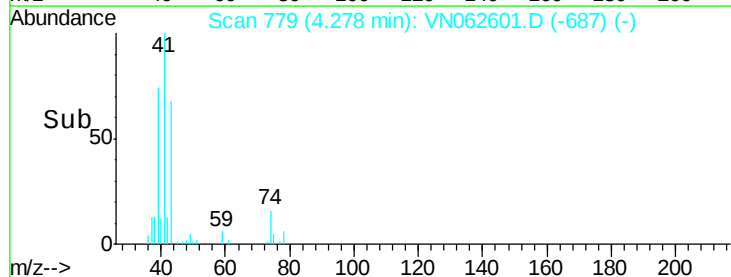
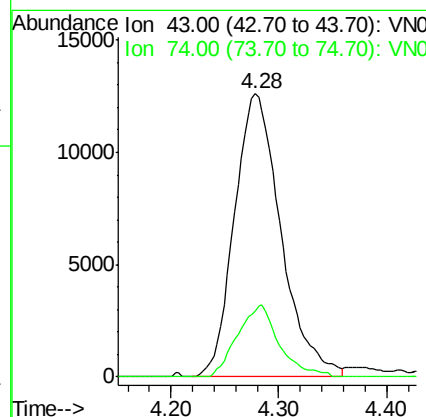
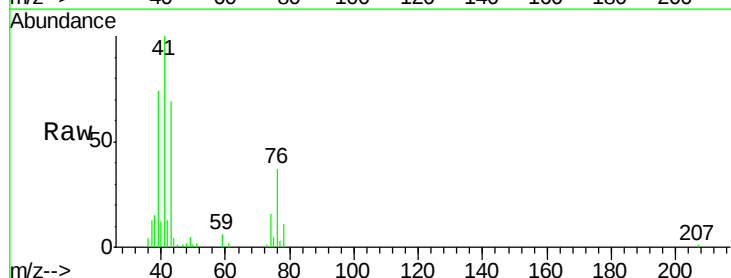
Manual Integrations
APPROVED

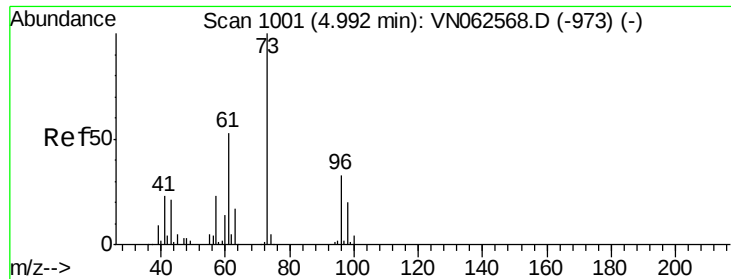
MMDadoda
7/28/2020 1:46:10 PM



#18
Methyl Acetate
Concen: 16.767 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	43	Resp	37940
Ion Ratio	Lower	Upper	
43	100		
74	22.7	16.6	24.8





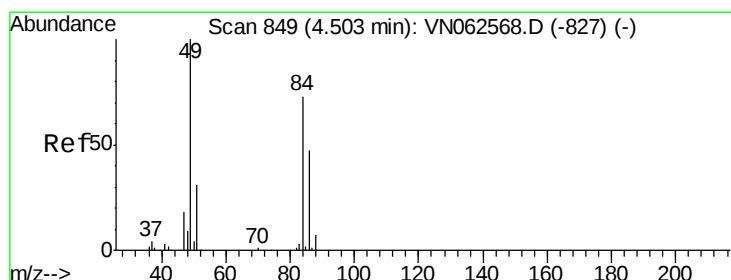
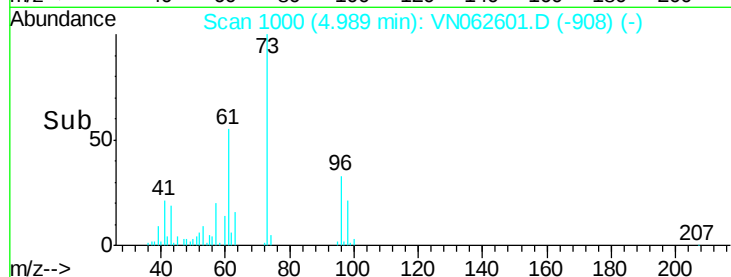
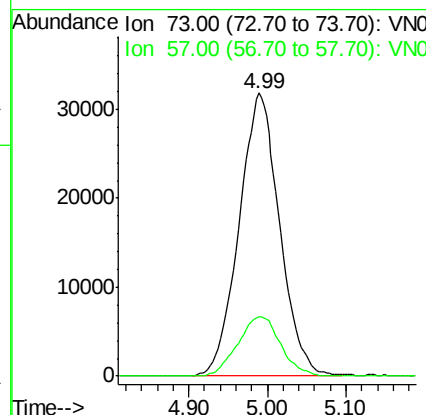
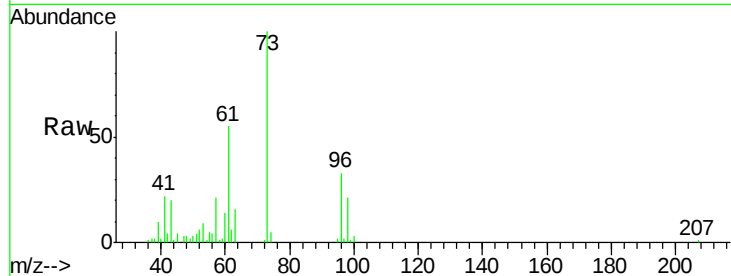
#19
Methyl tert-butyl Ether
Concen: 19.071 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion: 73 Resp: 114920
Ion Ratio Lower Upper
73 100
57 20.8 18.6 27.8

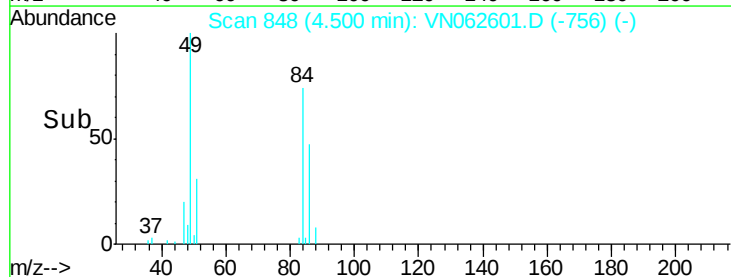
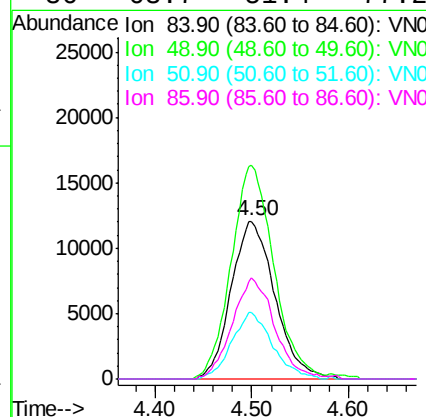
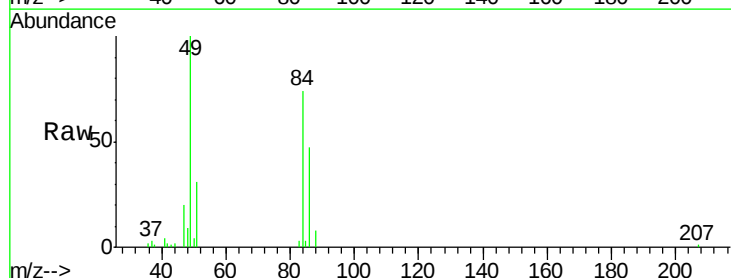
Manual Integrations
APPROVED

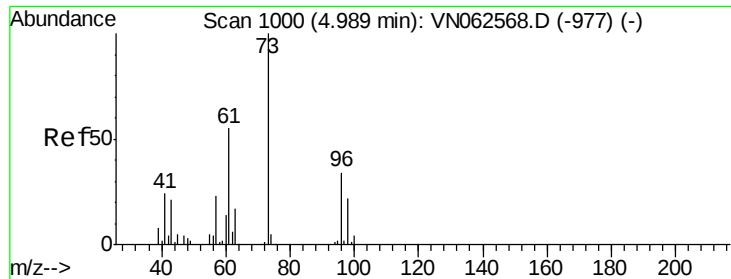
MMDadoda
7/28/2020 1:46:10 PM



#20
Methylene Chloride
Concen: 17.686 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion: 84 Resp: 37915
Ion Ratio Lower Upper
84 100
49 135.1 109.4 164.0
51 42.1 33.6 50.4
86 63.7 51.4 77.2





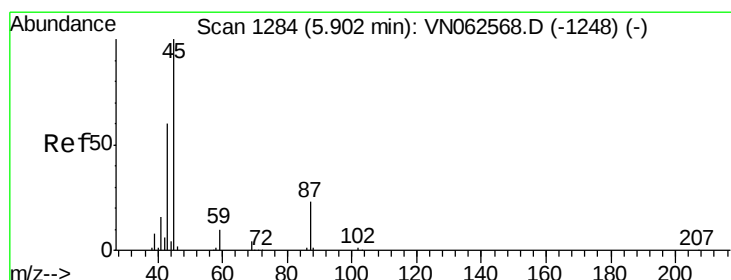
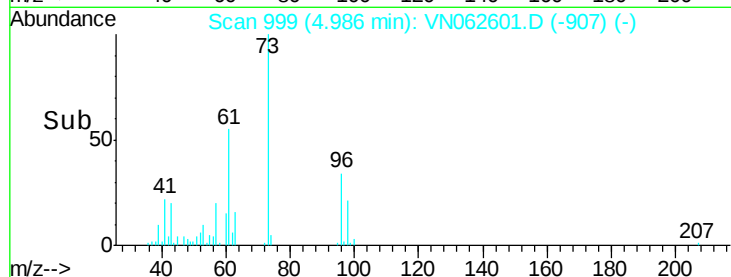
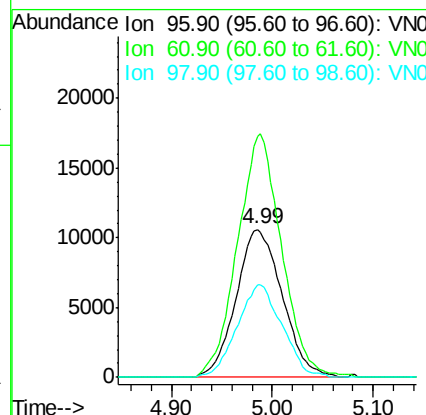
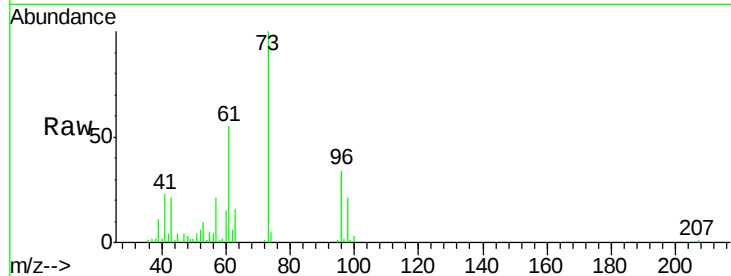
#21
trans-1,2-Dichloroethene
Concen: 18.561 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.2	128.6	192.8
98	62.2	50.6	76.0

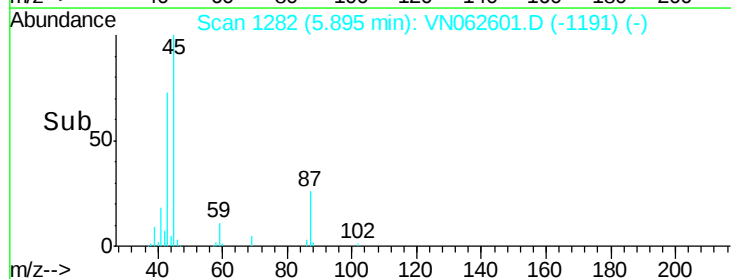
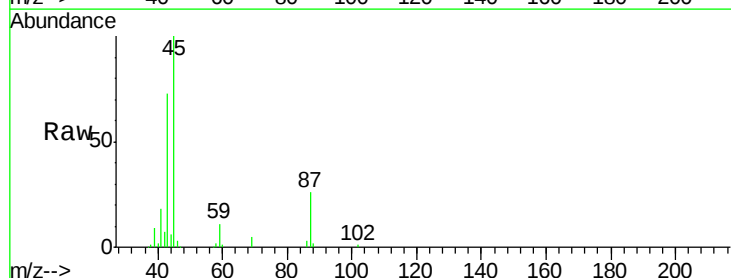
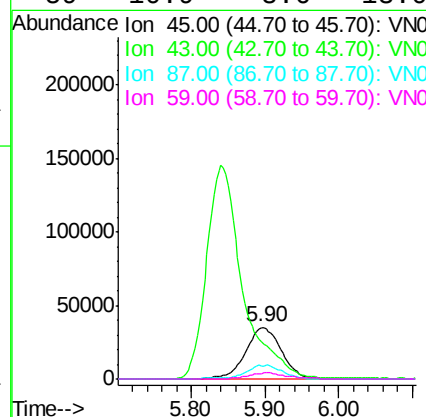
Manual Integrations
APPROVED

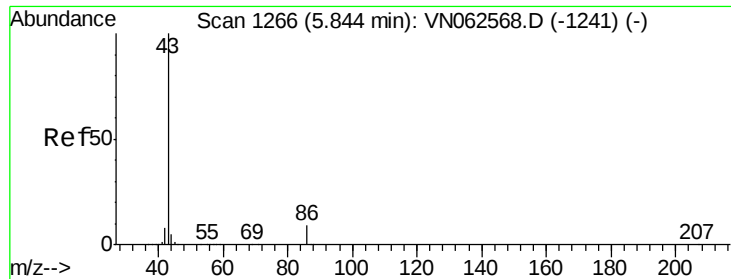
MMDadoda
7/28/2020 1:46:10 PM



#22
Diisopropyl ether
Concen: 16.928 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.5	48.7	73.1
87	25.9	19.0	28.6
59	10.9	8.6	13.0





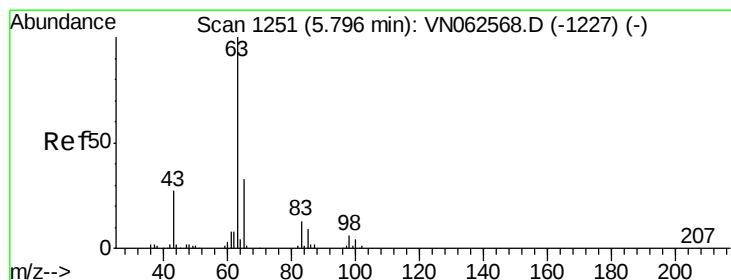
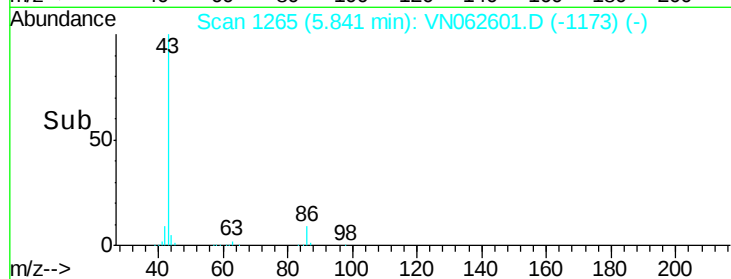
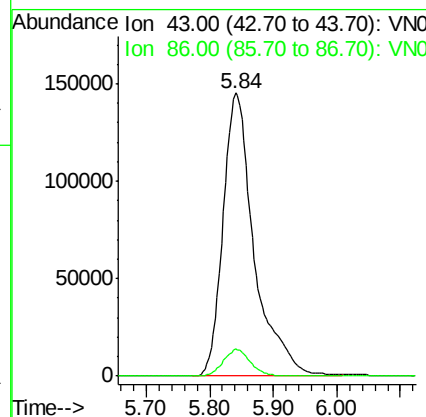
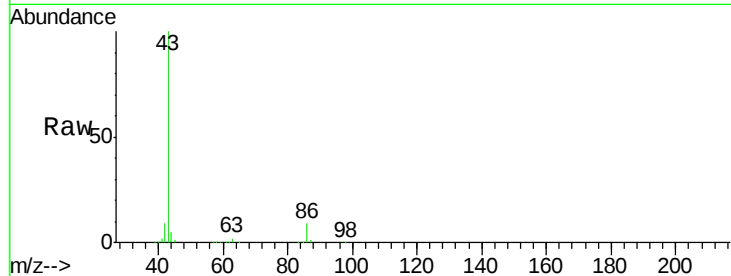
#23
 Vinyl Acetate
 Concen: 85.890 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	43	Resp	495401
Ion	Ratio	Lower	Upper
43	100		
86	9.5	6.9	10.3

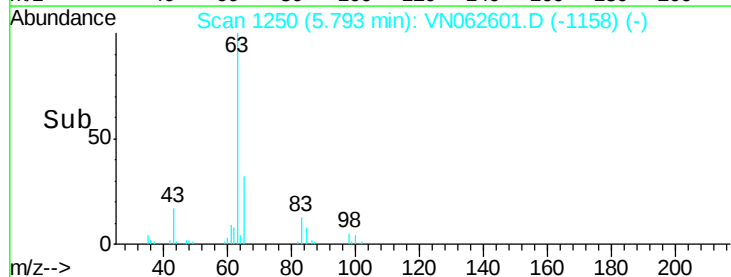
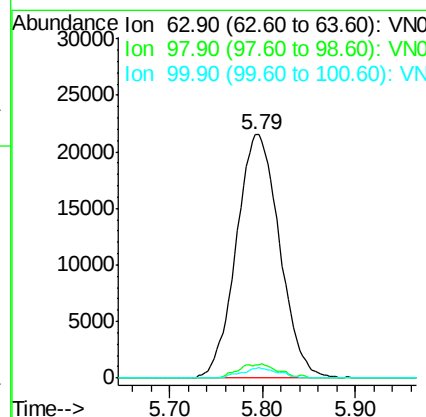
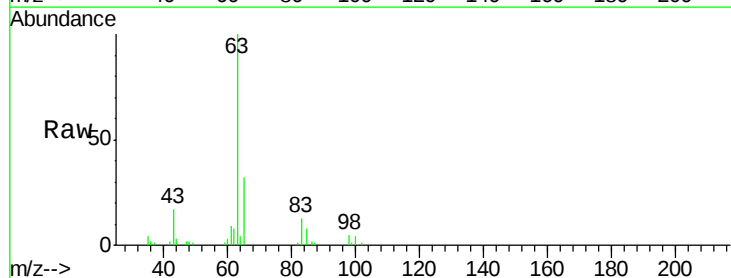
Manual Integrations
 APPROVED

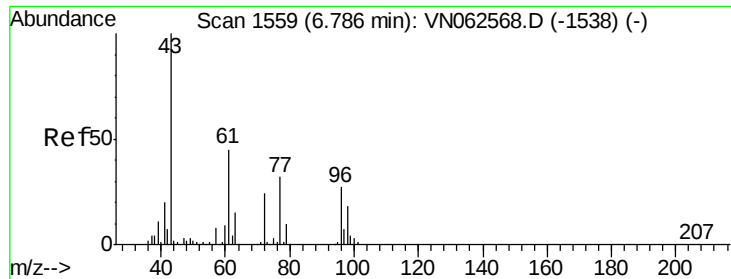
MMDadoda
 7/28/2020 1:46:10 PM



#24
 1,1-Dichloroethane
 Concen: 18.401 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion	63	Resp	69753
Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.9	8.8
100	4.0	1.8	5.4





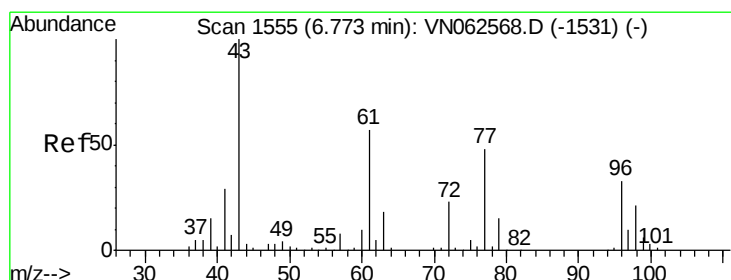
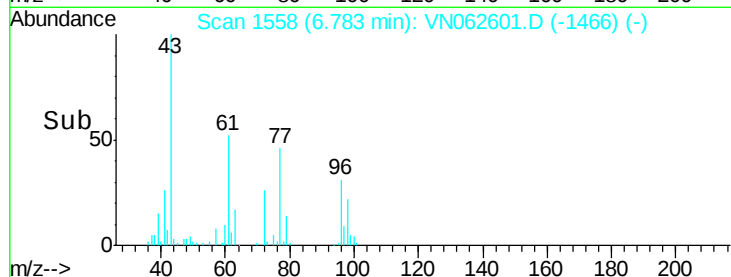
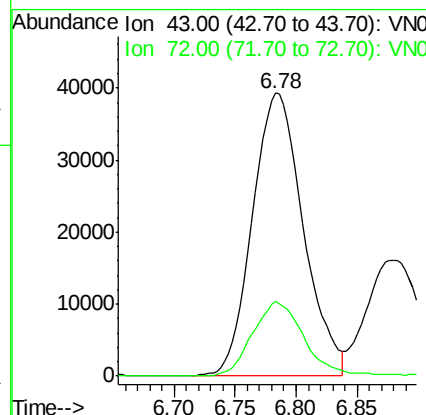
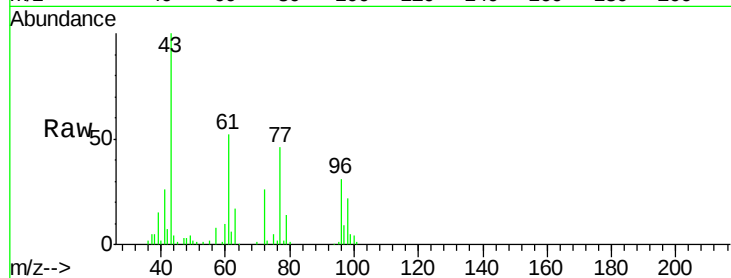
#25
2-Butanone
Concen: 83.482 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion: 43 Resp: 113640
Ion Ratio Lower Upper
43 100
72 26.4 19.0 28.6

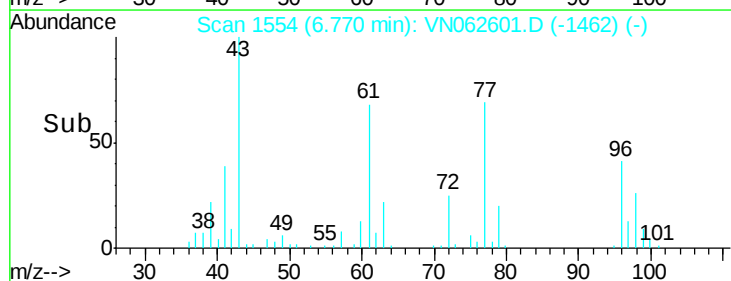
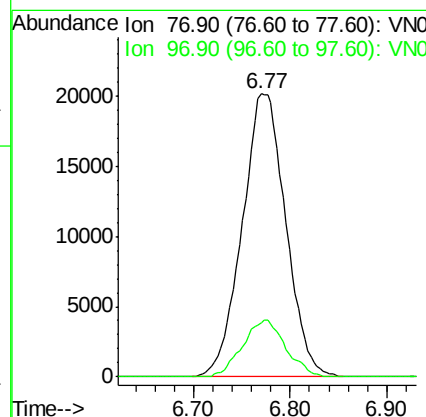
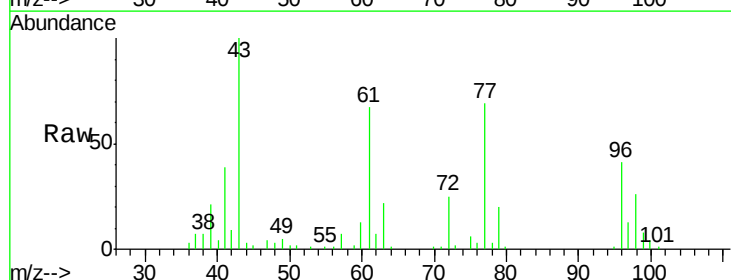
Manual Integrations
APPROVED

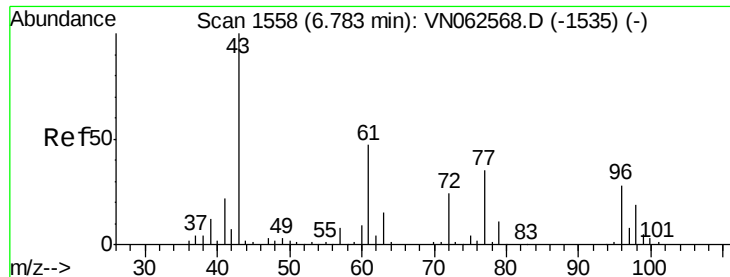
MMDadoda
7/28/2020 1:46:10 PM



#26
2,2-Dichloropropane
Concen: 20.275 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion: 77 Resp: 63090
Ion Ratio Lower Upper
77 100
97 19.8 10.8 32.4





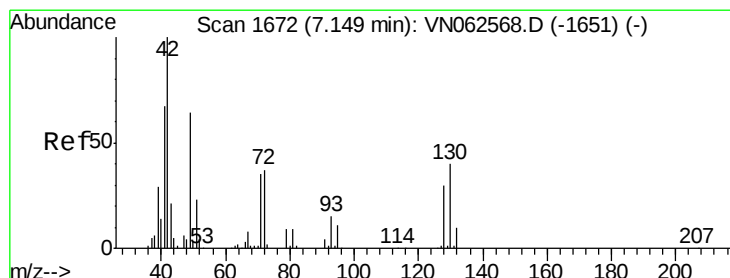
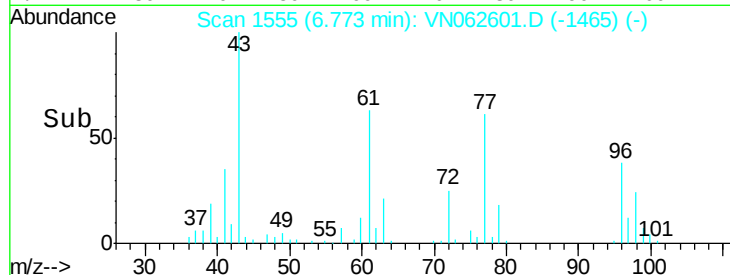
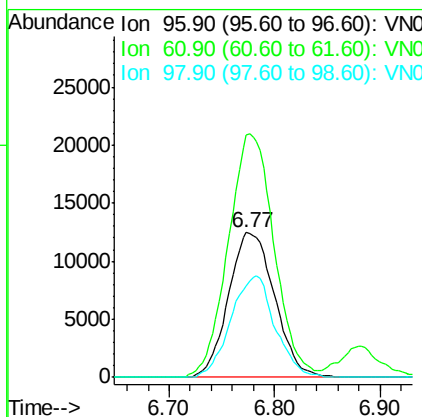
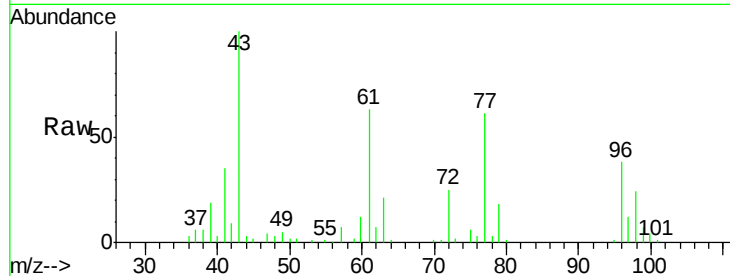
#27
 cis-1,2-Dichloroethene
 Concen: 18.244 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.3	0.0	332.4
98	67.1	0.0	127.4

