

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063488.D
 Acq On : 21 Sep 2020 16:09
 Operator : JC/MD
 Sample : VN0921WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:07:09 PM

Quant Time: Sep 22 03:33:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	304127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	538284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	496084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	227145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	228193	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
35) Dibromofluoromethane	7.55	113	164527	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	
50) Toluene-d8	10.06	98	633108	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
62) 4-Bromofluorobenzene	12.38	95	234156	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61876	17.959	ug/l	99
3) Chloromethane	2.04	50	77082	16.911	ug/l	100
4) Vinyl Chloride	2.17	62	75351	18.659	ug/l	98
5) Bromomethane	2.54	94	46901	19.561	ug/l	98
6) Chloroethane	2.68	64	42801	17.266	ug/l	99
7) Trichlorofluoromethane	2.99	101	117129	19.440	ug/l	95
8) Diethyl Ether	3.38	74	43555	18.544	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	61659	18.197	ug/l	99
10) Methyl Iodide	3.92	142	79232	17.960	ug/l	99
11) Tert butyl alcohol	4.72	59	49894	69.567	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	60771	17.707	ug/l	96
13) Acrolein	3.57	56	37089	139.545	ug/l	97
14) Allyl chloride	4.28	41	116870	17.215	ug/l	100
15) Acrylonitrile	4.93	53	153101	83.922	ug/l	98
16) Acetone	3.77	43	135908	81.685	ug/l	98
17) Carbon Disulfide	4.02	76	167630	16.792	ug/l	98
18) Methyl Acetate	4.28	43	73763	17.464	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	222589	17.402	ug/l	97
20) Methylene Chloride	4.51	84	74255	17.615	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	67440	17.736	ug/l	93
22) Diisopropyl ether	5.90	45	243405	17.580	ug/l	98
23) Vinyl Acetate	5.84	43	1000622	88.000	ug/l	99
24) 1,1-Dichloroethane	5.80	63	134849	17.840	ug/l	99
25) 2-Butanone	6.78	43	206661	80.761	ug/l	97
26) 2,2-Dichloropropane	6.78	77	111419	16.742	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	78553	18.252	ug/l	98
28) Bromochloromethane	7.15	49	61543	17.633	ug/l	97
29) Tetrahydrofuran	7.17	42	141932	81.212	ug/l	98
30) Chloroform	7.33	83	137523	18.134	ug/l	95
31) Cyclohexane	7.62	56	121449	16.986	ug/l #	94
32) 1,1,1-Trichloroethane	7.53	97	121562	18.022	ug/l	97
36) 1,1-Dichloropropene	7.75	75	101285	17.662	ug/l	100
37) Ethyl Acetate	6.88	43	93984	16.698	ug/l	99
38) Carbon Tetrachloride	7.74	117	104079	17.779	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063488.D
 Acq On : 21 Sep 2020 16:09
 Operator : JC/MD
 Sample : VN0921WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0921WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:07:09 PM

Quant Time: Sep 22 03:33:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	106073	17.043	ug/l	98
40) Benzene	8.00	78	296547	18.115	ug/l	100
41) Methacrylonitrile	7.14	41	43800m	17.303	ug/l	
42) 1,2-Dichloroethane	8.09	62	119394	18.136	ug/l	100
43) Isopropyl Acetate	8.13	43	163367	16.233	ug/l #	88
44) Trichloroethene	8.80	130	73167	18.427	ug/l	99
45) 1,2-Dichloropropane	9.09	63	80687	18.097	ug/l	98
46) Dibromomethane	9.18	93	53567	18.280	ug/l	98
47) Bromodichloromethane	9.37	83	109902	18.053	ug/l	99
48) Methyl methacrylate	9.16	41	81633	16.510	ug/l	99
49) 1,4-Dioxane	9.17	88	18809	265.077	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	470659	83.536	ug/l	100
52) Toluene	10.13	92	184366	18.732	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	117901	17.347	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	124483	17.364	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	69821	17.860	ug/l	96
56) Ethyl methacrylate	10.40	69	105498	17.286	ug/l	99
57) 1,3-Dichloropropane	10.68	76	124541	17.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	252035	78.722	ug/l	98
59) 2-Hexanone	10.72	43	338730	82.985	ug/l	99
60) Dibromochloromethane	10.87	129	78280	17.724	ug/l	98
61) 1,2-Dibromoethane	10.98	107	74619	18.372	ug/l	100
64) Tetrachloroethene	10.60	164	67647	20.026	ug/l	98
65) Chlorobenzene	11.41	112	190218	18.064	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	71920	18.632	ug/l	99
67) Ethyl Benzene	11.48	91	362937	18.302	ug/l	100
68) m/p-Xylenes	11.59	106	261187	36.529	ug/l	98
69) o-Xylene	11.92	106	129320	18.986	ug/l	98
70) Styrene	11.94	104	211436	18.511	ug/l	98
71) Bromoform	12.10	173	48532	16.877	ug/l #	98
73) Isopropylbenzene	12.22	105	339473	18.650	ug/l	99
74) N-amyl acetate	12.04	43	150755	17.496	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	98863	17.542	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	100581m	17.890	ug/l	
77) Bromobenzene	12.50	156	83212	20.323	ug/l	90
78) n-propylbenzene	12.57	91	393786	18.575	ug/l	99
79) 2-Chlorotoluene	12.65	91	240655	18.936	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	287452	18.938	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	32420	15.809	ug/l	95
82) 4-Chlorotoluene	12.75	91	249622	18.590	ug/l	99
83) tert-Butylbenzene	12.97	119	239239	19.098	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	291803	19.033	ug/l	100
85) sec-Butylbenzene	13.15	105	311474	18.575	ug/l	99
86) p-Isopropyltoluene	13.26	119	278176	18.808	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	139695	18.408	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	144745	18.760	ug/l	99
89) n-Butylbenzene	13.59	91	251338	18.436	ug/l	99
90) Hexachloroethane	13.85	117	49620	17.619	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	138161	18.543	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22011	16.401	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
Data File : VN063488.D
Acq On : 21 Sep 2020 16:09
Operator : JC/MD
Sample : VN0921WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM

Quant Time: Sep 22 03:33:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	79373	18.070	ug/l	98
94) Hexachlorobutadiene	14.98	225	35099	19.302	ug/l	96
95) Naphthalene	15.10	128	254955	17.569	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	73978	17.431	ug/l	98

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