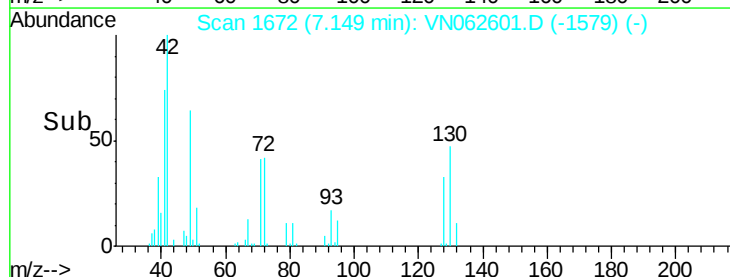
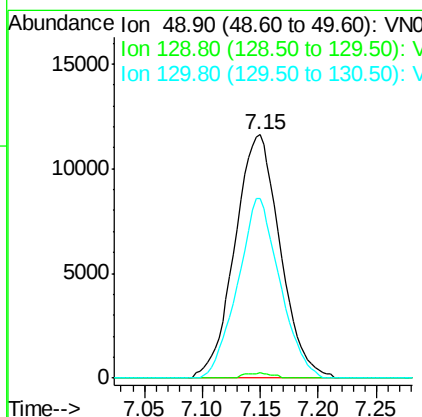
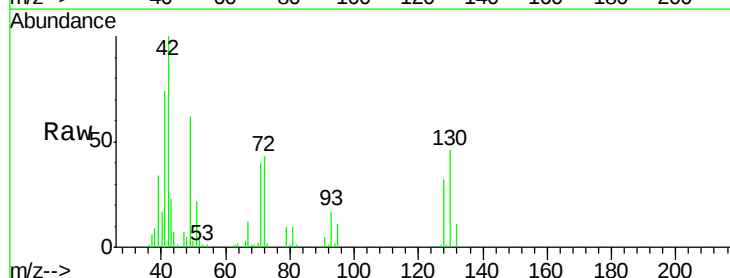
Manual Integrations
 APPROVED

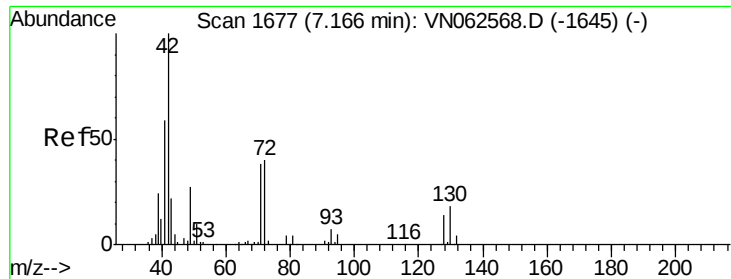
MMDadoda
 7/28/2020 1:46:10 PM



#28
 Bromochloromethane
 Concen: 16.948 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	68.6	49.8	74.8





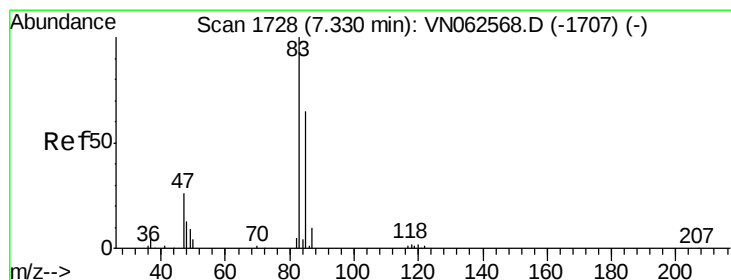
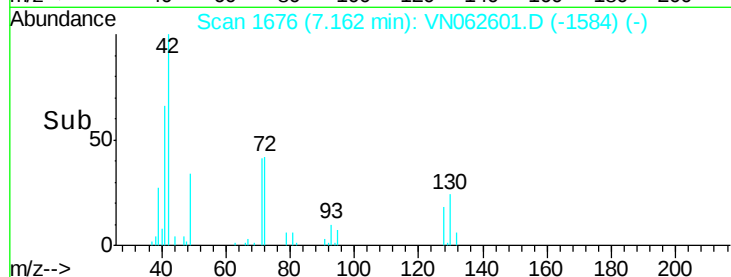
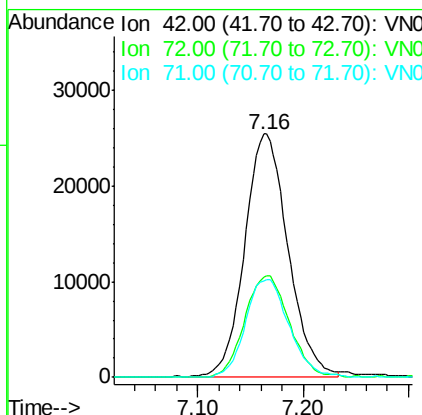
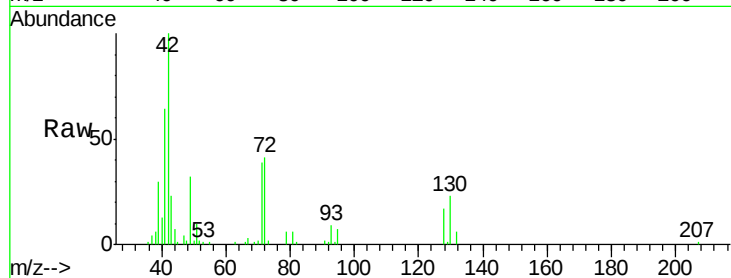
#29
Tetrahydrofuran
Concen: 79.323 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	30.7	46.1
71	40.3	29.1	43.7

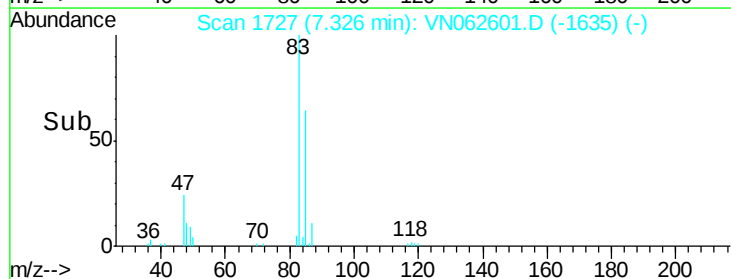
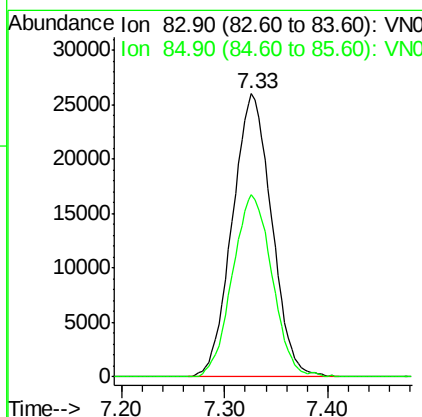
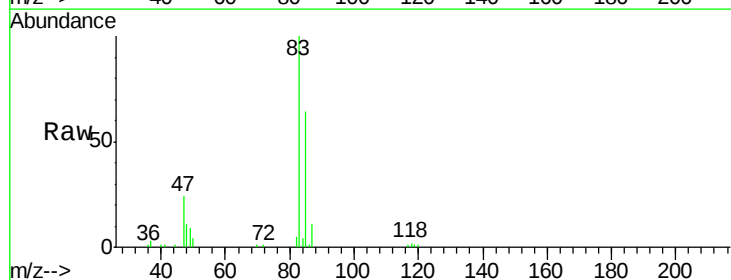
Manual Integrations
APPROVED

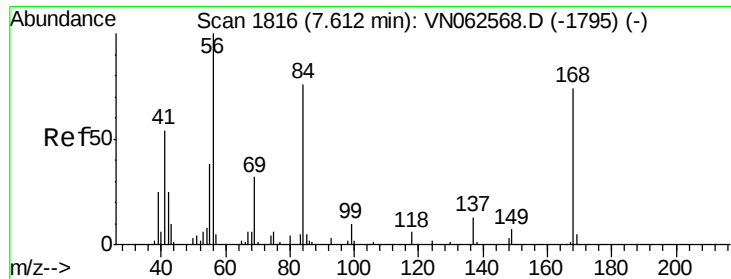
MMDadoda
7/28/2020 1:46:10 PM



#30
Chloroform
Concen: 19.120 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.0	78.0





#31

Cyclohexane

Concen: 17.446 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

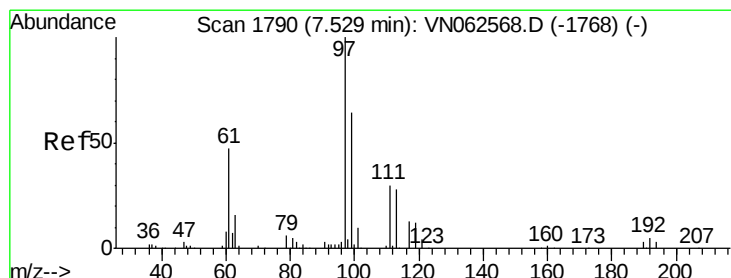
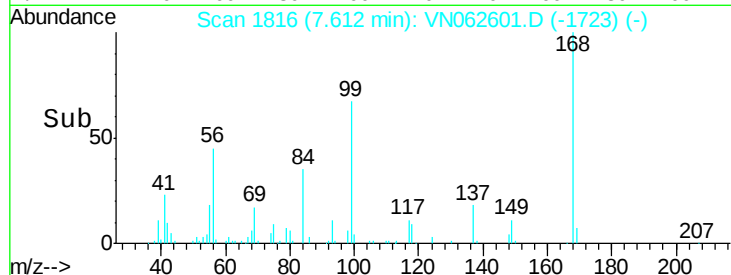
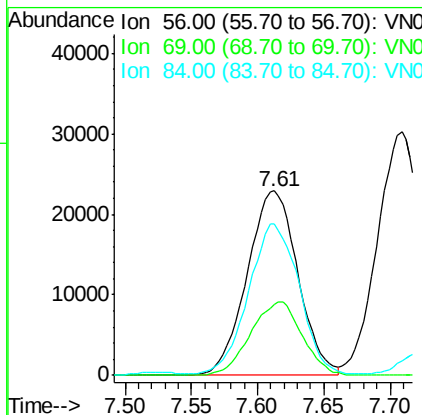
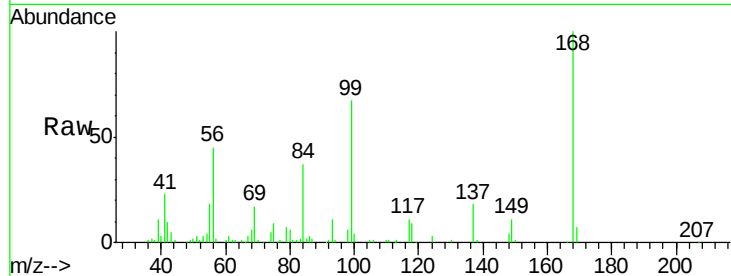
ClientSampleId :

VN0727WBS01

Tot Ion:	56	Resp:	61059
Ion	Ratio	Lower	Upper
56	100		
69	38.7	25.3	37.9#
84	81.5	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM



#32

1,1,1-Trichloroethane

Concen: 20.681 ug/l

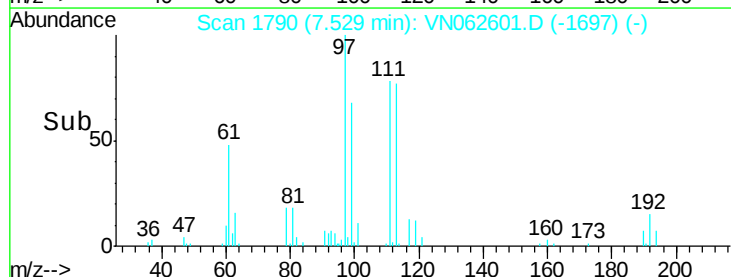
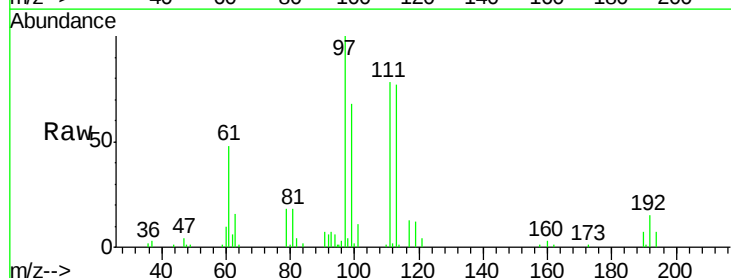
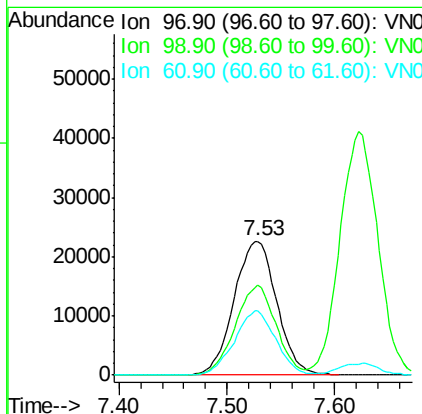
RT: 7.53 min Scan# 1790

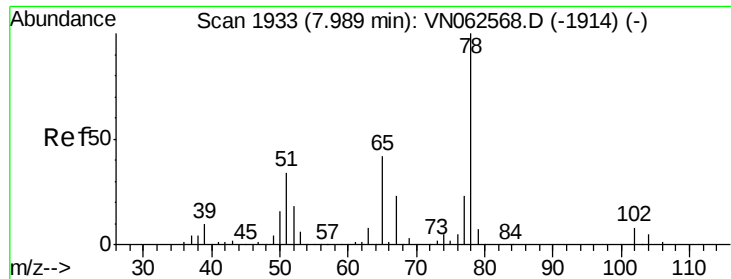
Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Tgt Ion:	97	Resp:	62230
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	46.6	38.4	57.6





#33

1,2-Dichloroethane-d4

Concen: 49.274 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 65 Resp: 117037

Ion Ratio Lower Upper

65 100

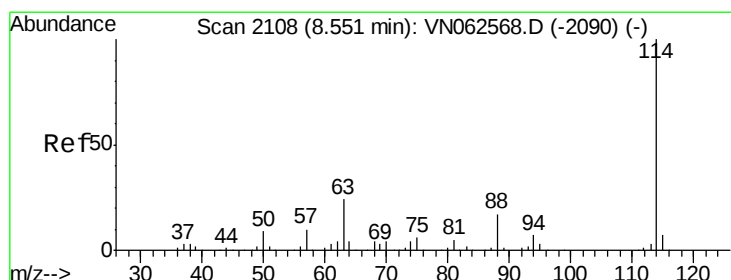
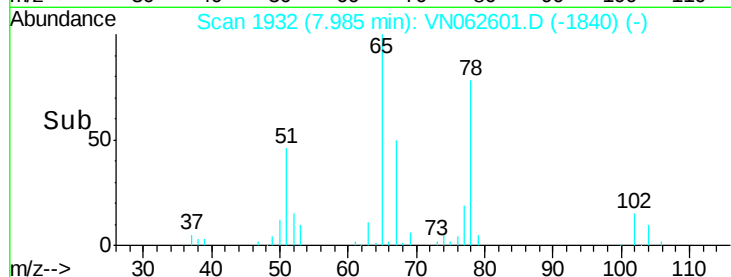
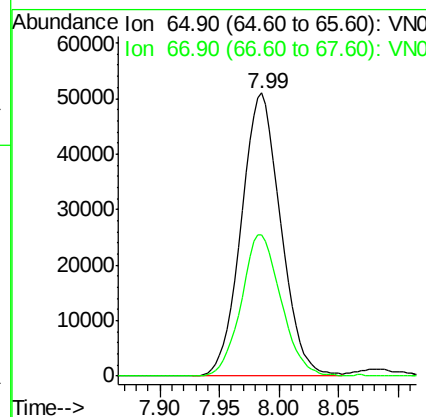
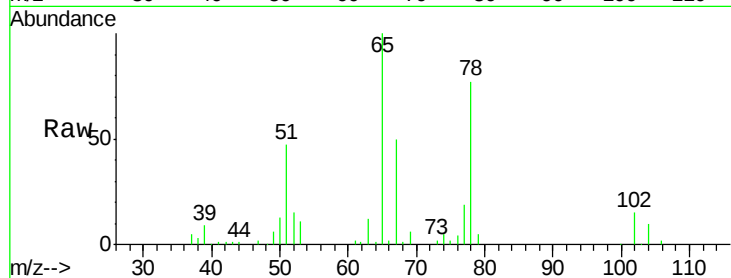
67 50.5 0.0 106.0

Manual Integrations

APPROVED

MMDadoda

7/28/2020 1:46:10 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

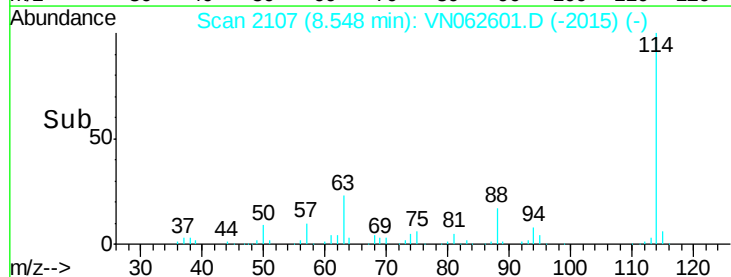
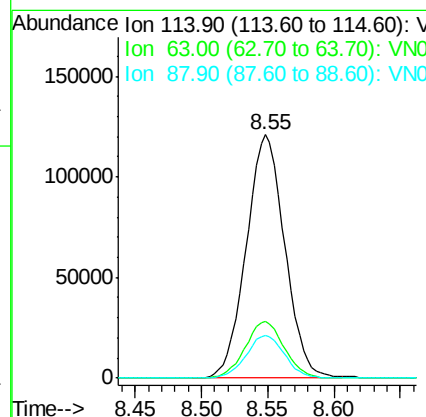
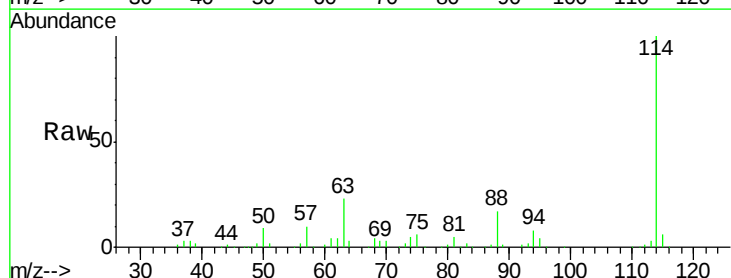
Tgt Ion: 114 Resp: 244223

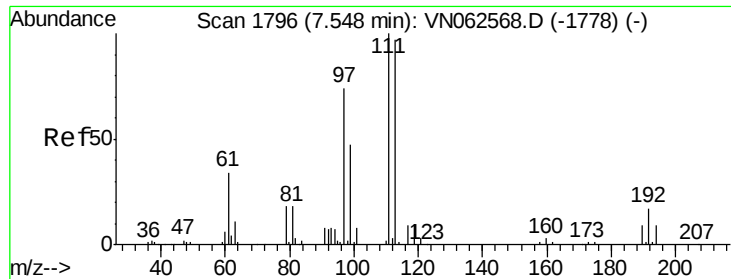
Ion Ratio Lower Upper

114 100

63 23.4 0.0 48.4

88 17.4 0.0 33.8





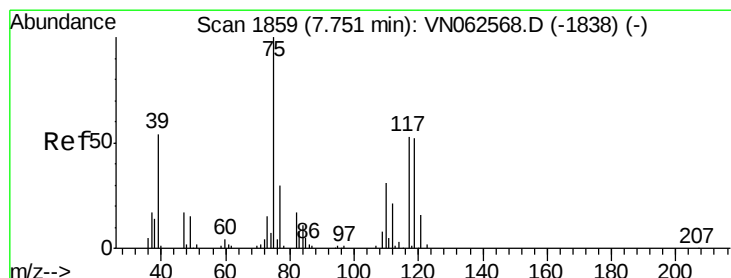
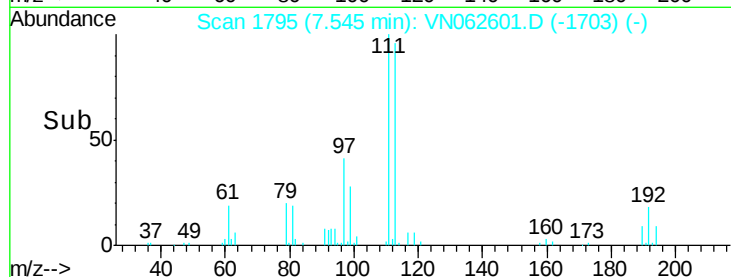
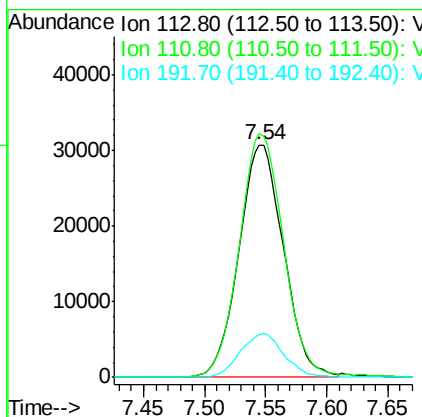
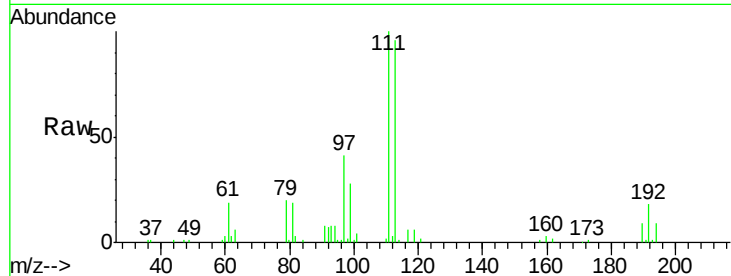
#35
 Dibromofluoromethane
 Concen: 48.506 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.7	124.1
192	18.5	14.8	22.2

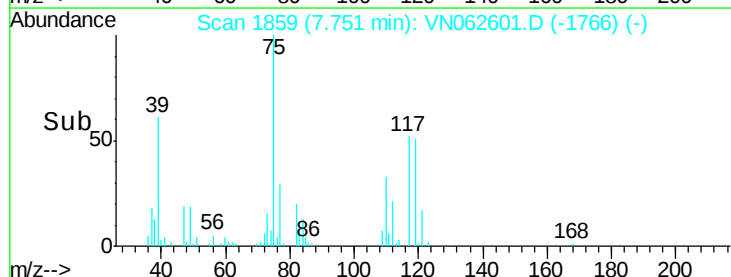
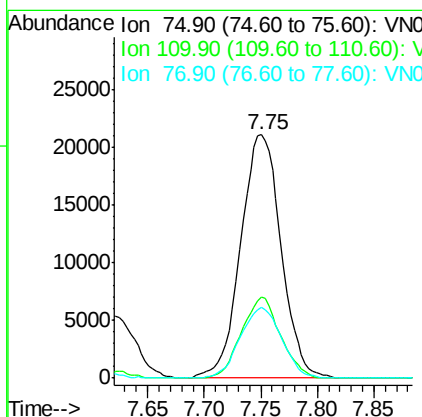
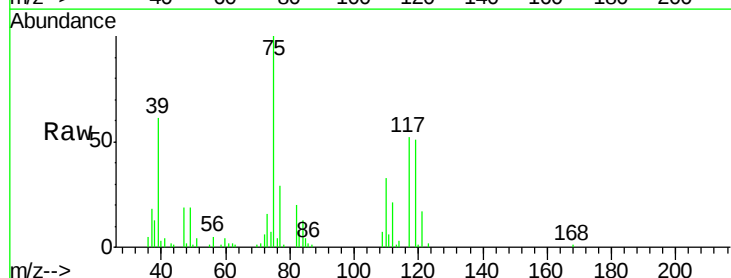
Manual Integrations
 APPROVED

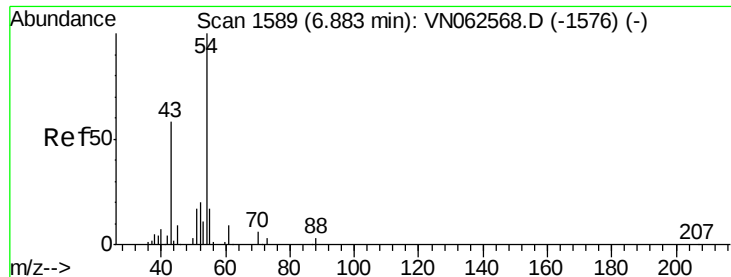
MMDadoda
 7/28/2020 1:46:10 PM



#36
 1,1-Dichloropropene
 Concen: 20.105 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	16.0	48.0
77	29.6	24.6	36.8





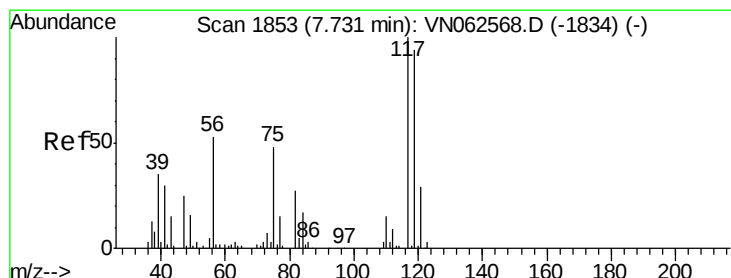
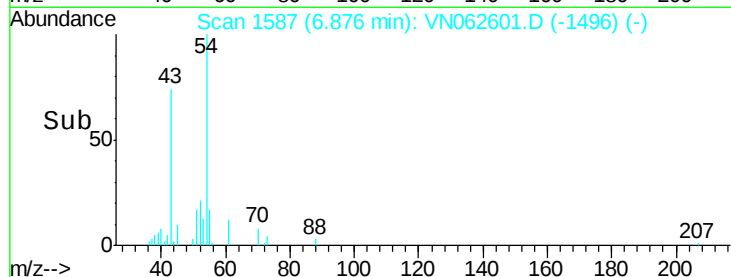
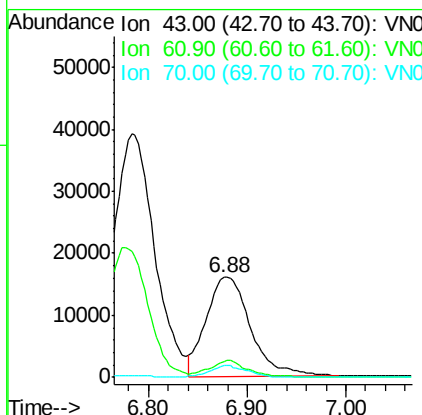
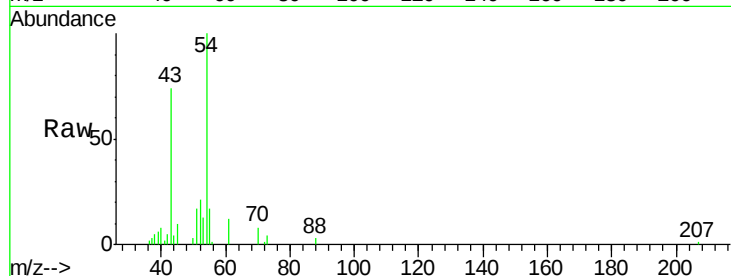
#37
Ethyl Acetate
Concen: 17.768 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.3	16.9
70	9.9	7.7	11.5

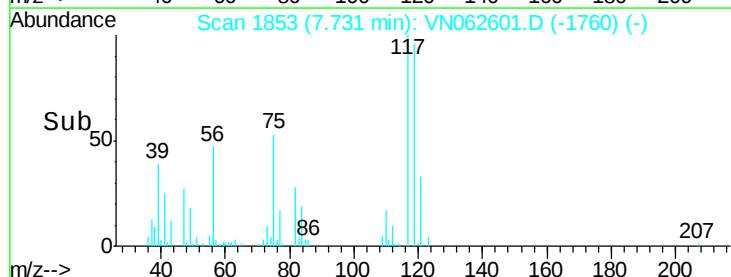
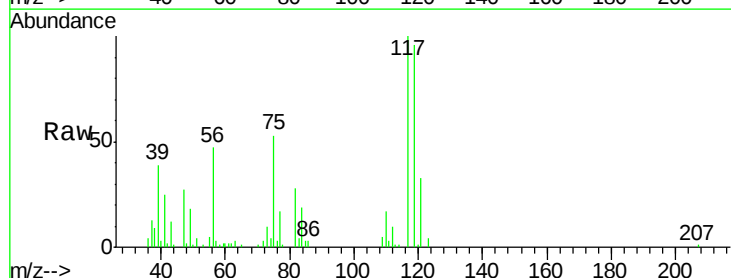
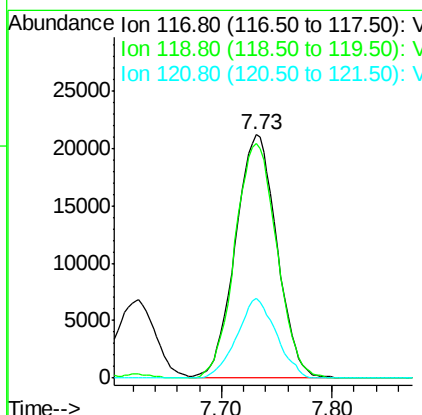
Manual Integrations
APPROVED

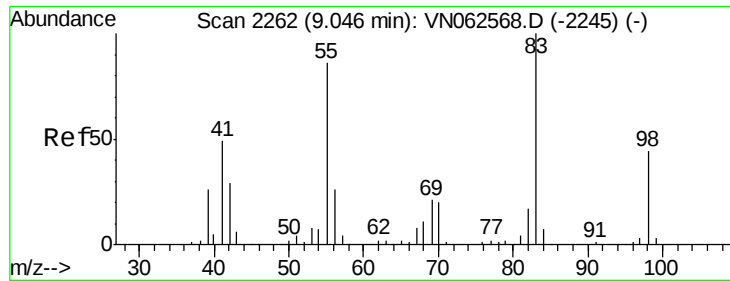
MMDadoda
7/28/2020 1:46:10 PM



#38
Carbon Tetrachloride
Concen: 22.063 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.8	112.2
121	32.9	23.0	34.6





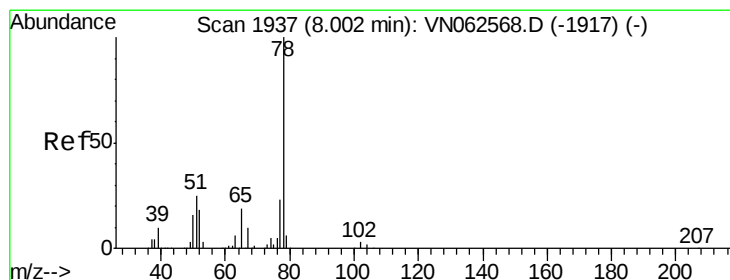
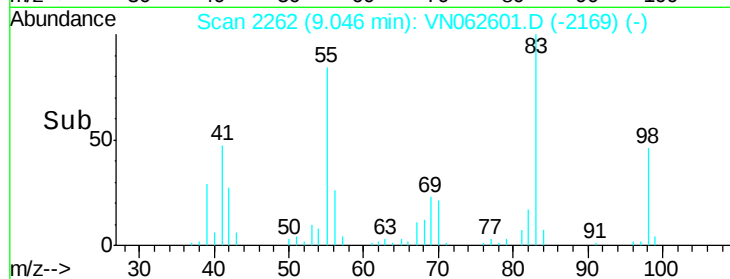
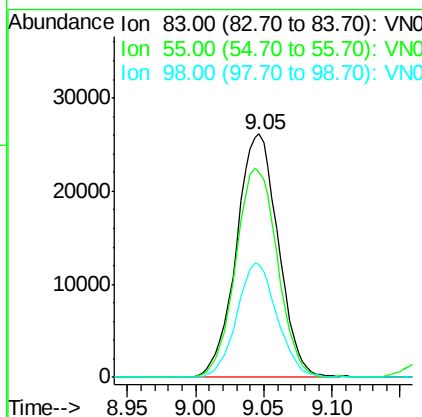
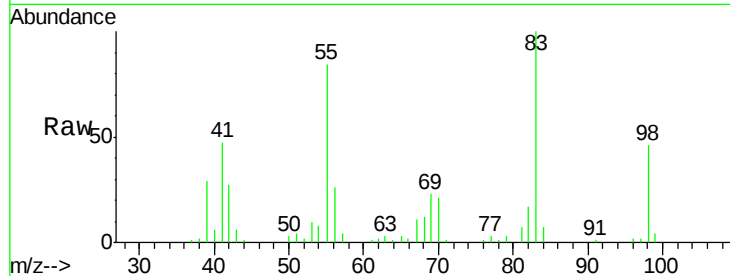
#39
Methvlcvclohexane
Concen: 19.839 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	83	Resp	55594
Ion Ratio	Lower	Upper	
83	100		
55	84.3	68.9	103.3
98	46.4	35.1	52.7

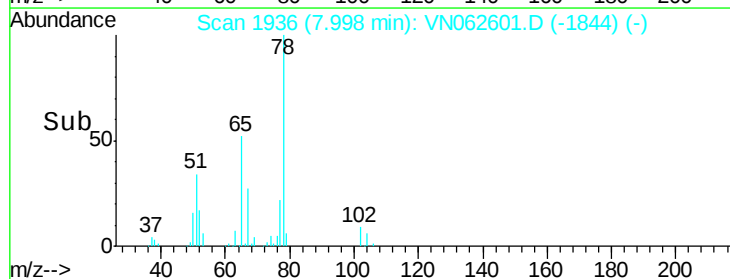
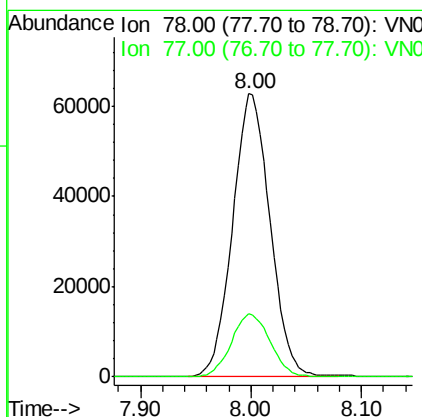
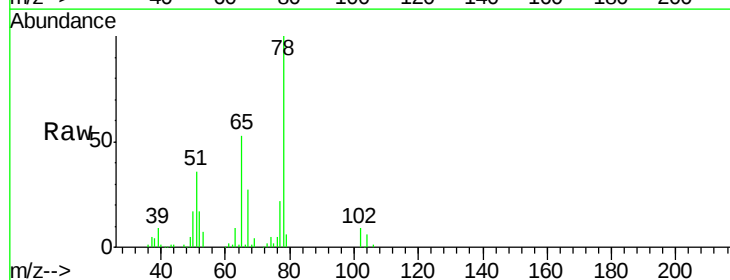
Manual Integrations
APPROVED

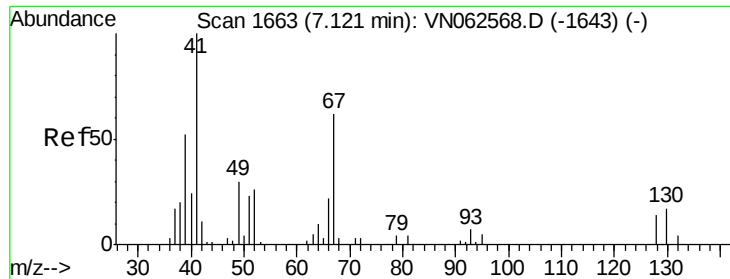
MMDadoda
7/28/2020 1:46:10 PM



#40
Benzene
Concen: 18.717 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	78	Resp	147510
Ion Ratio	Lower	Upper	
78	100		
77	22.3	18.7	28.1





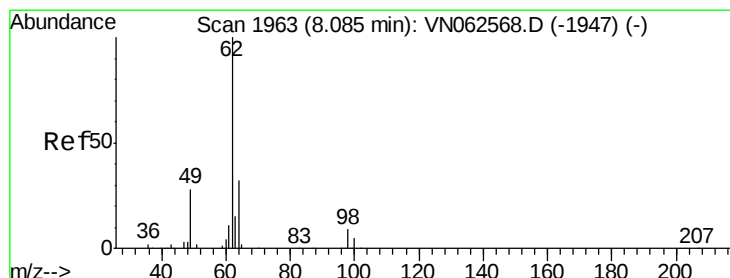
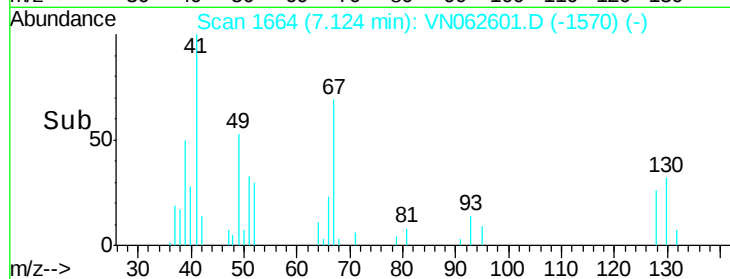
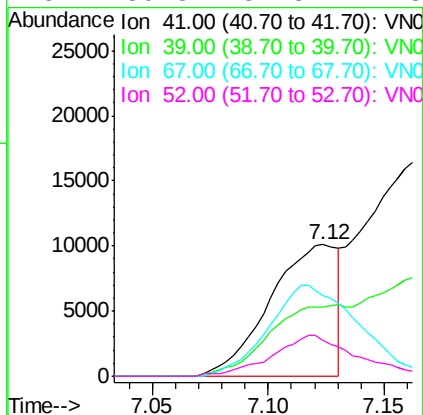
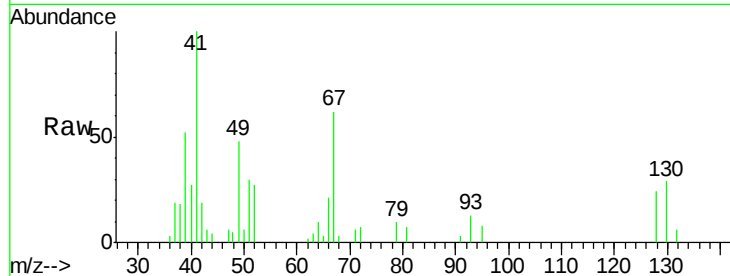
#41
Methacrylonitrile
Concen: 17.074 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	41	Resp	20534
Ion	Ratio	Lower	Upper
41	100		
39	65.0	55.8	83.6
67	93.2	72.5	108.7
52	39.3	31.8	47.8

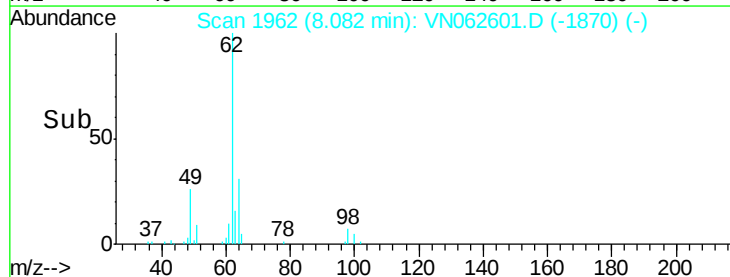
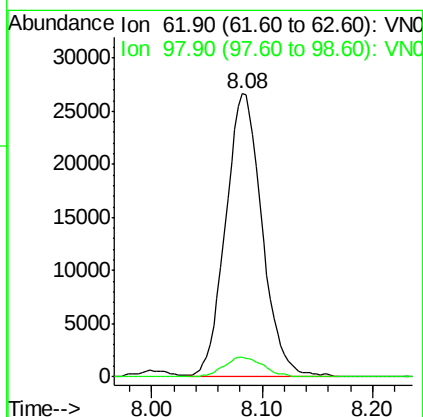
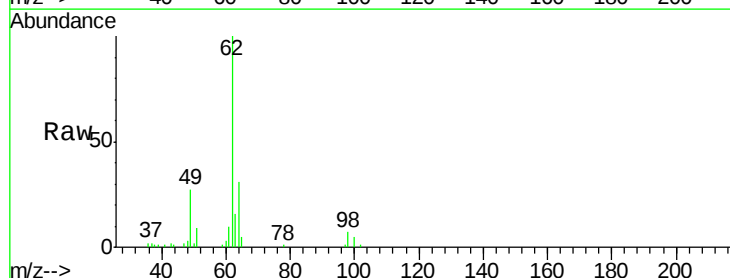
Manual Integrations
APPROVED

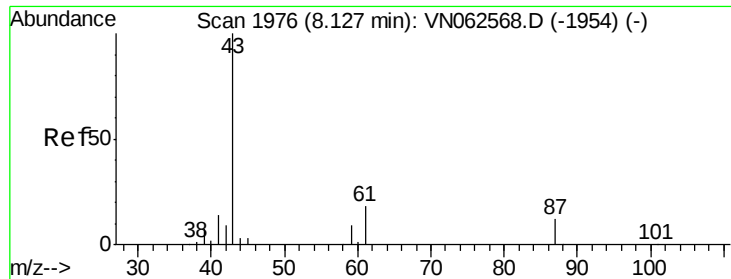
MMDadoda
7/28/2020 1:46:10 PM



#42
1,2-Dichloroethane
Concen: 21.218 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	62	Resp	61133
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 18.058 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

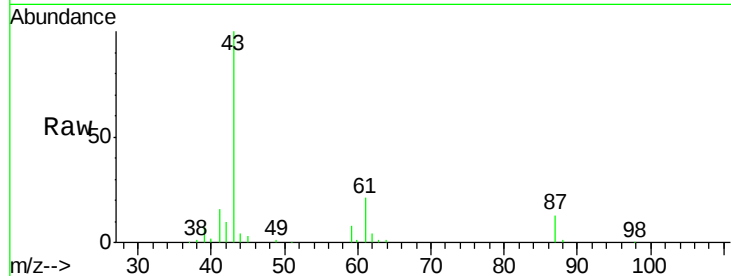
ClientSampleId :

VN0727WBS01

Tot Ion:	43	Resp:	81685
Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.8	31.2
87	12.2	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM

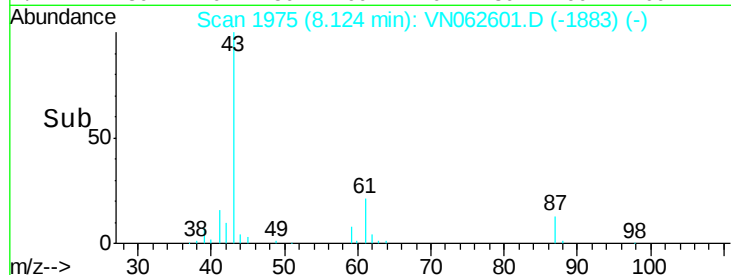


Abundance Ion 43.00 (42.70 to 43.70): VN062601.D (-1954) (-)

Ion 61.00 (60.70 to 61.70): VN062601.D (-1954) (-)

Ion 87.00 (86.70 to 87.70): VN062601.D (-1954) (-)

Time-->



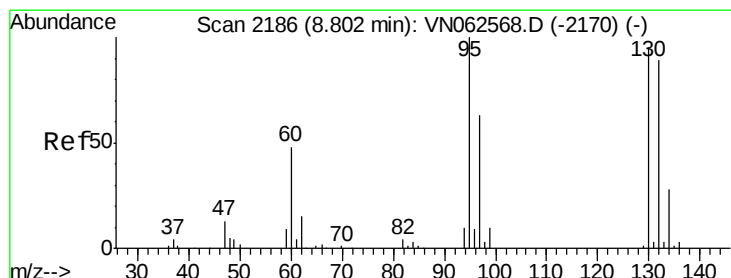
Abundance

Ion 43.00 (42.70 to 43.70): VN062601.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062601.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062601.D (-1883) (-)

Time-->



#44

Trichloroethene

Concen: 19.787 ug/l

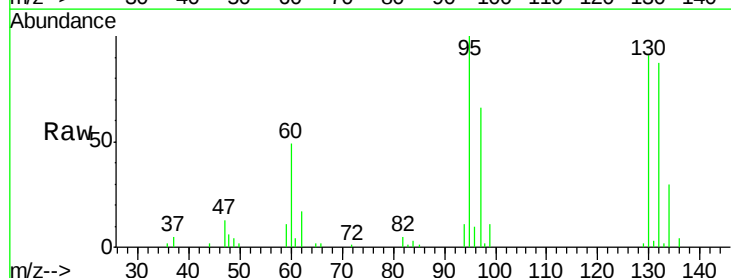
RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

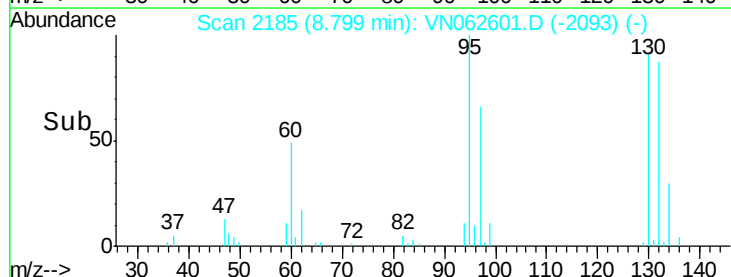
Tgt Ion:	130	Resp:	35167
Ion	Ratio	Lower	Upper
130	100		
95	109.8	0.0	210.4



Abundance Ion 129.80 (129.50 to 130.50): VN062601.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062601.D (-2093) (-)

Time-->

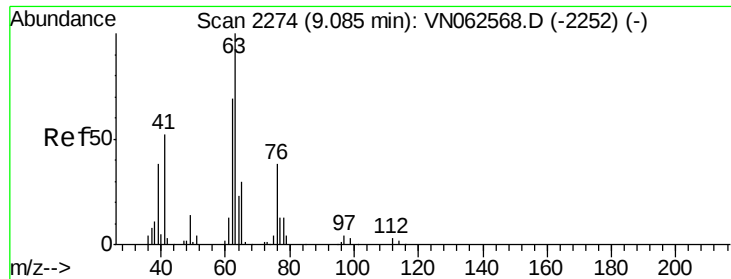


Abundance

Ion 129.80 (129.50 to 130.50): VN062601.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062601.D (-2093) (-)

Time-->



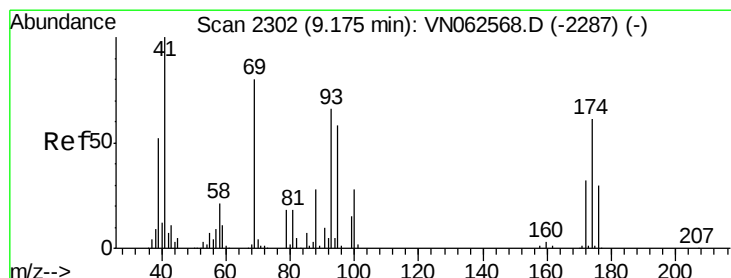
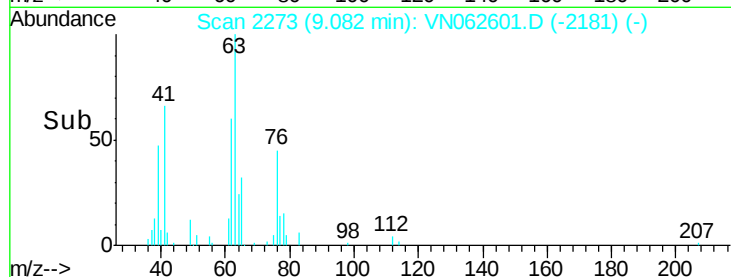
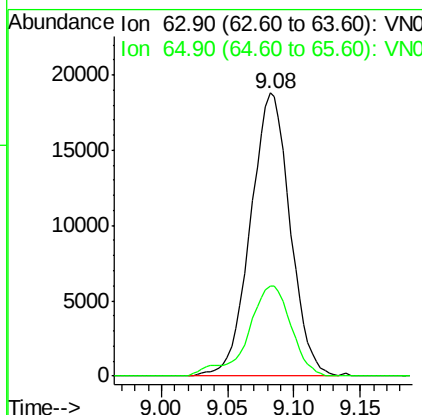
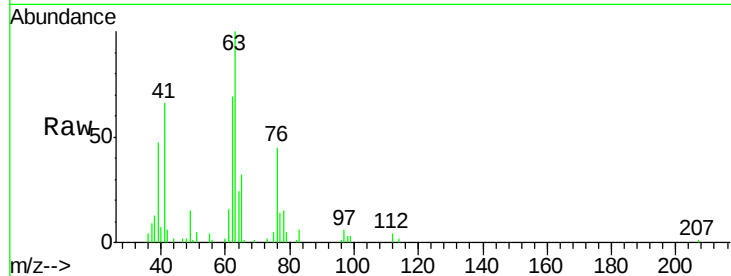
#45
 1,2-Dichloropropane
 Concen: 17.618 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion: 63 Resp: 38985
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.4 36.6

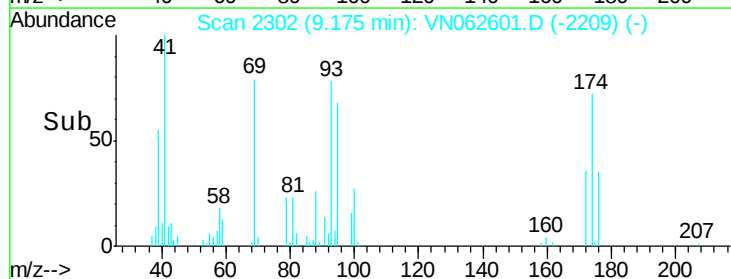
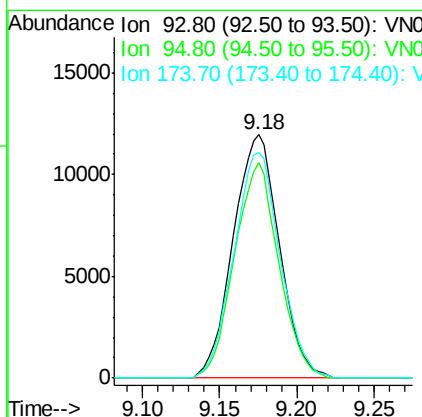
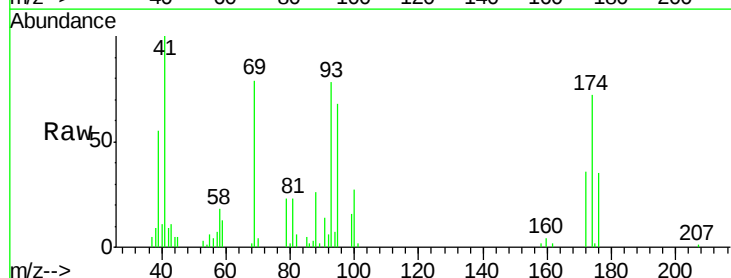
Manual Integrations
 APPROVED

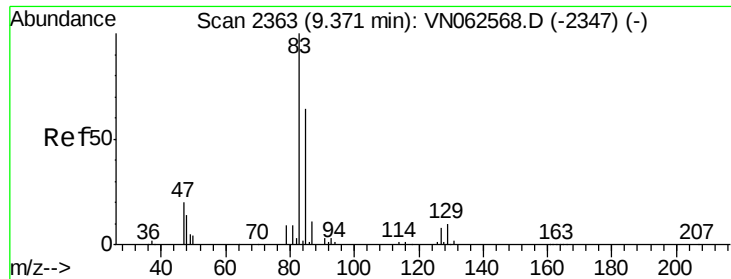
MMDadoda
 7/28/2020 1:46:10 PM



#46
 Dibromomethane
 Concen: 19.396 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion: 93 Resp: 24805
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.6 101.4
 174 93.2 72.5 108.7





#47

Bromodichloromethane

Concen: 20.204 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

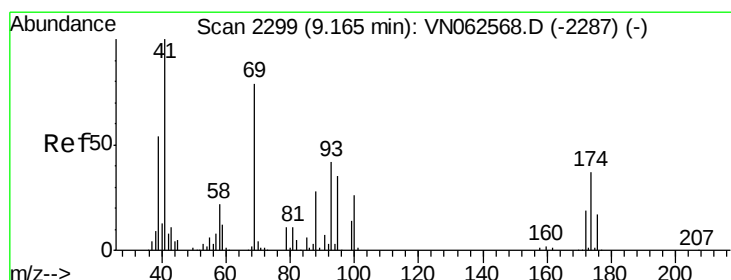
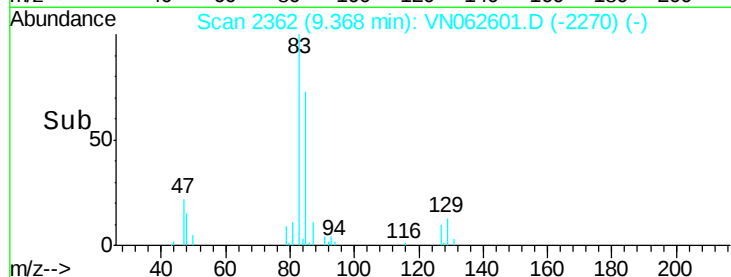
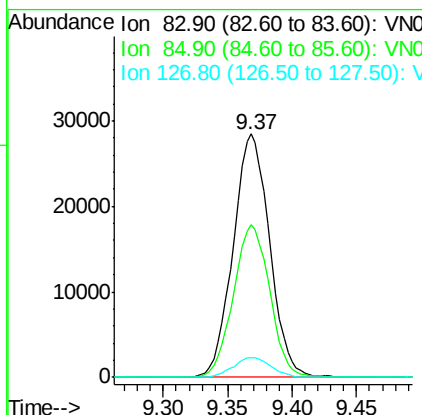
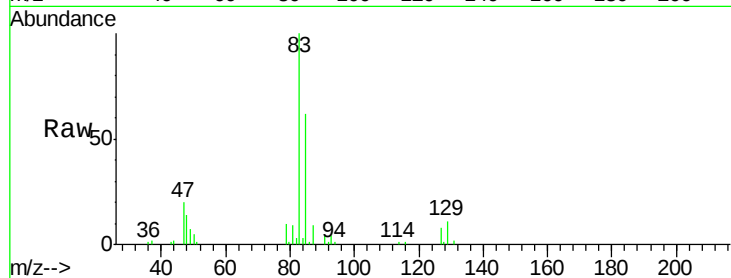
ClientSampleId :

VN0727WBS01

Tot Ion:	83	Resp:	55980
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.6	77.4
127	8.3	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM



#48

Methyl methacrylate

Concen: 18.042 ug/l

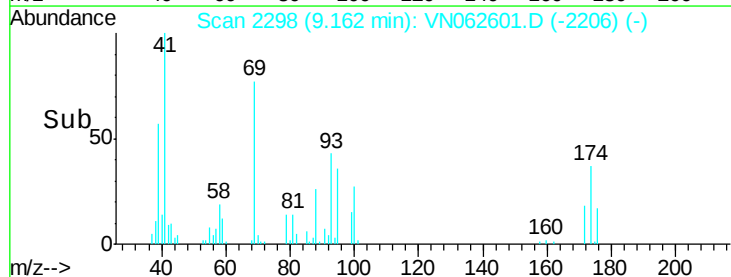
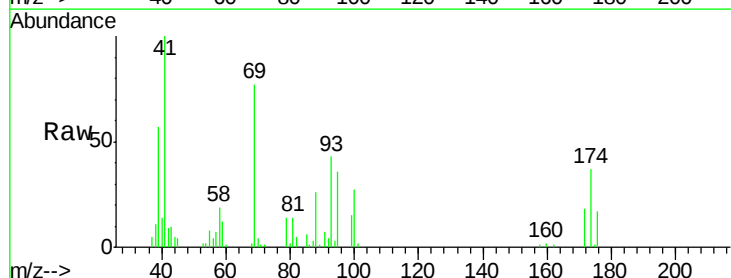
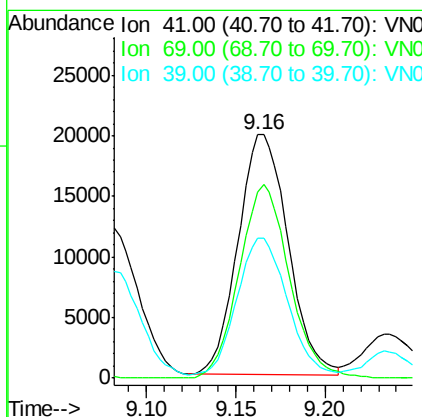
RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Tgt Ion:	41	Resp:	38796
Ion	Ratio	Lower	Upper
41	100		
69	80.9	64.4	96.6
39	57.4	43.5	65.3





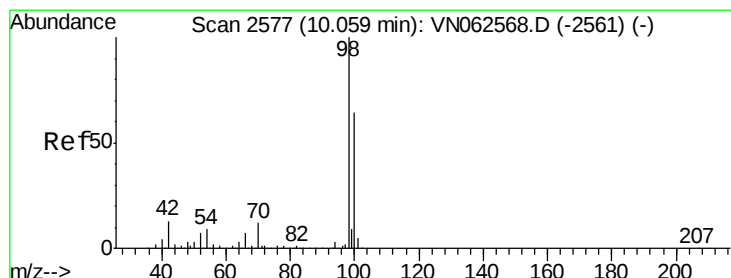
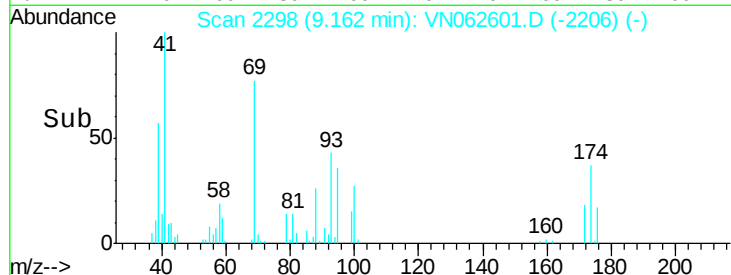
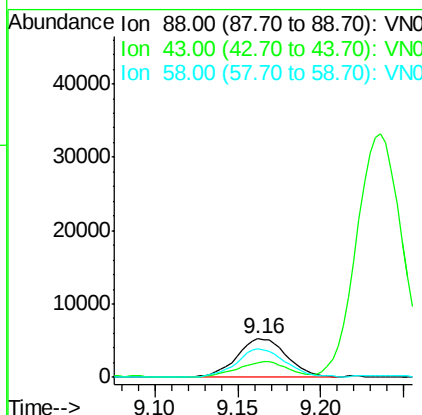
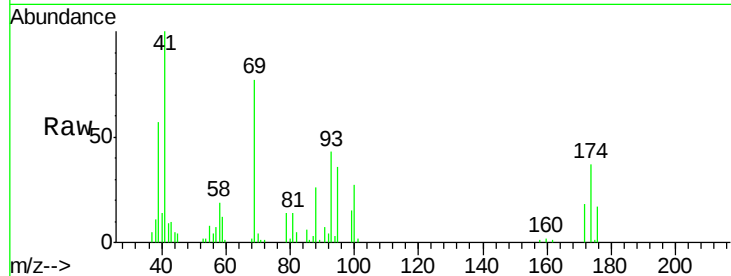
#49
1,4-Dioxane
Concen: 335.847 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	88	Resp	11092
Ion Ratio	Lower	Upper	
88	100		
43	40.6	32.0	48.0
58	72.2	62.8	94.2

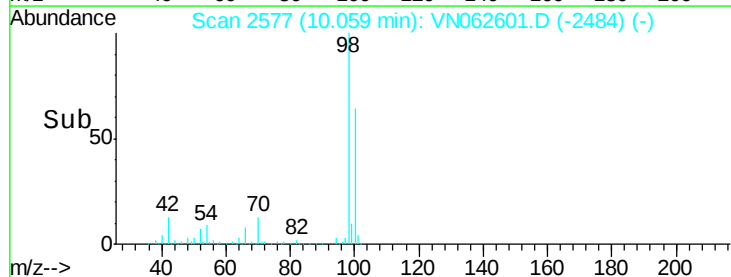
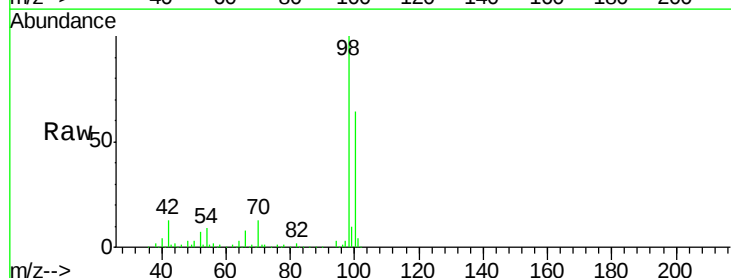
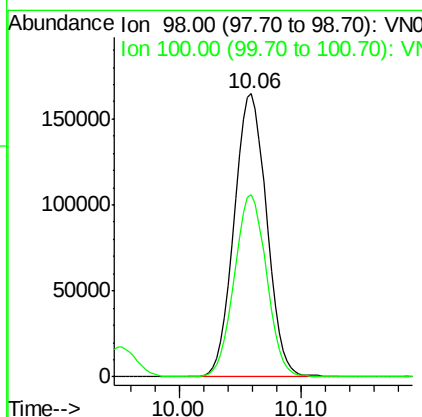
Manual Integrations
APPROVED

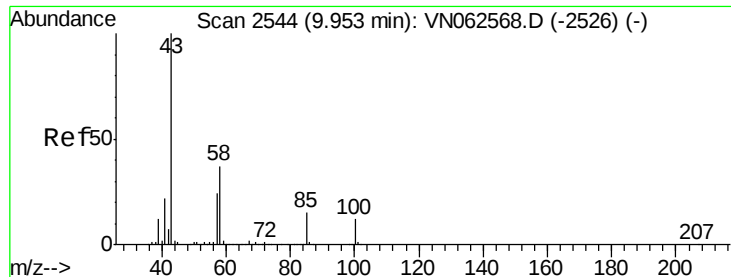
MMDadoda
7/28/2020 1:46:10 PM



#50
Toluene-d8
Concen: 47.617 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	98	Resp	304780
Ion Ratio	Lower	Upper	
98	100		
100	63.6	50.9	76.3





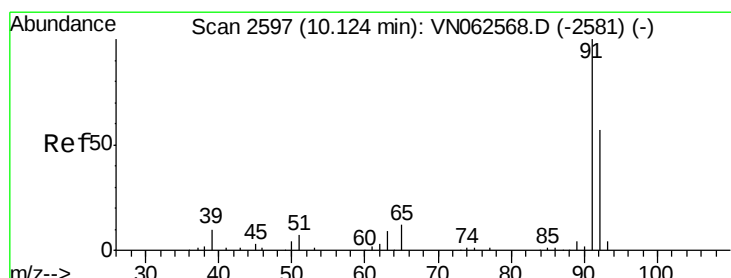
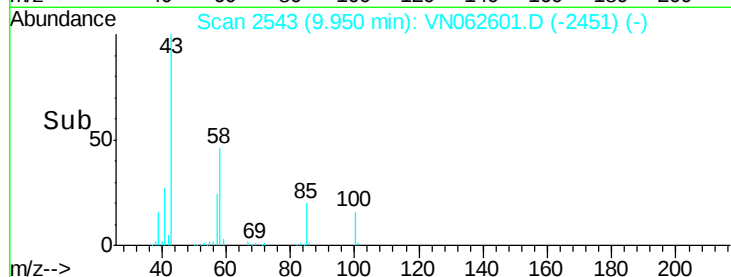
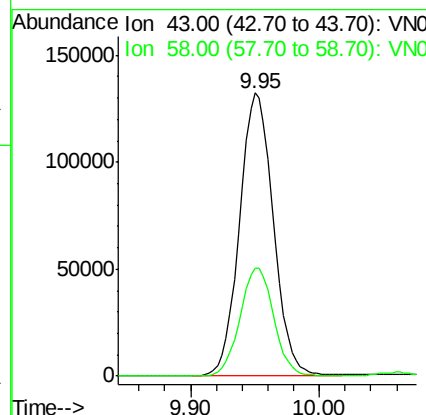
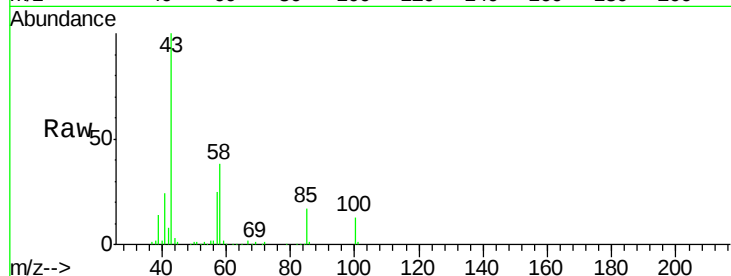
#51
4-Methyl-2-Pentanone
Concen: 89.371 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	43	Resp	241895
Ion Ratio	100	Lower	Upper
58	37.9	29.8	44.6

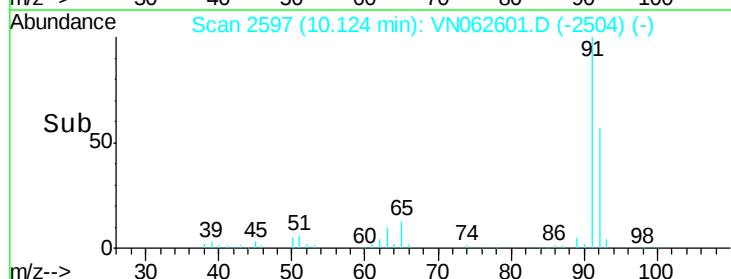
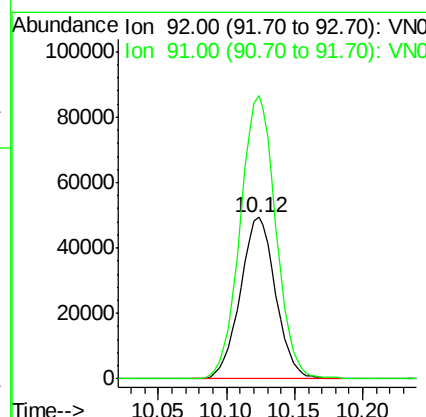
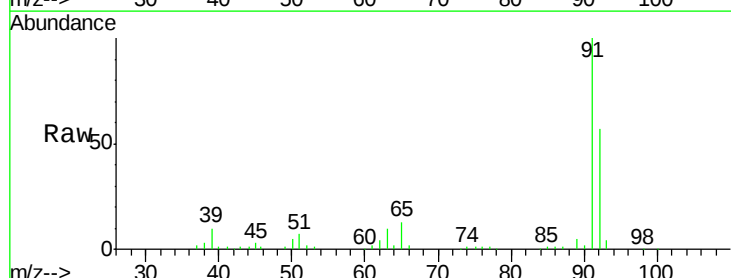
Manual Integrations
APPROVED

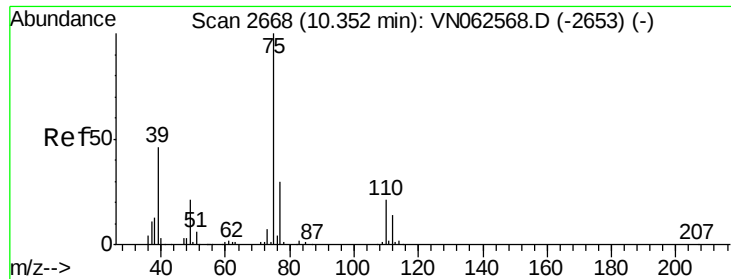
MMDadoda
7/28/2020 1:46:10 PM



#52
Toluene
Concen: 19.397 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	92	Resp	88767
Ion Ratio	100	Lower	Upper
91	177.0	139.4	209.2





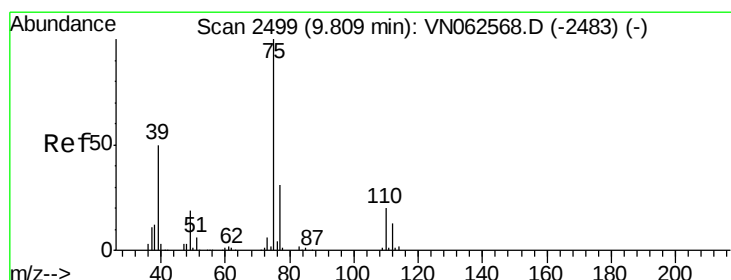
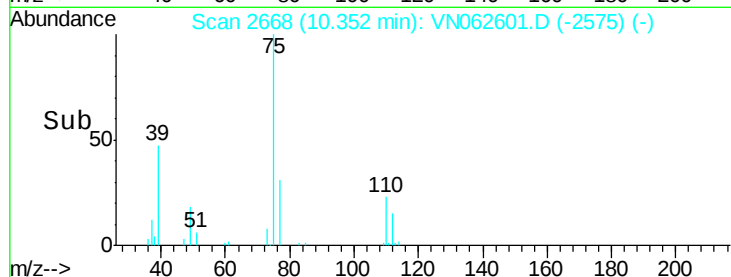
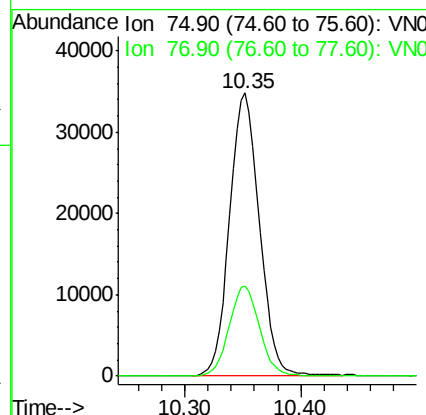
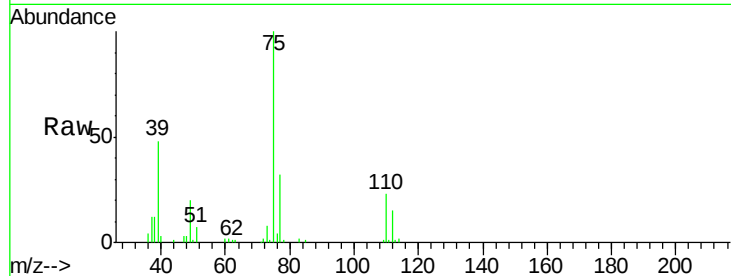
#53
t-1,3-Dichloropropene
Concen: 20.097 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion: 75 Resp: 61987
Ion Ratio Lower Upper
75 100
77 32.0 24.3 36.5

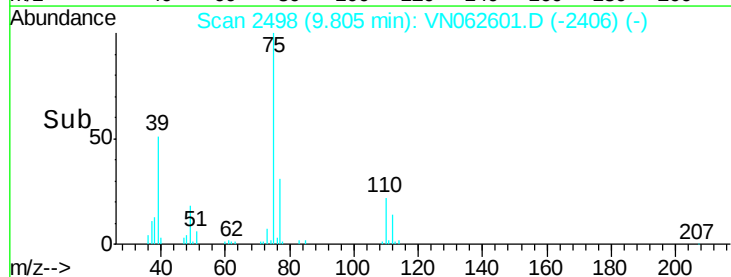
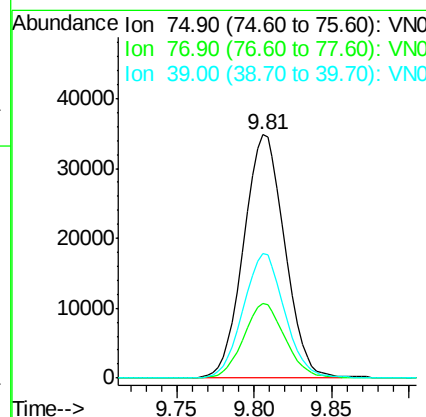
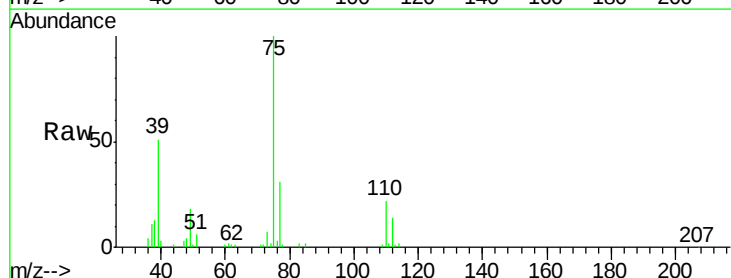
Manual Integrations
APPROVED

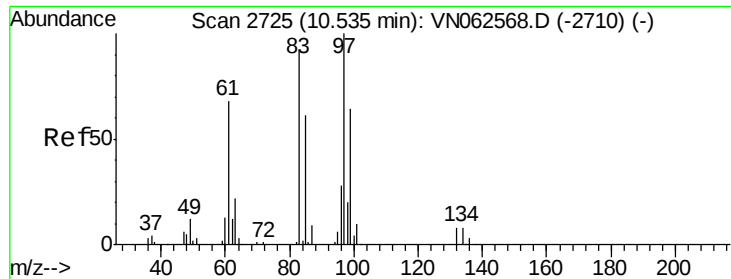
MMDadoda
7/28/2020 1:46:10 PM



#54
cis-1,3-Dichloropropene
Concen: 19.484 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion: 75 Resp: 64484
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6
39 51.2 39.8 59.8





#55

1,1,2-Trichloroethane

Concen: 20.030 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

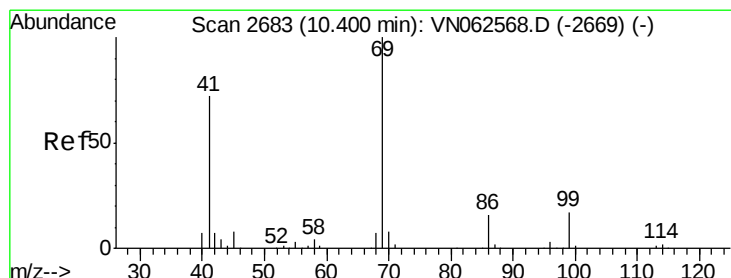
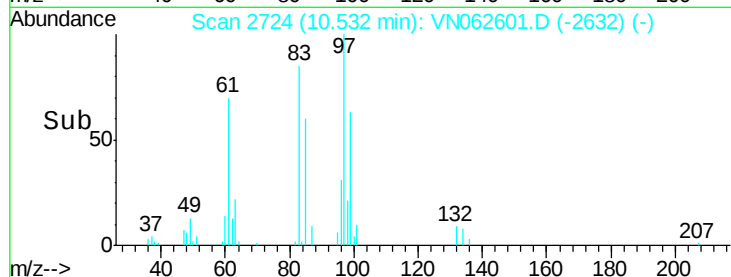
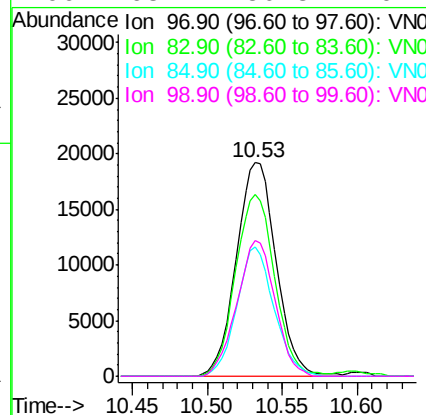
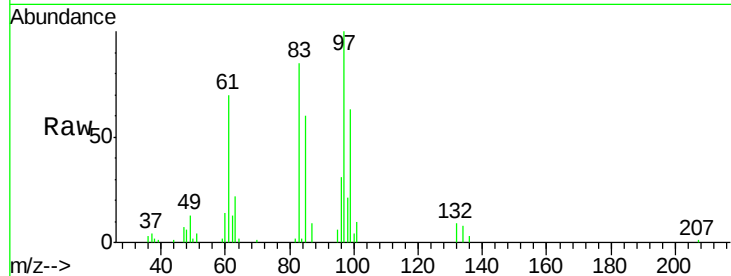
ClientSampleId :

VN0727WBS01

Tot Ion:	97	Resp:	35554
Ion	Ratio	Lower	Upper
97	100		
83	84.9	73.7	110.5
85	60.4	48.5	72.7
99	63.4	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM



#56

Ethyl methacrylate

Concen: 17.945 ug/l

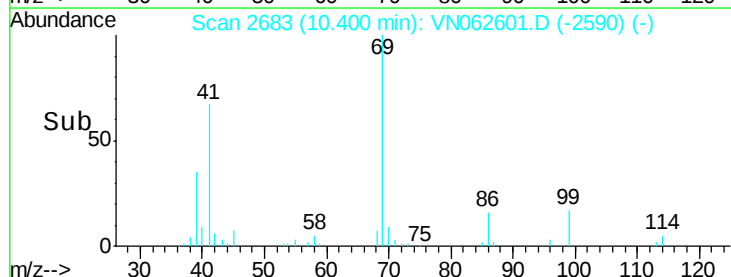
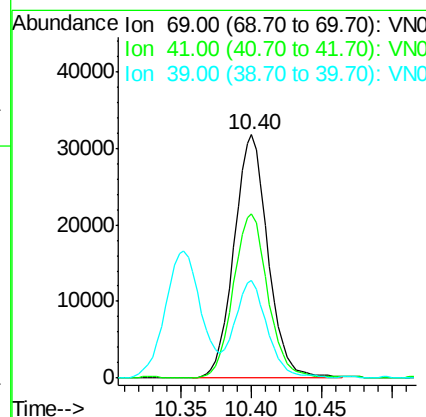
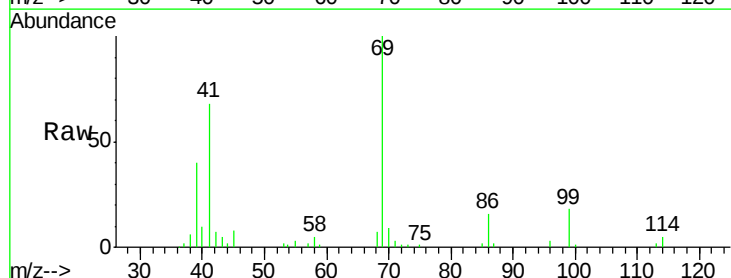
RT: 10.40 min Scan# 2683

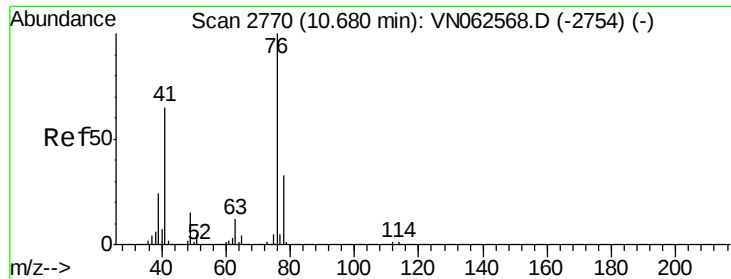
Delta R.T. 0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Tgt Ion:	69	Resp:	53449
Ion	Ratio	Lower	Upper
69	100		
41	69.4	57.2	85.8
39	38.9	28.6	43.0





#57

1,3-Dichloropropane

Concen: 19.039 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 76 Resp: 61913

Ion Ratio Lower Upper

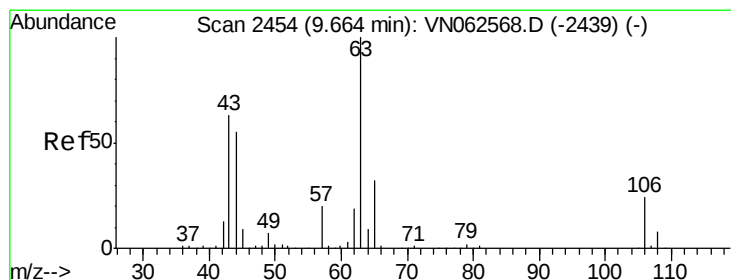
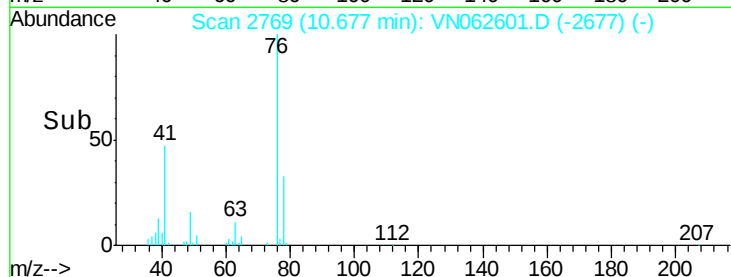
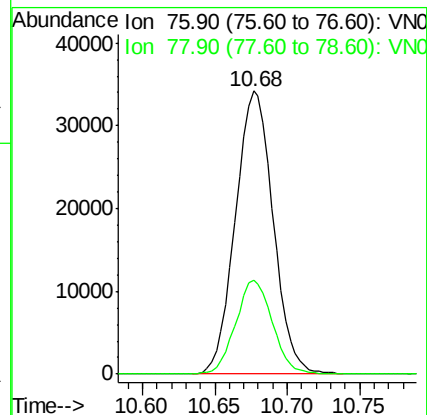
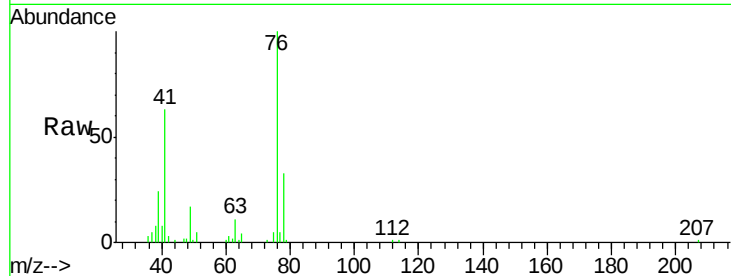
76 100

78 32.3 26.3 39.5

Manual Integrations
APPROVED

MMDadoda

7/28/2020 1:46:10 PM



#58

2-Chloroethyl Vinyl ether

Concen: 90.196 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN062601.D

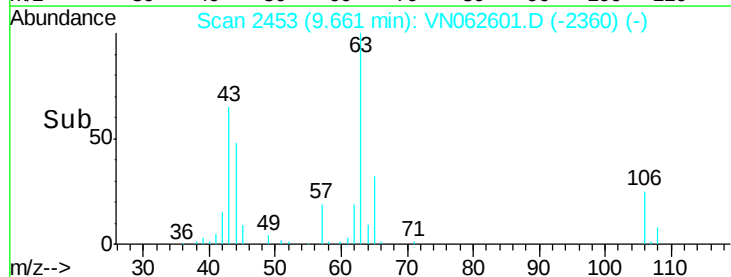
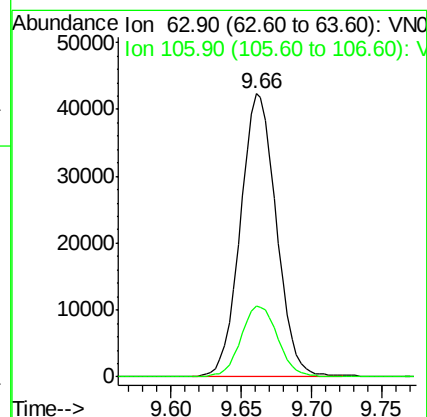
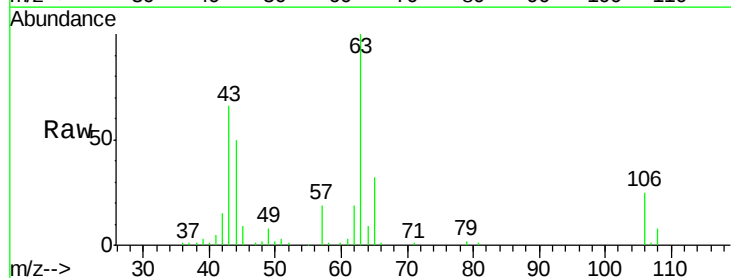
Acq: 27 Jul 2020 16:19

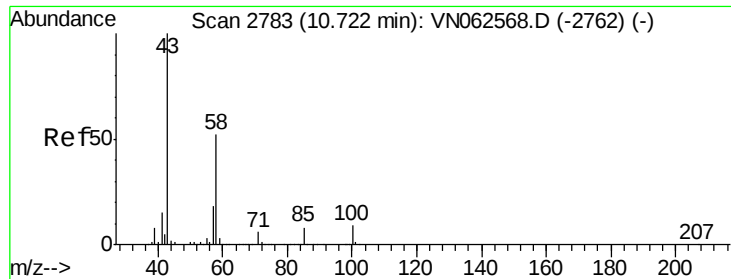
Tgt Ion: 63 Resp: 75660

Ion Ratio Lower Upper

63 100

106 25.6 18.9 28.3





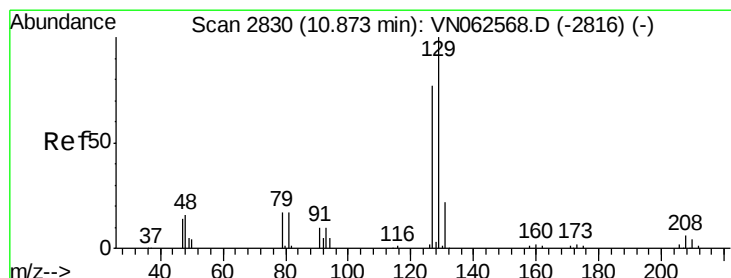
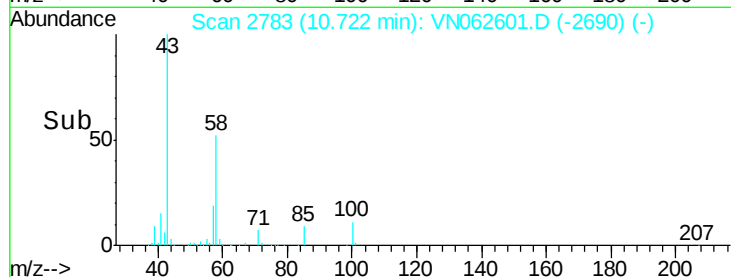
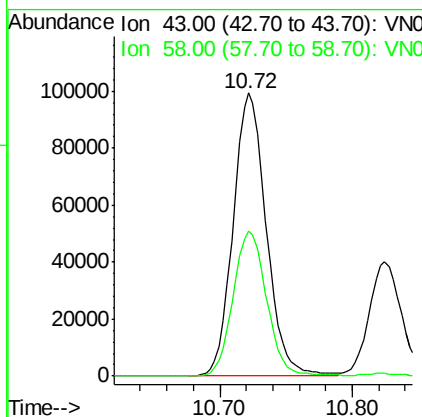
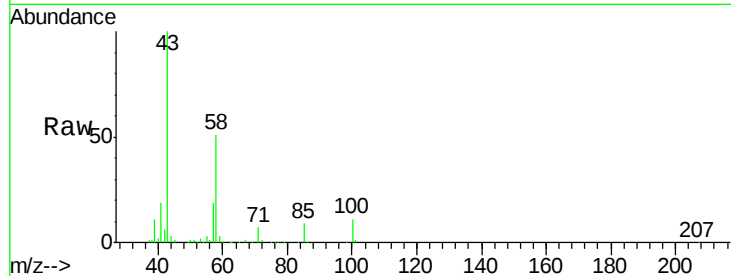
#59
2-Hexanone
Concen: 84.362 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion: 43 Resp: 172437
Ion Ratio Lower Upper
43 100
58 51.9 26.0 78.0

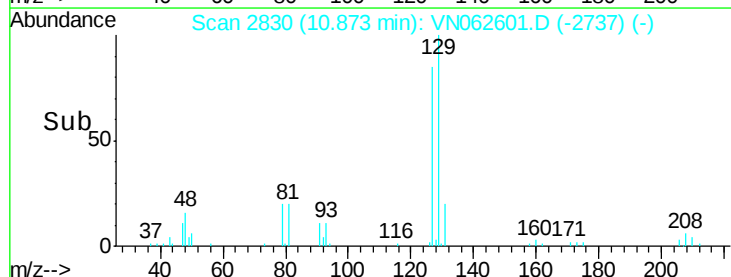
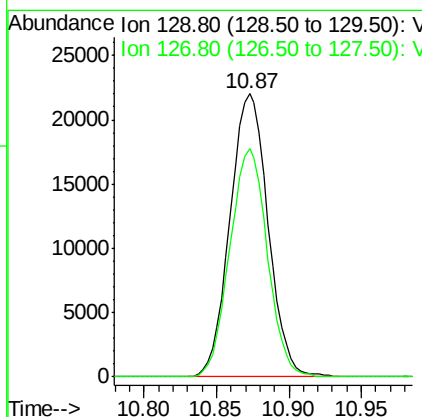
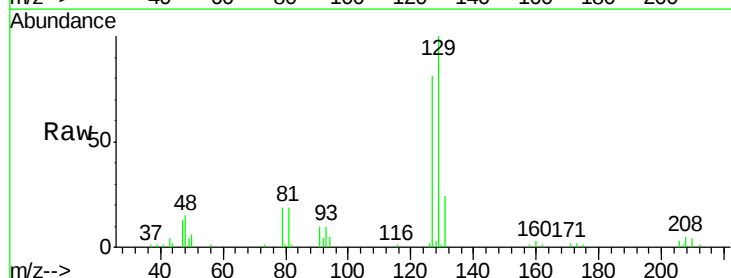
Manual Integrations
APPROVED

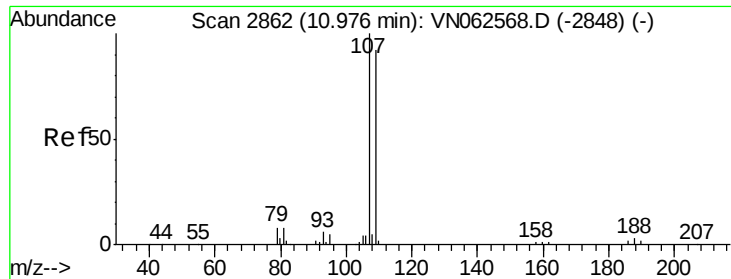
MMDadoda
7/28/2020 1:46:10 PM



#60
Dibromochloromethane
Concen: 20.318 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion: 129 Resp: 40235
Ion Ratio Lower Upper
129 100
127 79.2 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.514 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:107 Resp: 36069

Ion Ratio Lower Upper

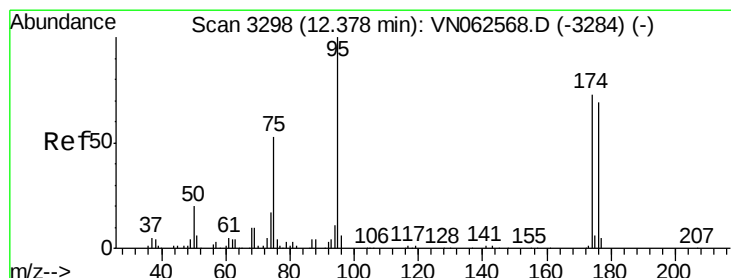
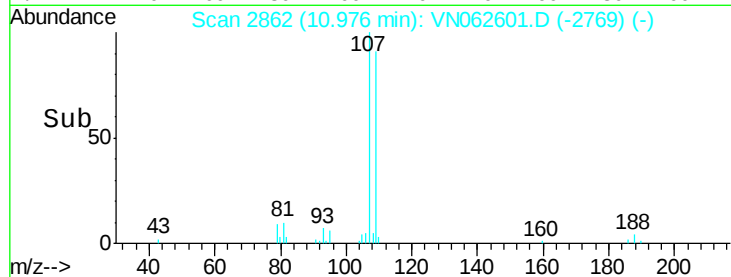
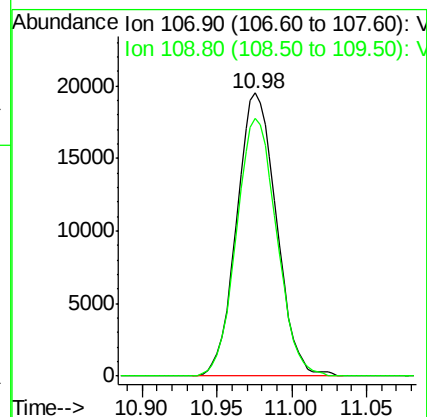
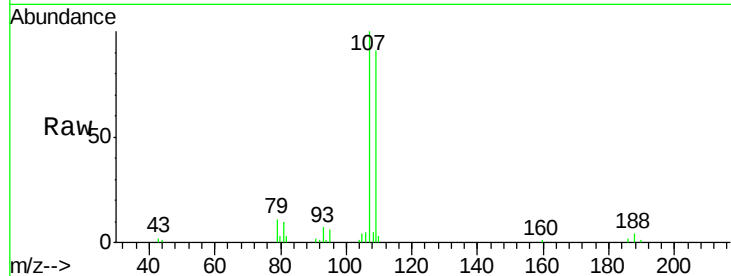
107 100

109 92.0 73.8 110.6

Manual Integrations
APPROVED

MMDadoda

7/28/2020 1:46:10 PM



#62

4-Bromofluorobenzene

Concen: 48.434 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

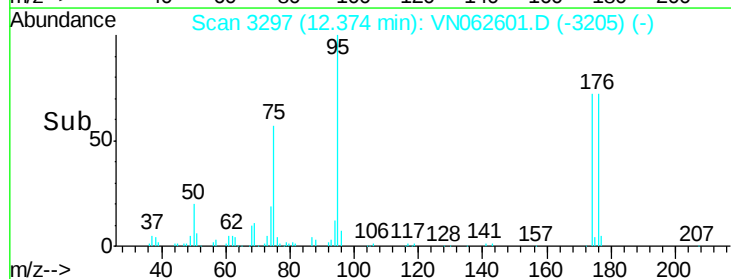
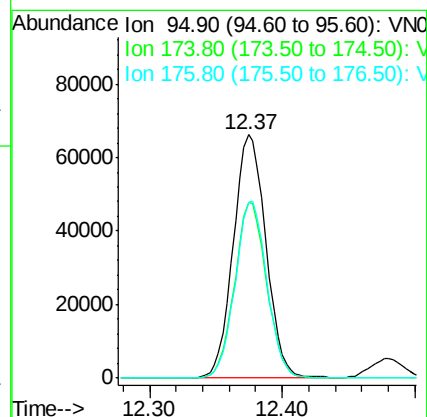
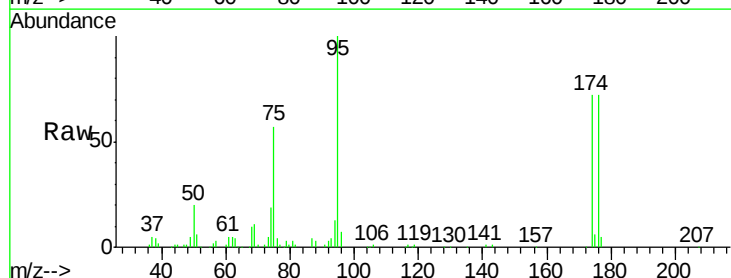
Tgt Ion: 95 Resp: 113353

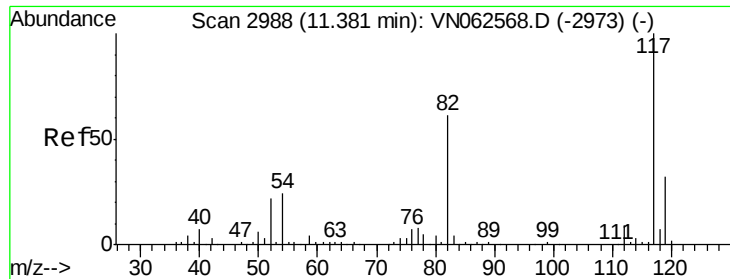
Ion Ratio Lower Upper

95 100

174 70.8 0.0 144.6

176 70.6 0.0 139.4





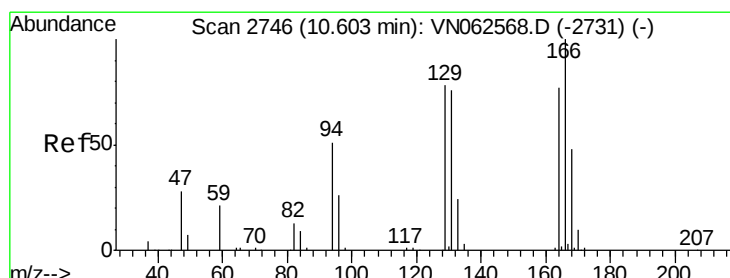
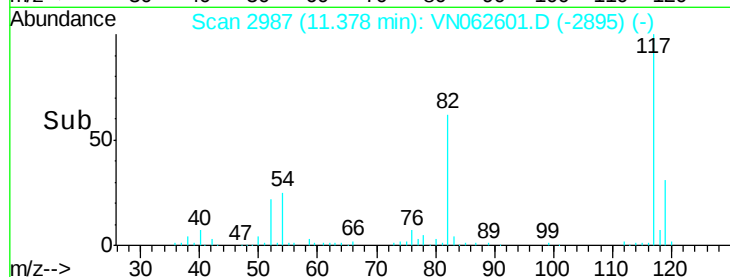
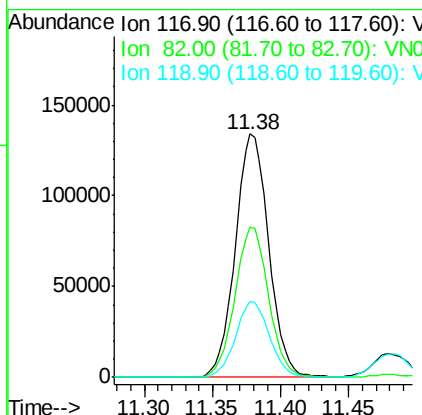
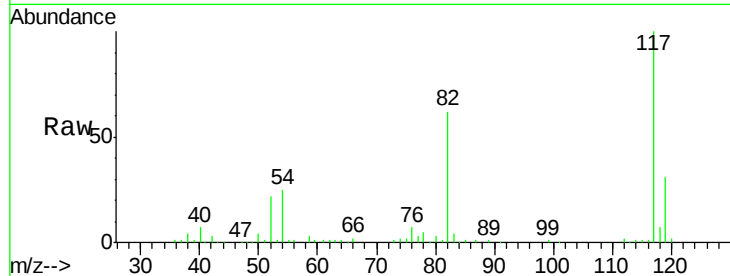
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	49.0	73.6
119	31.2	25.4	38.2

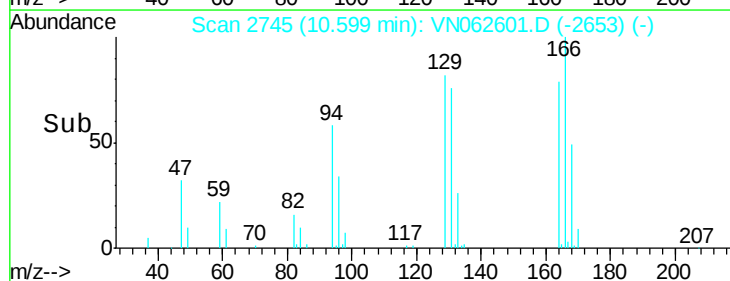
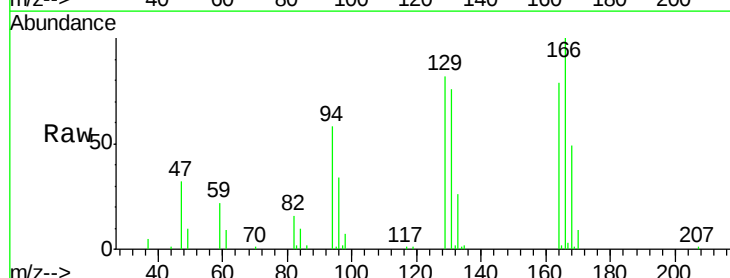
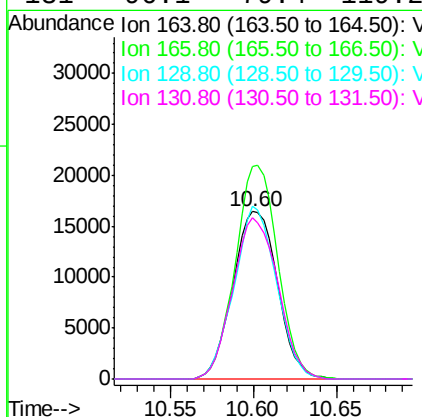
Manual Integrations
APPROVED

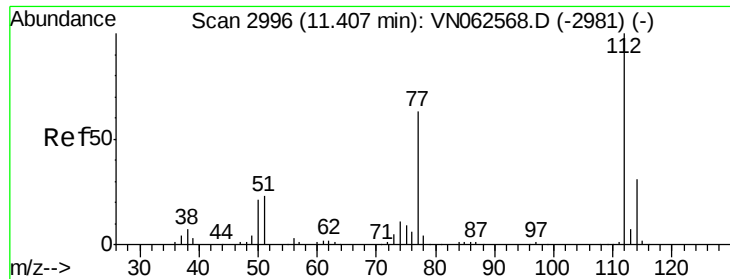
MMDadoda
7/28/2020 1:46:10 PM



#64
Tetrachloroethene
Concen: 20.846 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.4	156.6
129	103.5	81.0	121.4
131	96.1	79.4	119.2





#65

Chlorobenzene

Concen: 19.663 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:112 Resp: 93908

Ion Ratio Lower Upper

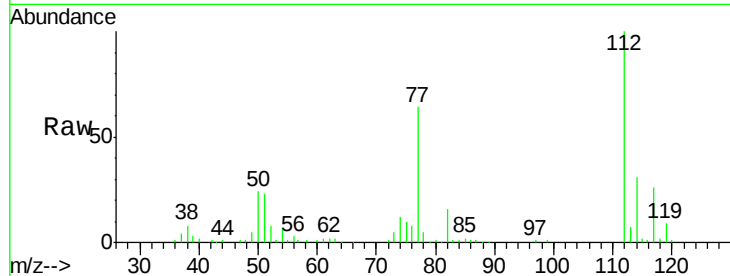
112 100

114 31.0 25.1 37.7

Manual Integrations
APPROVED

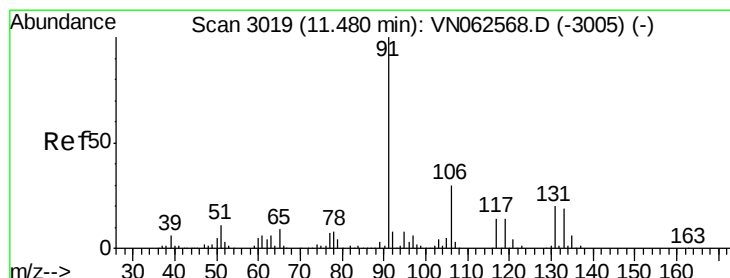
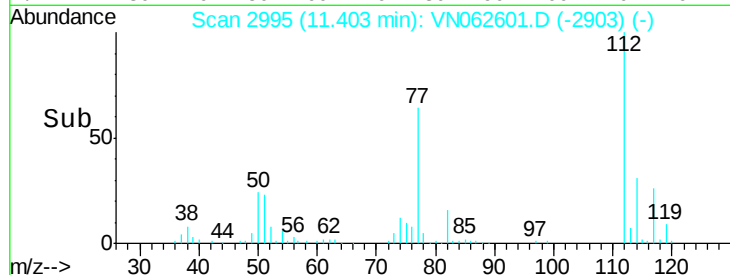
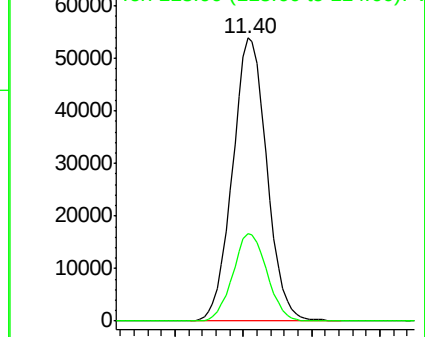
MMDadoda

7/28/2020 1:46:10 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.210 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

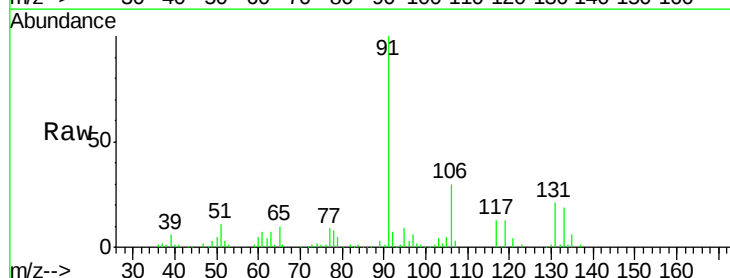
Tgt Ion:131 Resp: 36311

Ion Ratio Lower Upper

131 100

133 93.2 47.3 142.0

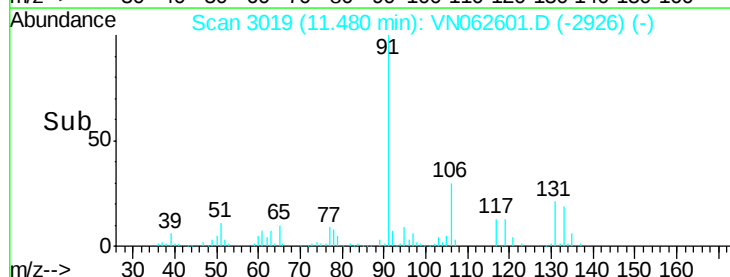
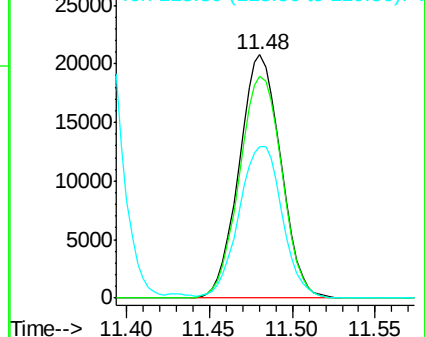
119 64.9 33.7 101.0

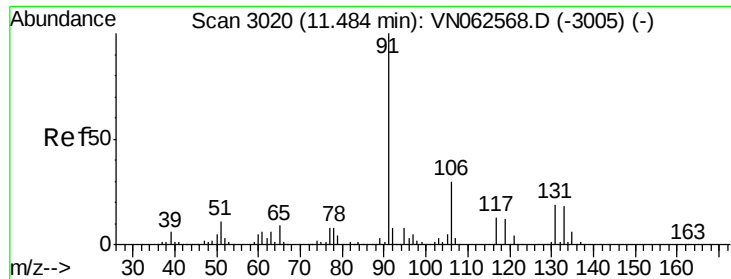


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





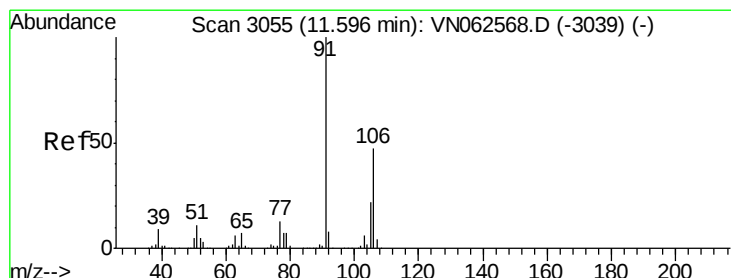
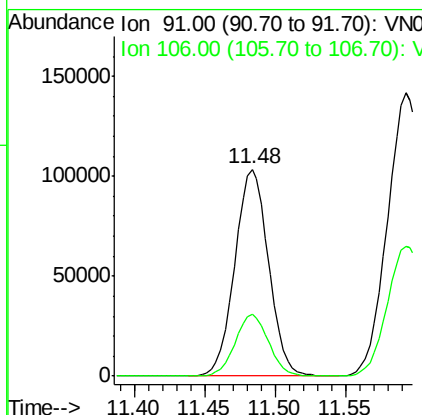
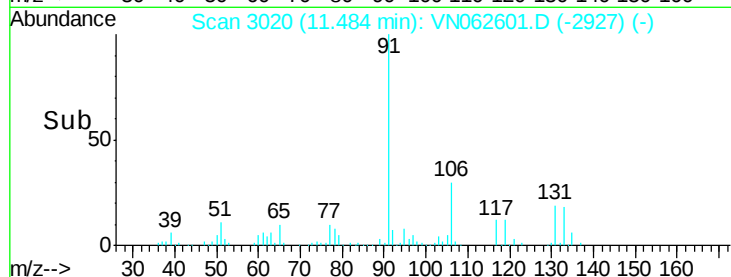
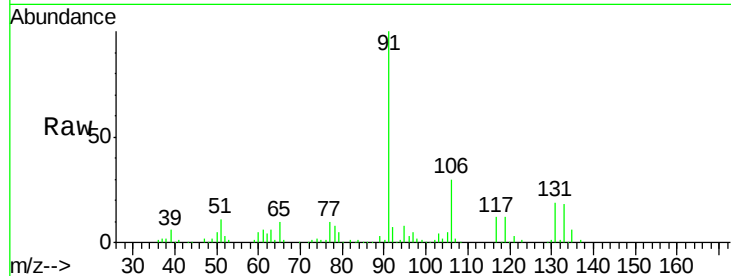
#67
Ethyl Benzene
Concen: 19.859 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS01

Tot Ion: 91 Resp: 173901
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

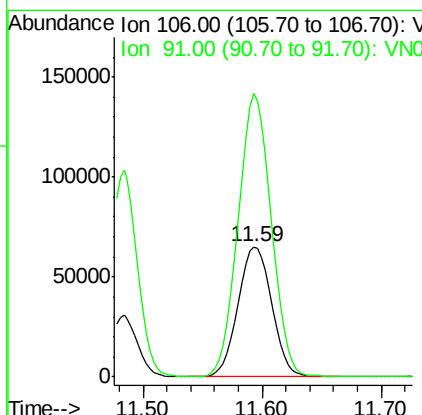
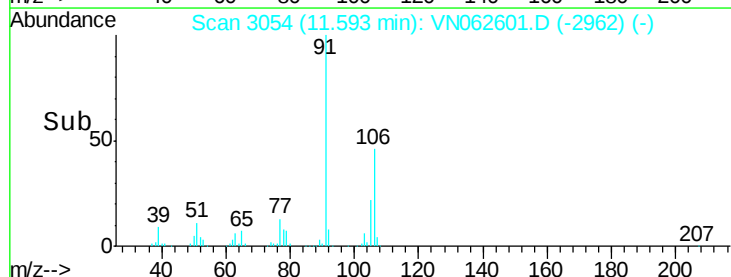
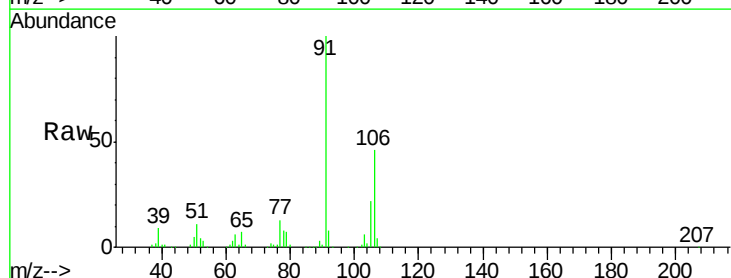
Manual Integrations
APPROVED

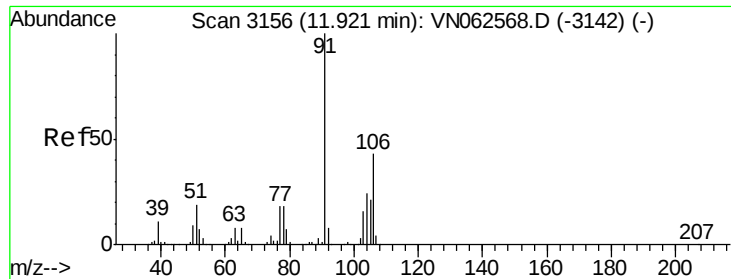
MMDadoda
7/28/2020 1:46:10 PM



#68
m/p-Xylenes
Concen: 40.649 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion: 106 Resp: 127938
Ion Ratio Lower Upper
106 100
91 212.7 171.4 257.2





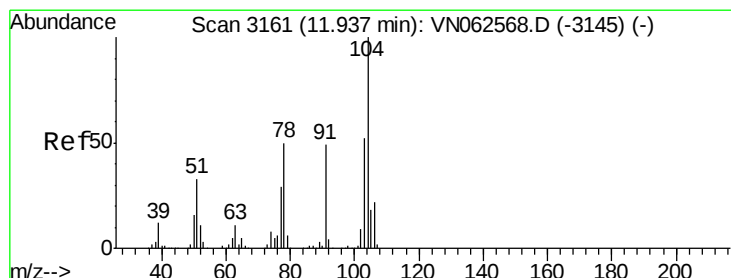
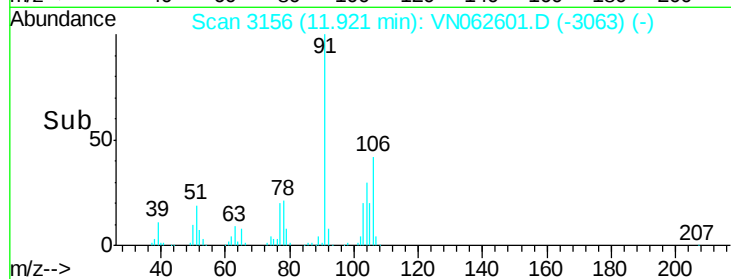
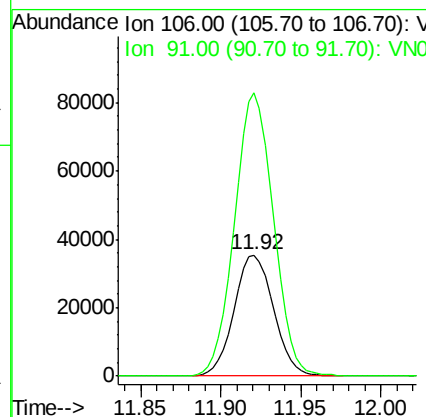
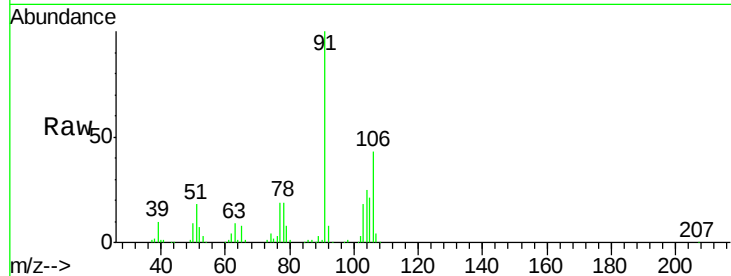
#69
o-Xylene
Concen: 19.891 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		59448		
91	231.3	113.8	341.2		

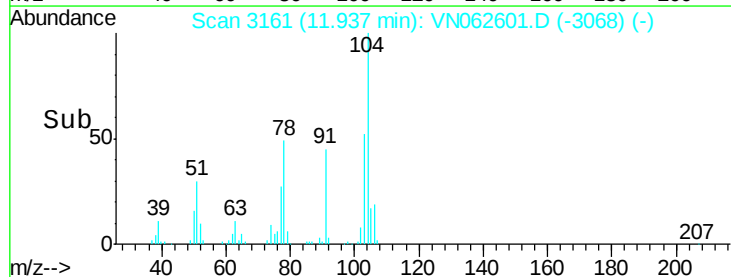
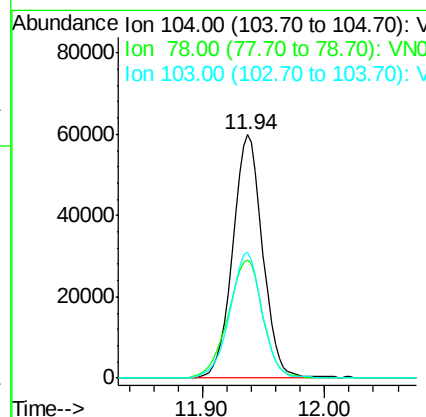
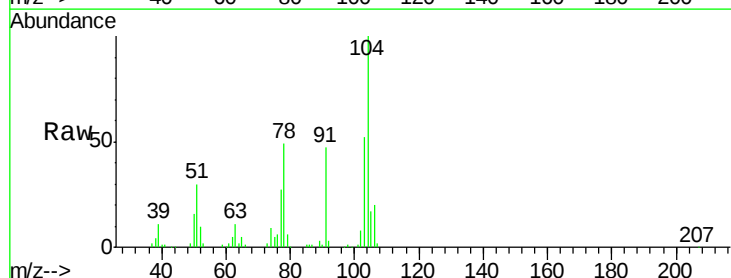
Manual Integrations
APPROVED

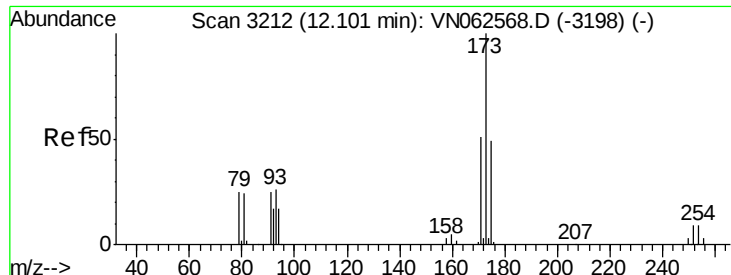
MMDadoda
7/28/2020 1:46:10 PM



#70
Styrene
Concen: 20.306 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		102518		
78	56.2	43.8	65.6		
103	55.5	44.0	66.0		





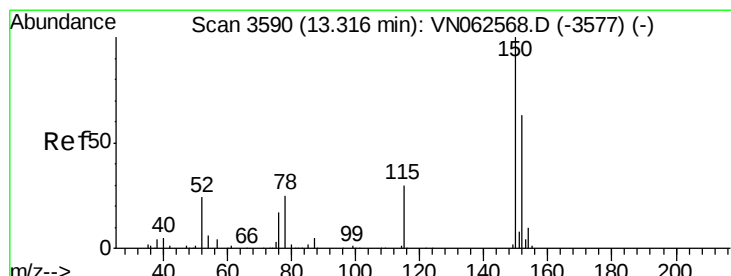
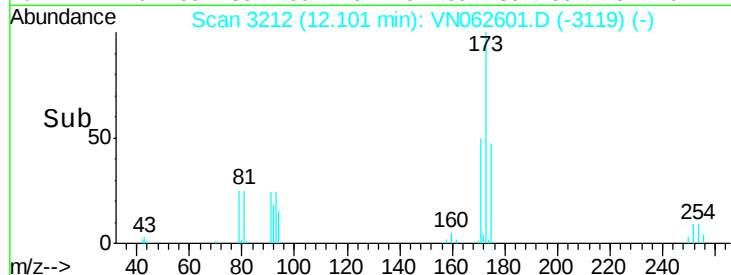
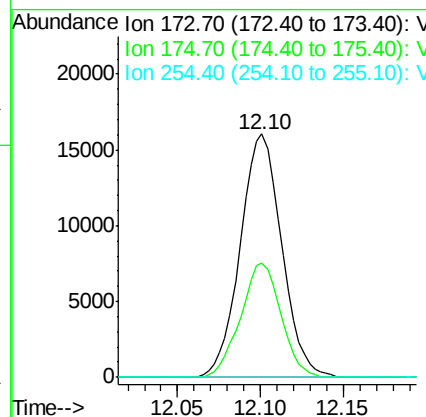
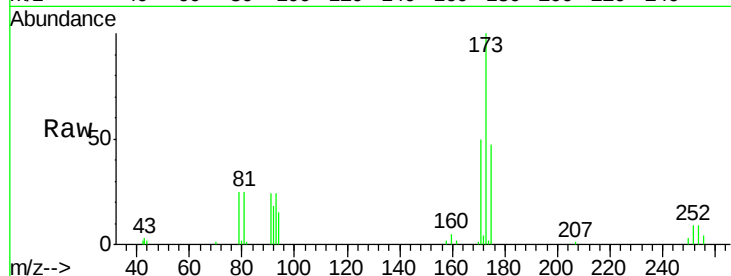
#71
Bromoform
Concen: 20.693 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.1	72.2
254	0.0	0.0	0.0

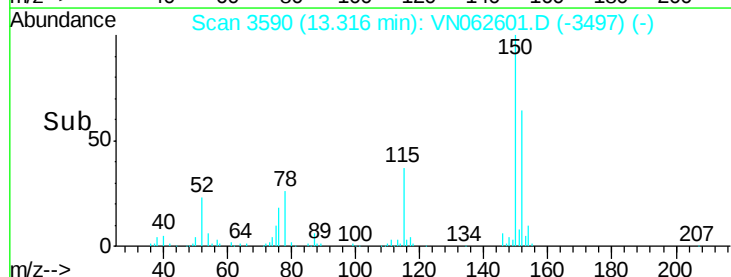
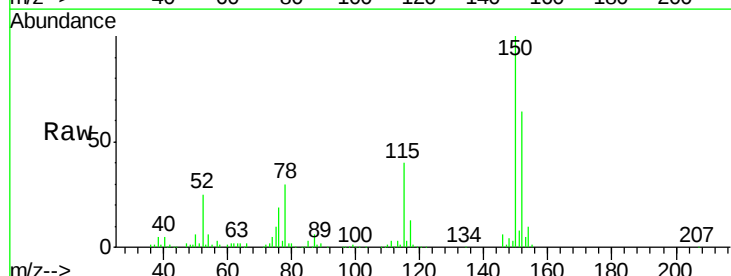
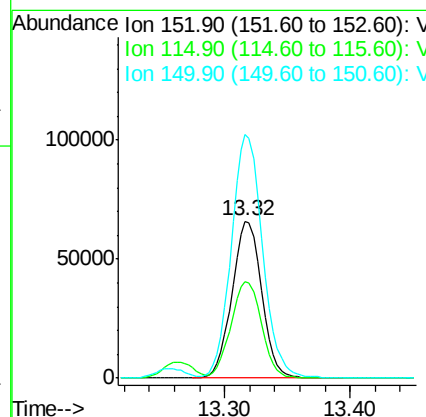
Manual Integrations
APPROVED

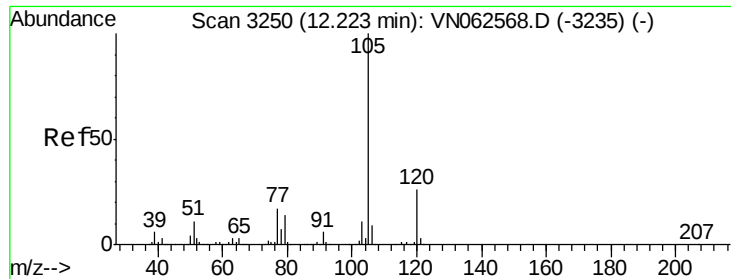
MMDadoda
7/28/2020 1:46:10 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.8	95.4
150	163.4	0.0	351.4





#73

Isopropylbenzene

Concen: 19.363 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 105 Resp: 166175

Ion Ratio Lower Upper

105 100

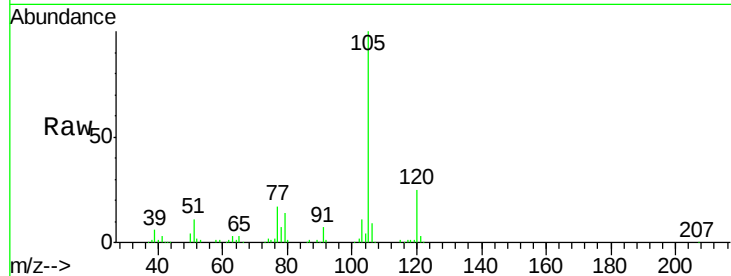
120 24.6 12.8 38.4

Manual Integrations

APPROVED

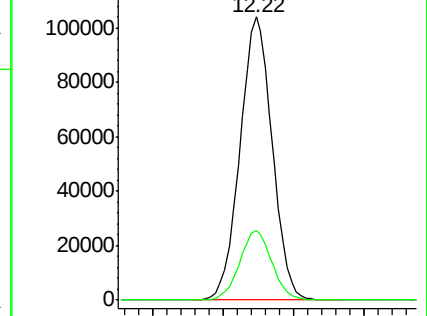
MMDadoda

7/28/2020 1:46:10 PM

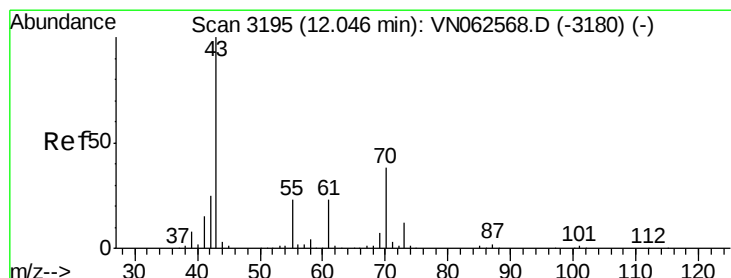
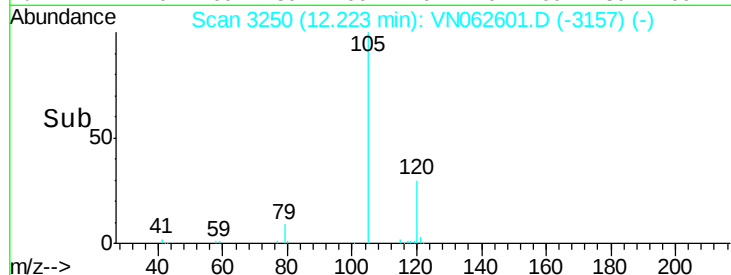


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 16.972 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Tgt Ion: 43 Resp: 65045

Ion Ratio Lower Upper

43 100

70 40.0 30.5 45.7

55 25.4 19.0 28.6

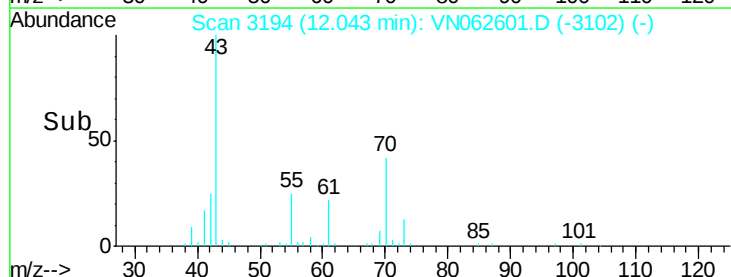
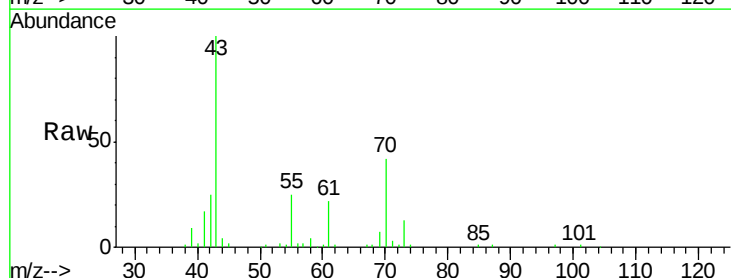
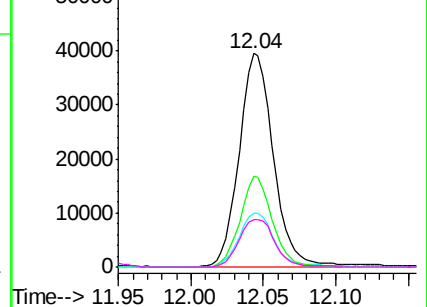
61 23.3 18.4 27.6

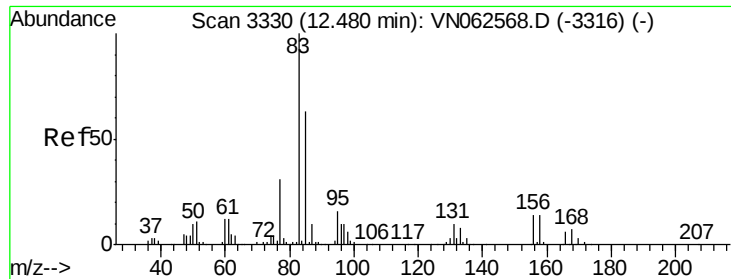
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.617 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

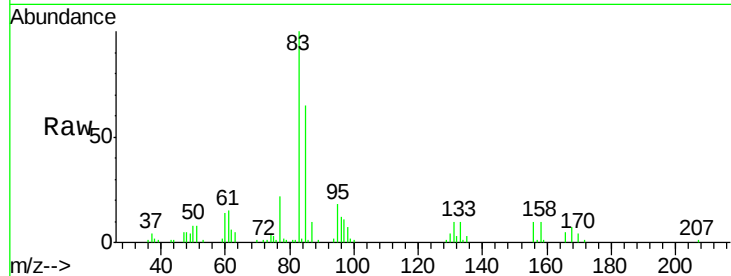
ClientSampleId :

VN0727WBS01

Tot Ion:	83	Resp:	49556
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.8	14.3
85	64.9	31.8	95.4

Manual Integrations
APPROVED

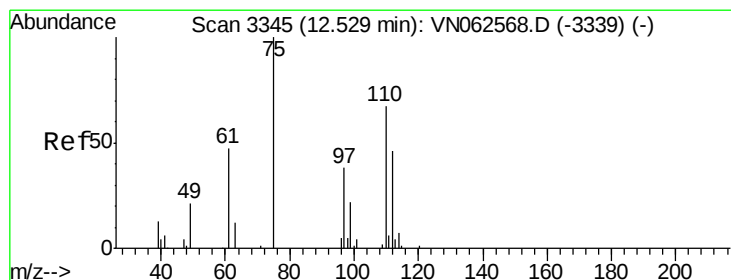
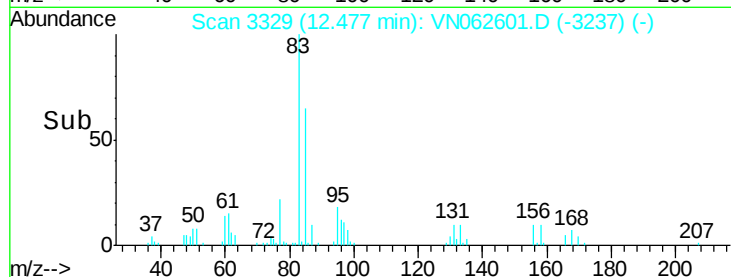
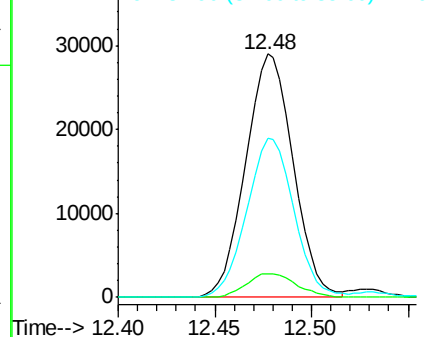
MMDadoda
7/28/2020 1:46:10 PM



Abundance Ion 82.90 (82.60 to 83.60): VN062601.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062601.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062601.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 17.565 ug/l m

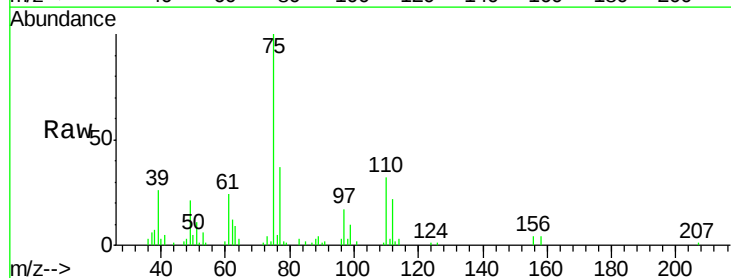
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062601.D

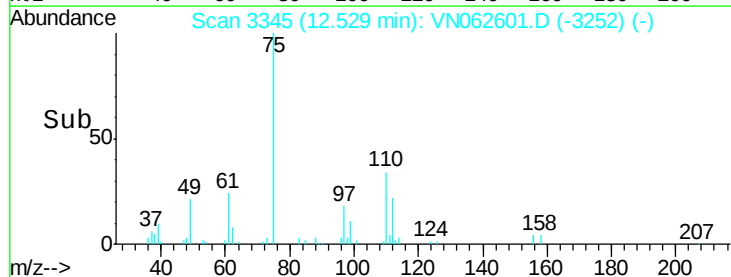
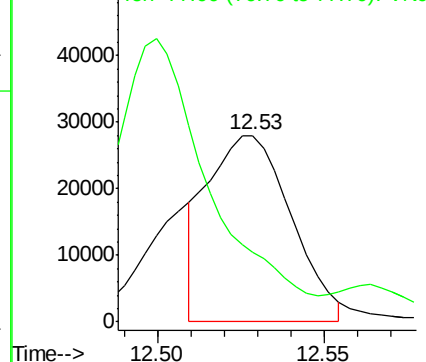
Acq: 27 Jul 2020 16:19

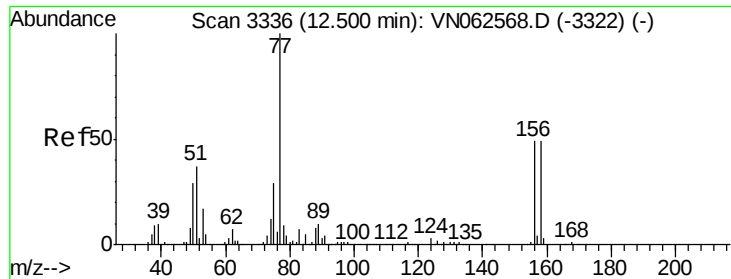
Tgt Ion:	75	Resp:	48526
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062601.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062601.D (-3252) (-)





#77

Bromobenzene

Concen: 18.951 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

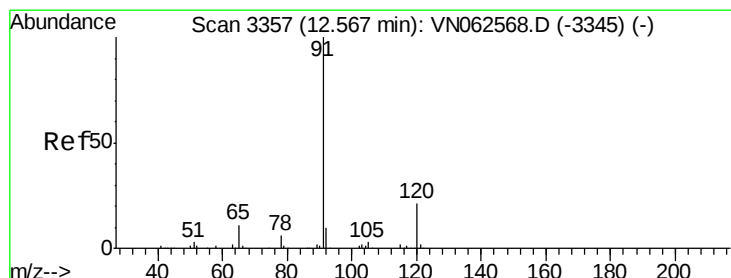
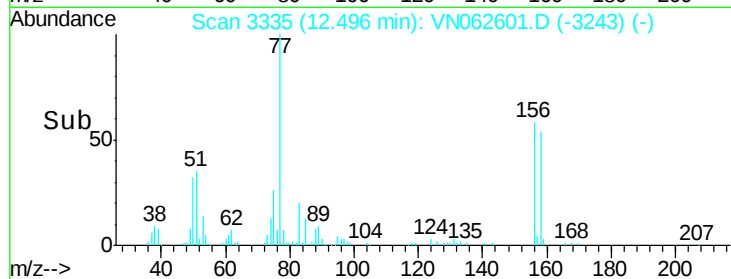
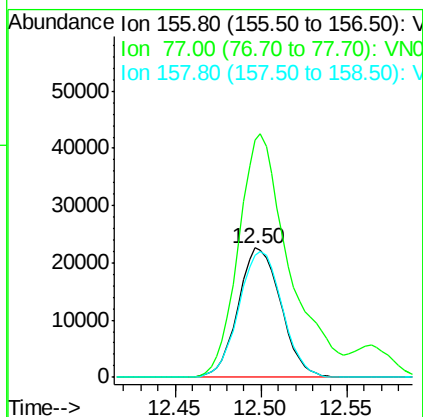
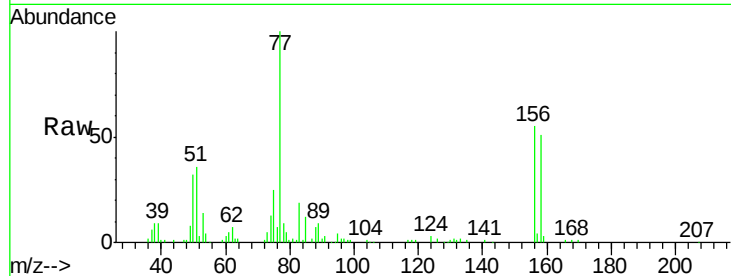
ClientSampleId :

VN0727WBS01

Tot Ion	156	Resp	39085
Ion Ratio	Lower	Upper	
156	100		
77	223.0	122.8	368.3
158	98.3	49.4	148.0

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM



#78

n-propylbenzene

Concen: 19.195 ug/l

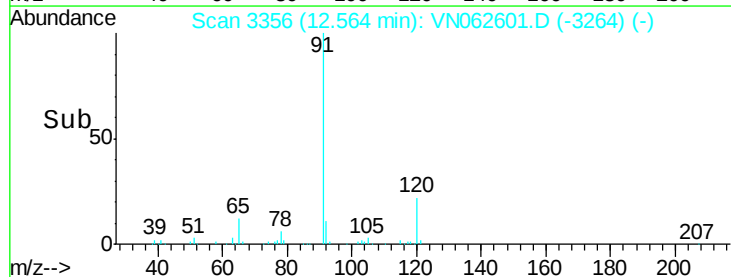
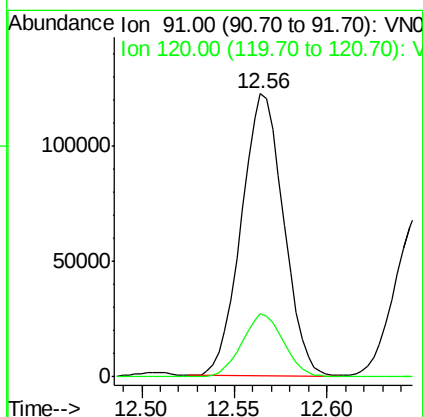
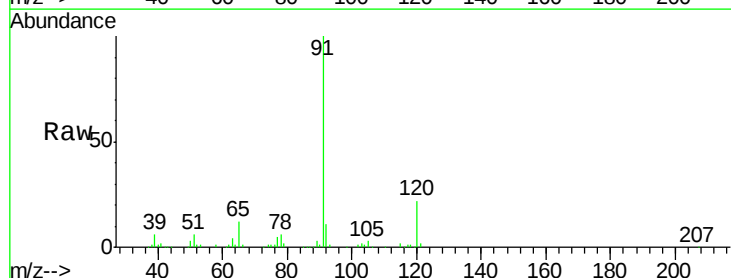
RT: 12.56 min Scan# 3356

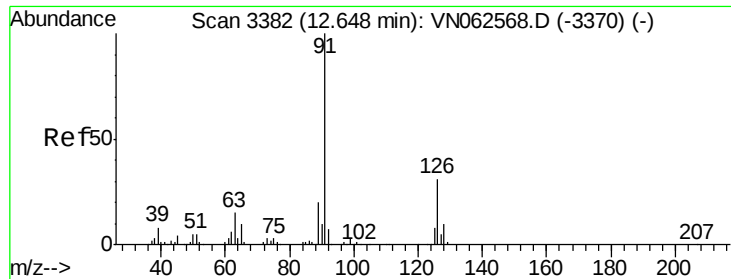
Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Tgt Ion	91	Resp	192963
Ion Ratio <td>Lower <td>Upper <td></td> </td></td>	Lower <td>Upper <td></td> </td>	Upper <td></td>	
91	100		
120	22.0	10.9	32.6





#79

2-Chlorotoluene

Concen: 18.936 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 91 Resp: 117313

Ion Ratio Lower Upper

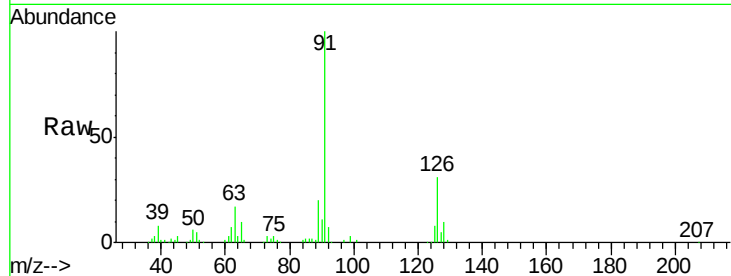
91 100

126 31.9 15.9 47.6

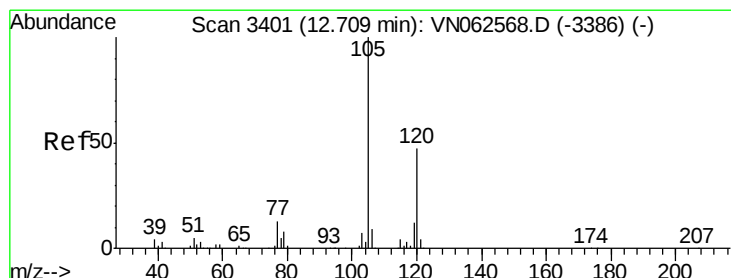
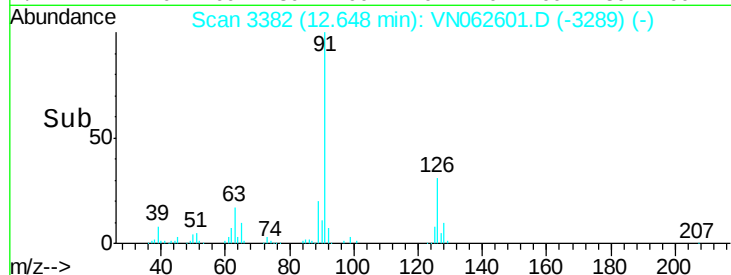
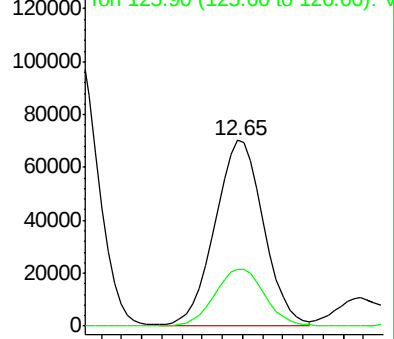
Manual Integrations
APPROVED

MMDadoda

7/28/2020 1:46:10 PM



Abundance Ion 91.00 (90.70 to 91.70): VN062601.D (-3289) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.169 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062601.D

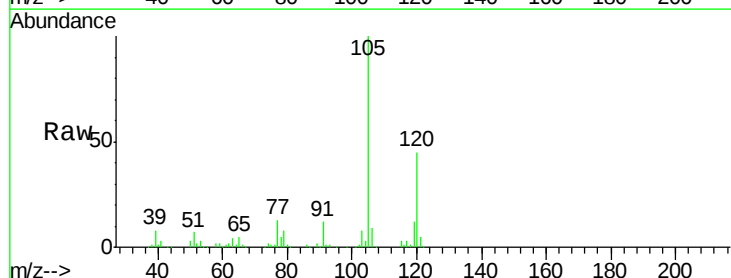
Acq: 27 Jul 2020 16:19

Tgt Ion: 105 Resp: 143580

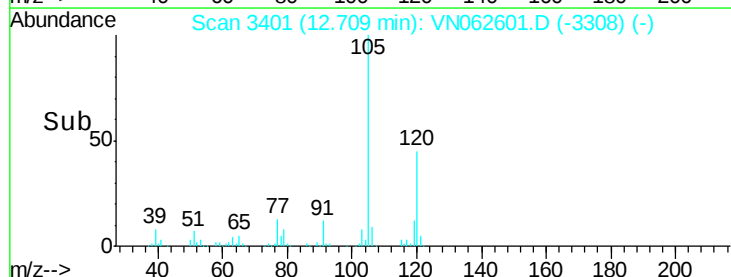
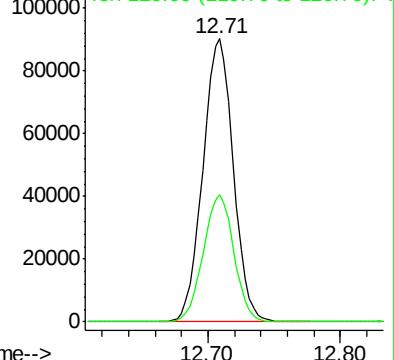
Ion Ratio Lower Upper

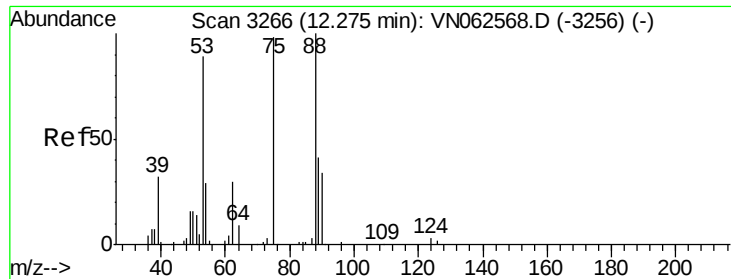
105 100

120 45.2 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062601.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.282 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

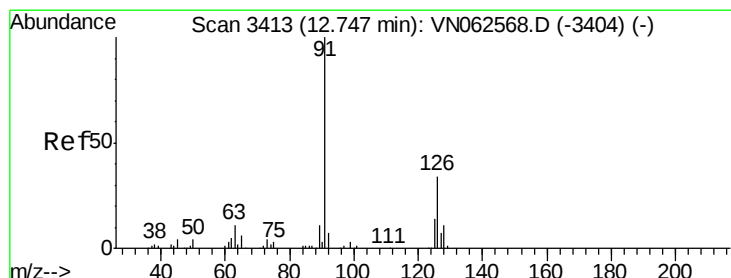
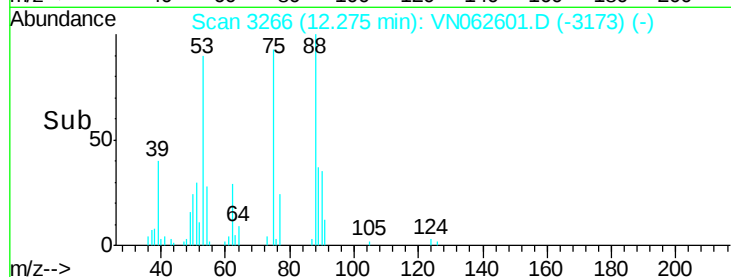
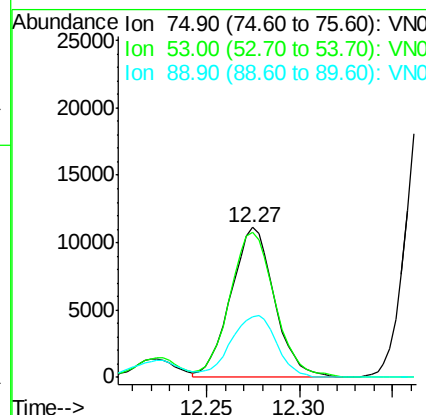
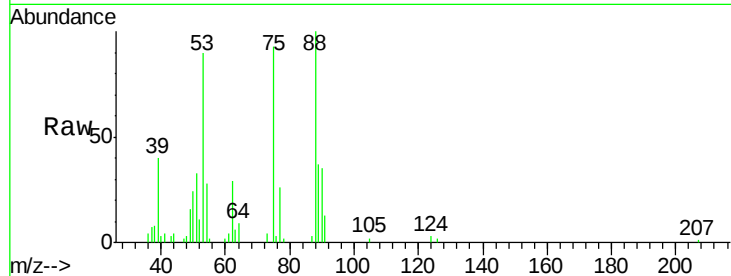
ClientSampleId :

VN0727WBS01

Tot Ion:	75	Resp:	18143
Ion	Ratio	Lower	Upper
75	100		
53	100.3	75.4	113.0
89	42.9	34.5	51.7

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM



#82

4-Chlorotoluene

Concen: 18.790 ug/l

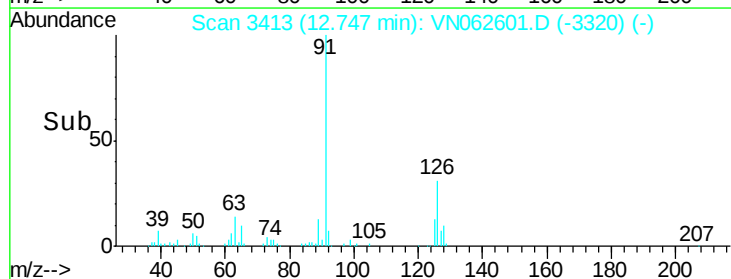
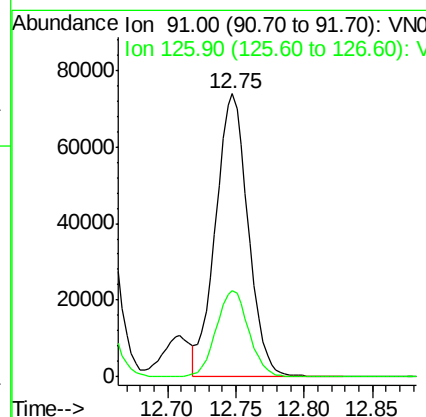
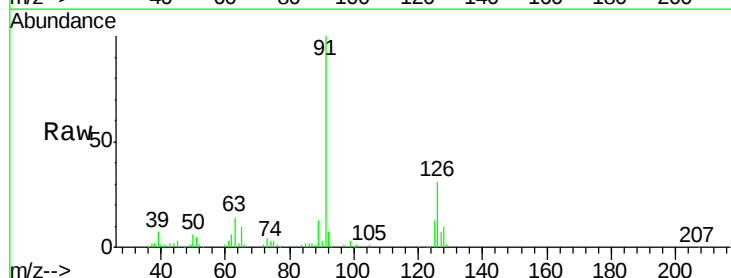
RT: 12.75 min Scan# 3413

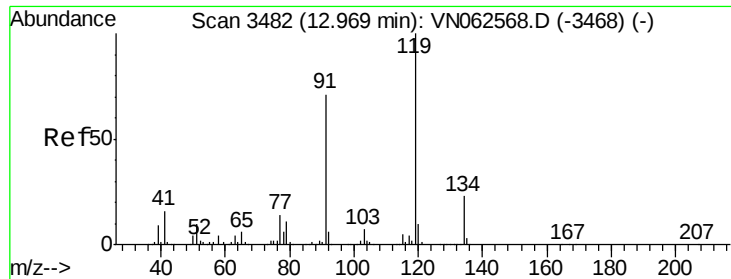
Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Tgt Ion:	91	Resp:	121169
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.4	46.4





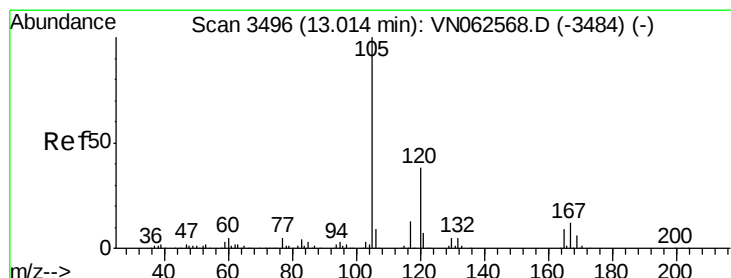
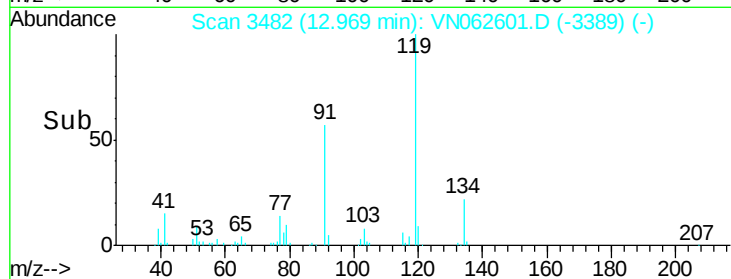
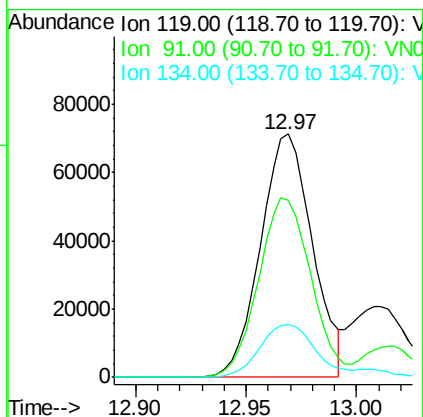
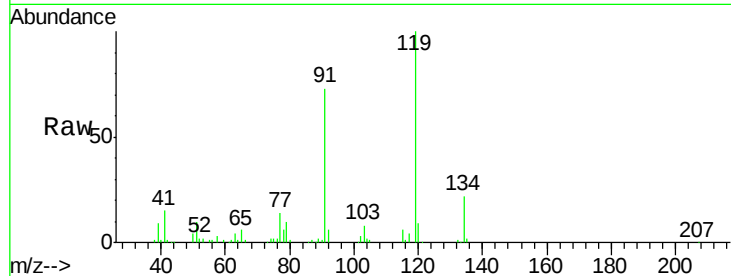
#83
 tert-Butylbenzene
 Concen: 19.646 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116129		
91	75.1	34.6	103.8	
134	23.3	11.5	34.4	

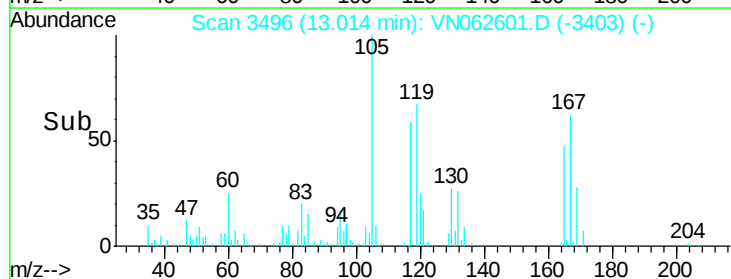
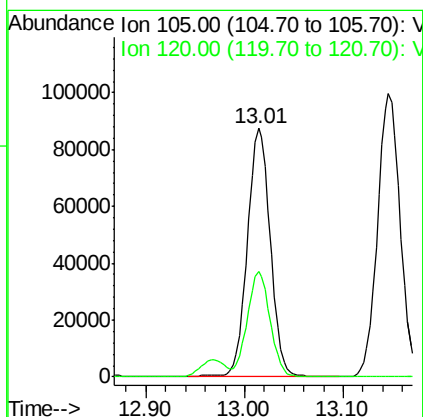
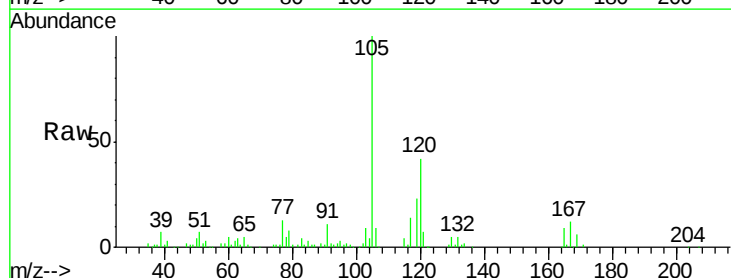
Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 1:46:10 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.060 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140086		
120	42.2	22.1	66.3	





#85

sec-Butylbenzene

Concen: 20.152 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:105 Resp: 159479

Ion Ratio Lower Upper

105 100

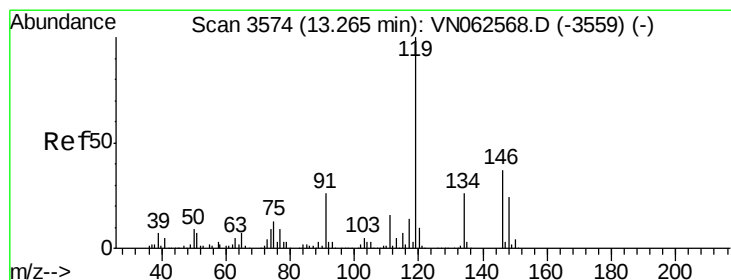
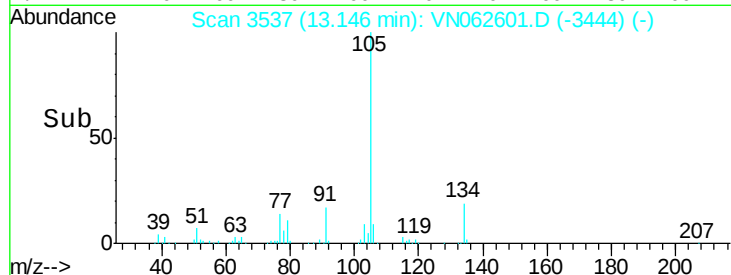
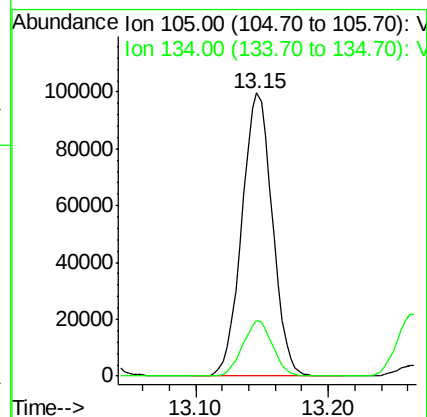
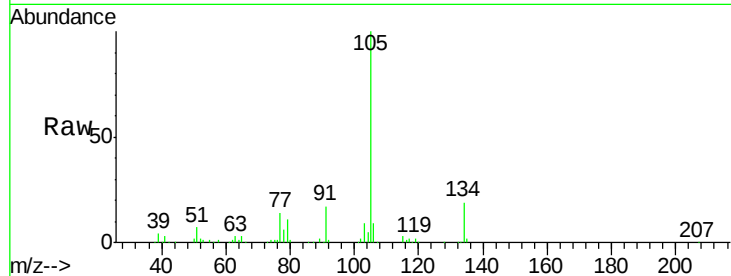
134 19.0 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

7/28/2020 1:46:10 PM



#86

p-Isopropyltoluene

Concen: 20.821 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

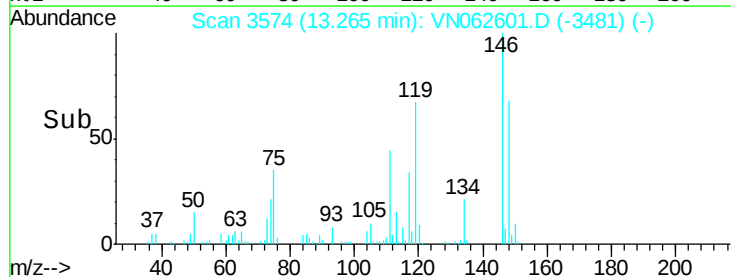
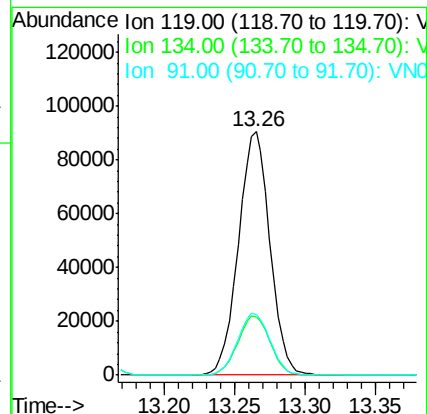
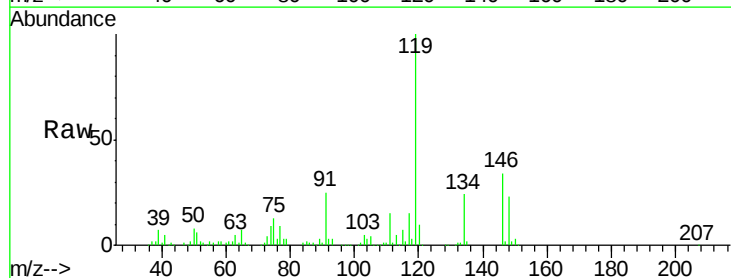
Tgt Ion:119 Resp: 141720

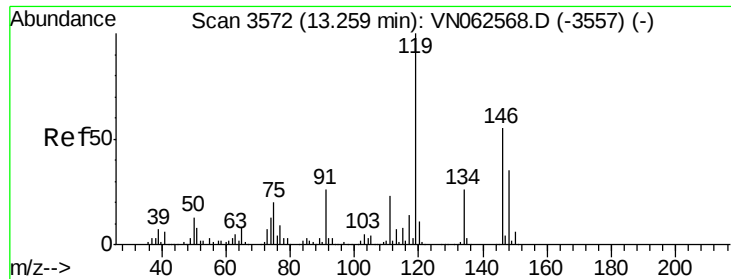
Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.4

91 25.9 12.7 38.1





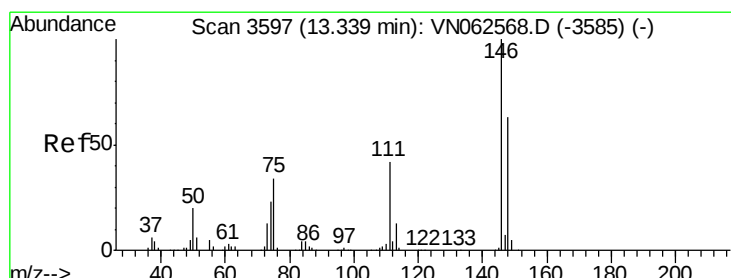
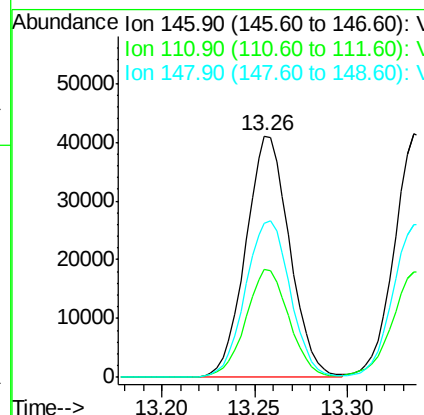
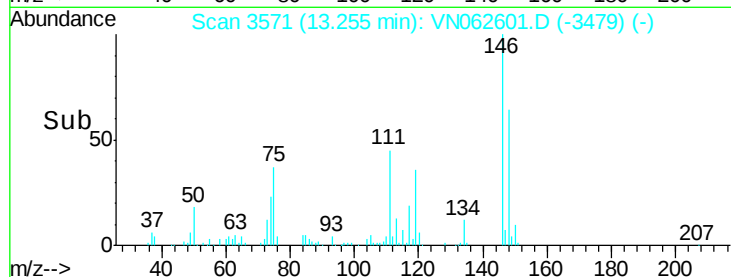
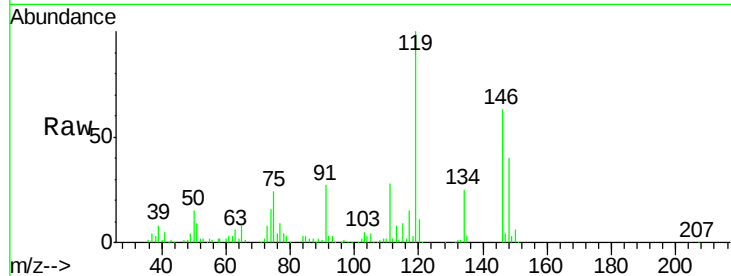
#87
 1,3-Dichlorobenzene
 Concen: 18.707 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	64.6
148	66.1	31.8	95.4

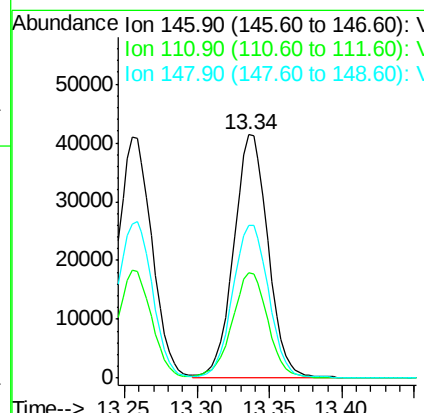
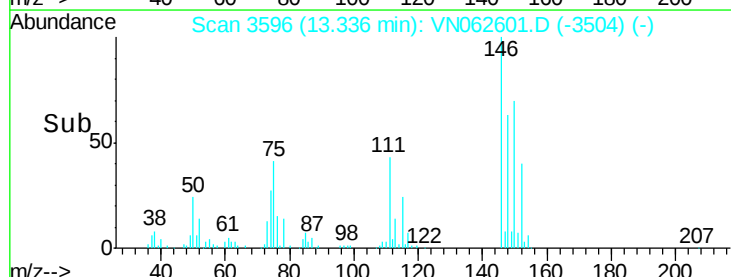
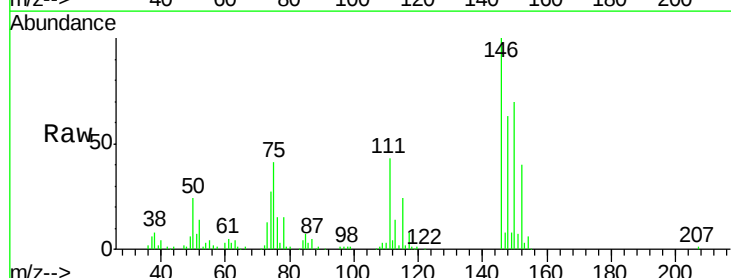
Manual Integrations
 APPROVED

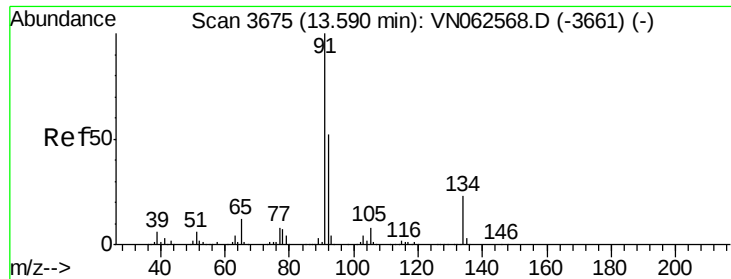
MMDadoda
 7/28/2020 1:46:10 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.064 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.1	63.1
148	66.1	31.6	94.8





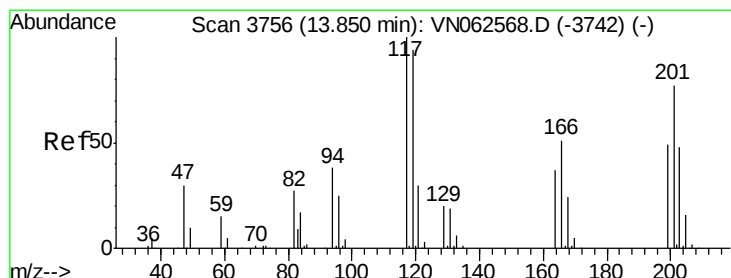
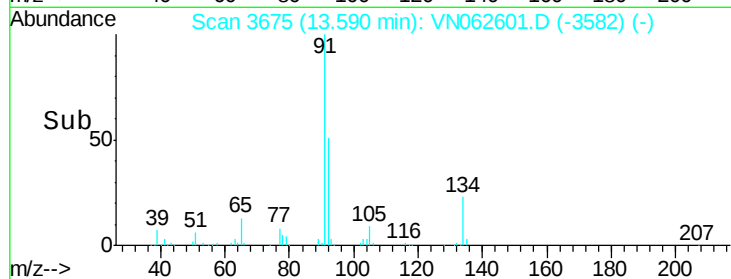
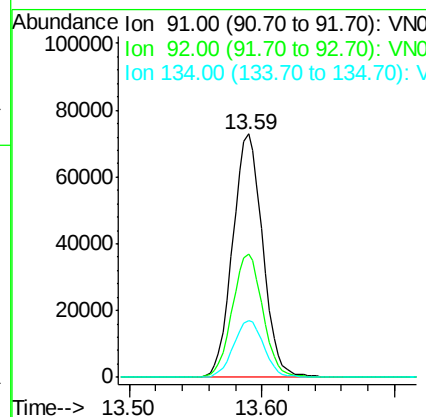
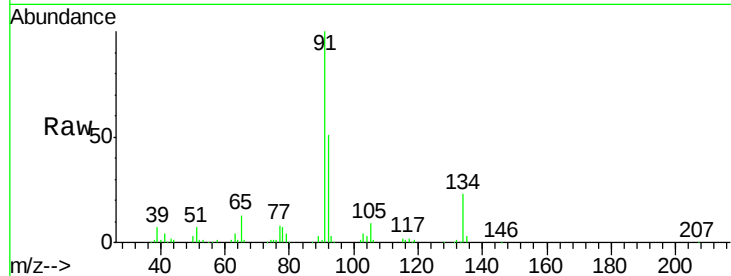
#89
n-Butylbenzene
Concen: 19.571 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		114459		
92	51.7	25.8	77.3		
134	23.6	11.8	35.3		

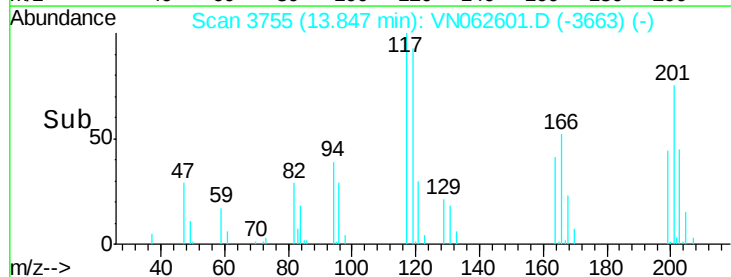
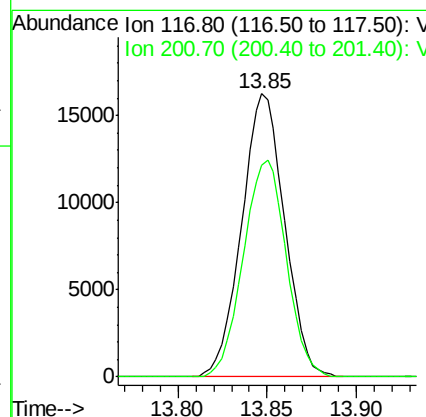
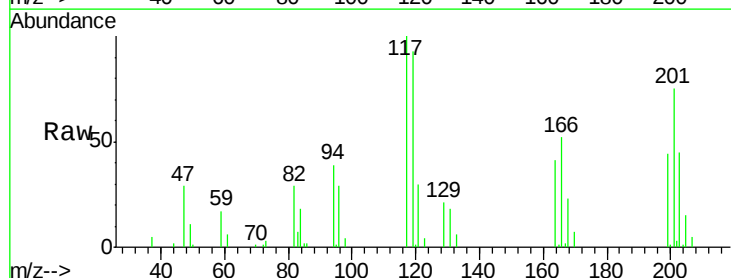
Manual Integrations
APPROVED

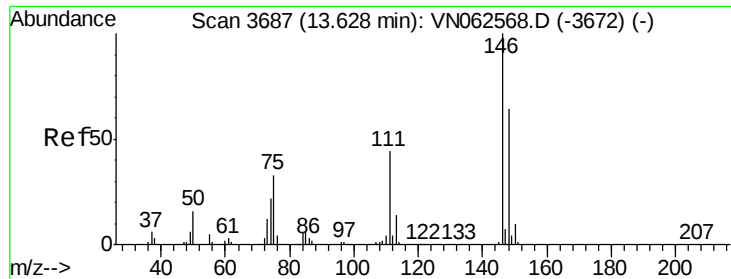
MMDadoda
7/28/2020 1:46:10 PM



#90
Hexachloroethane
Concen: 18.867 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062601.D
Acq: 27 Jul 2020 16:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		27337		
201	76.6	39.2	117.6		





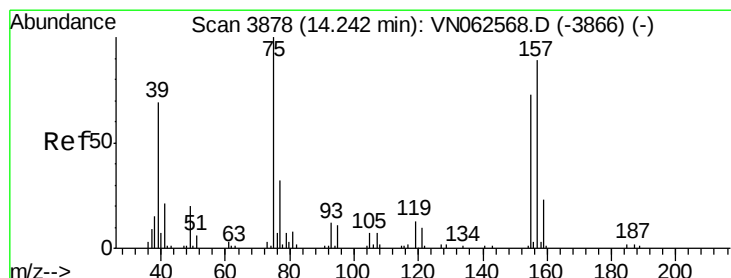
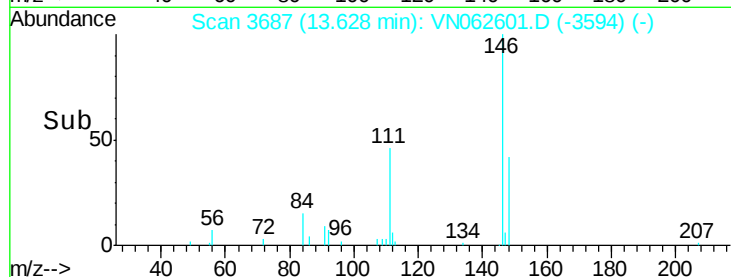
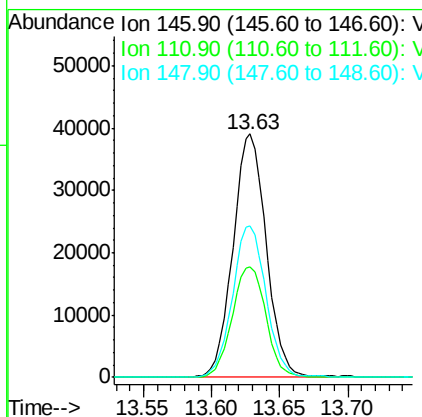
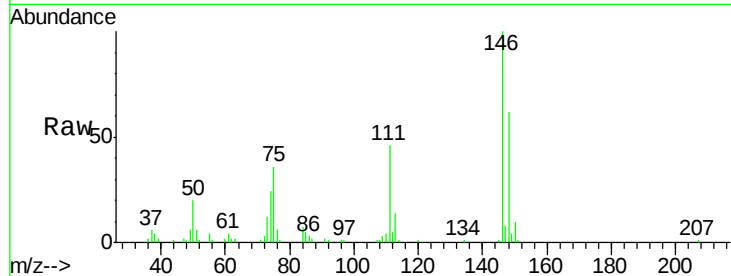
#91
 1,2-Dichlorobenzene
 Concen: 19.129 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.9	65.8
148	62.6	31.6	94.7

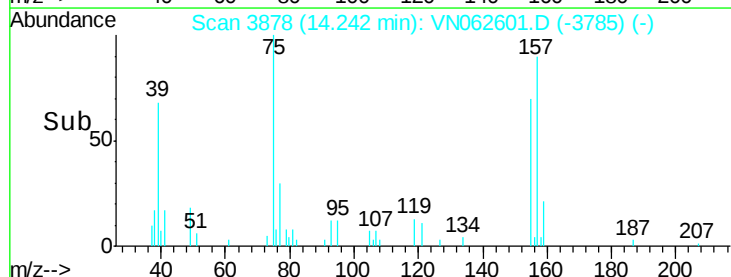
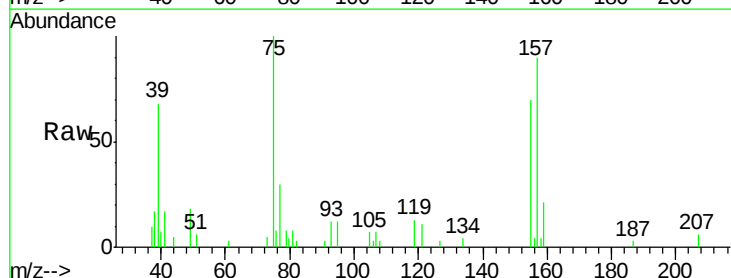
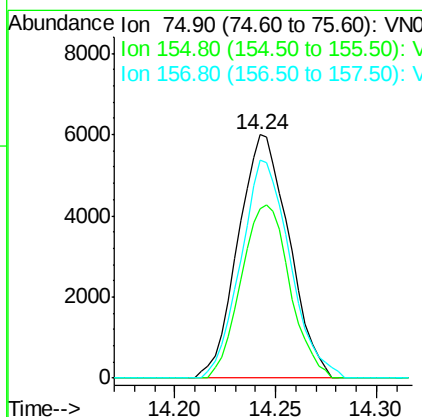
Manual Integrations
 APPROVED

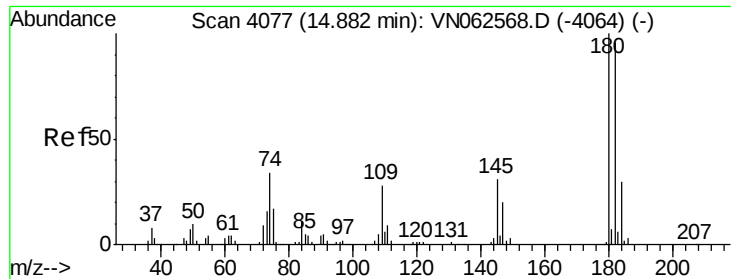
MMDadoda
 7/28/2020 1:46:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.553 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.0	35.9	107.5
157	86.7	45.0	135.0





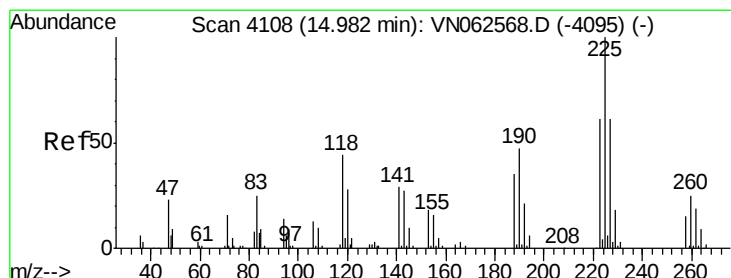
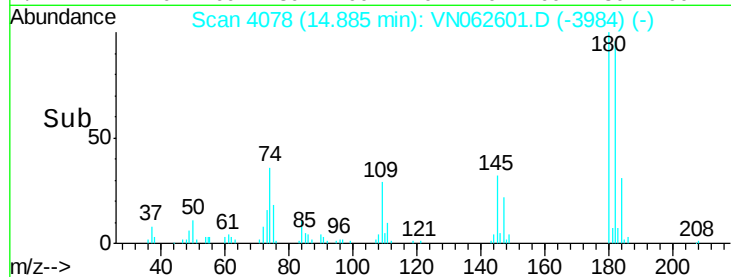
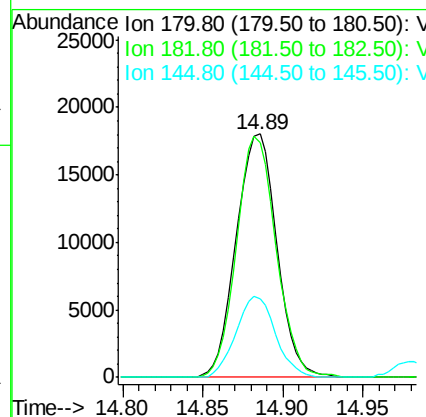
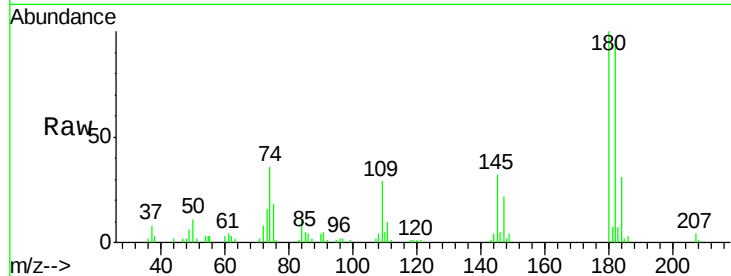
#93
 1,2,4-Trichlorobenzene
 Concen: 19.197 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.3
145	32.3	15.3	45.9

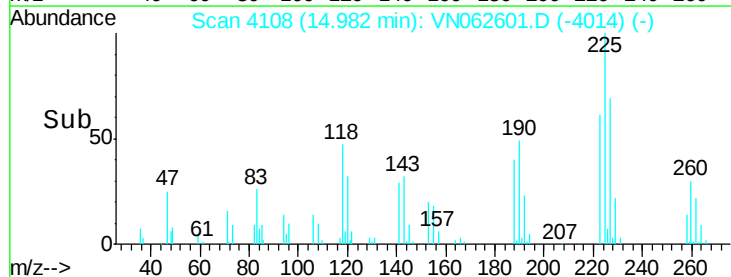
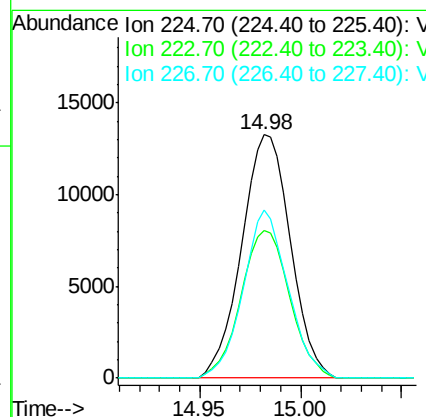
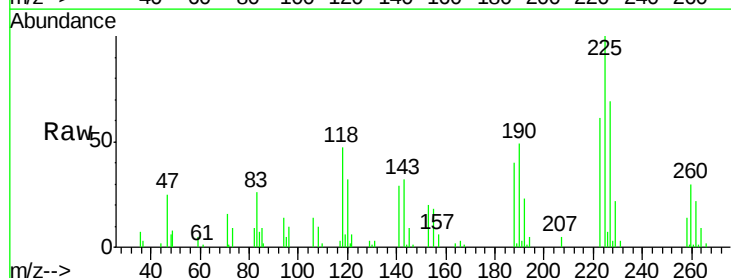
Manual Integrations
 APPROVED

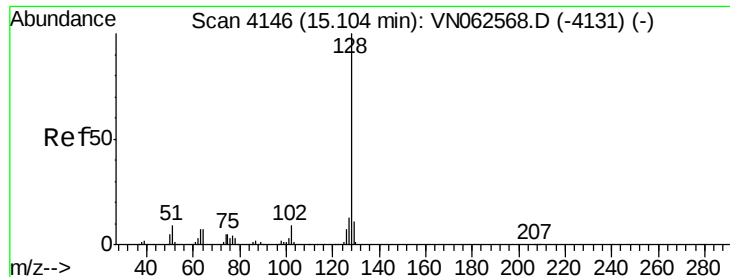
MMDadoda
 7/28/2020 1:46:10 PM



#94
 Hexachlorobutadiene
 Concen: 23.772 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062601.D
 Acq: 27 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	32.0	96.0
227	63.3	31.1	93.2





#95

Naphthalene

Concen: 18.538 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Instrument :

MSVOA_N

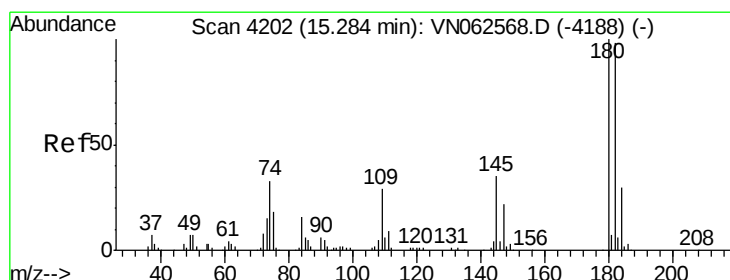
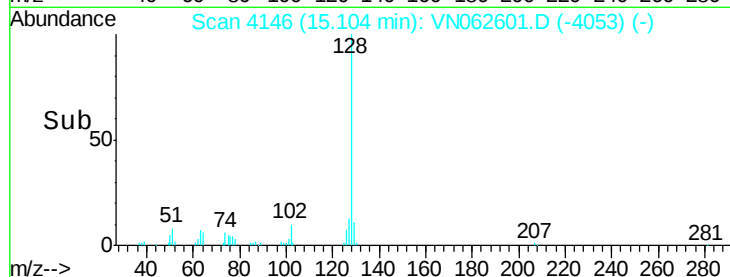
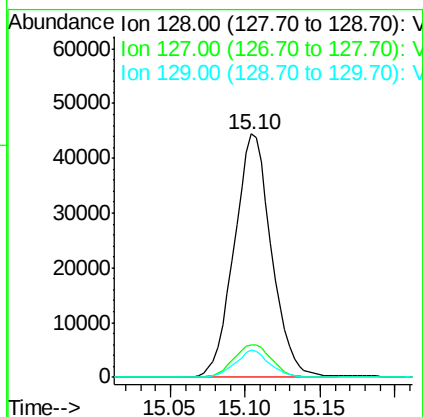
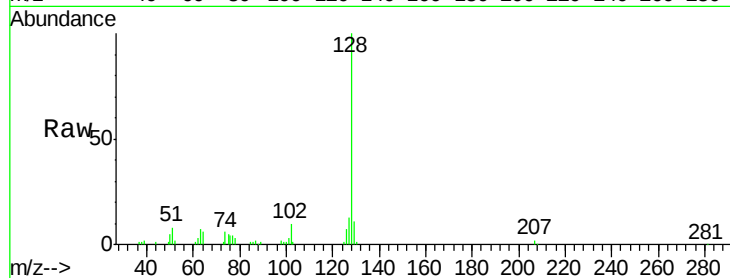
ClientSampleId :

VN0727WBS01

Tot Ion:	128	Resp:	77122
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.4	15.6
129	10.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:46:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.818 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062601.D

Acq: 27 Jul 2020 16:19

Tgt Ion:	180	Resp:	32321
Ion Ratio	Lower	Upper	
180	100		
182	93.6	48.1	144.3
145	34.6	16.7	50.1

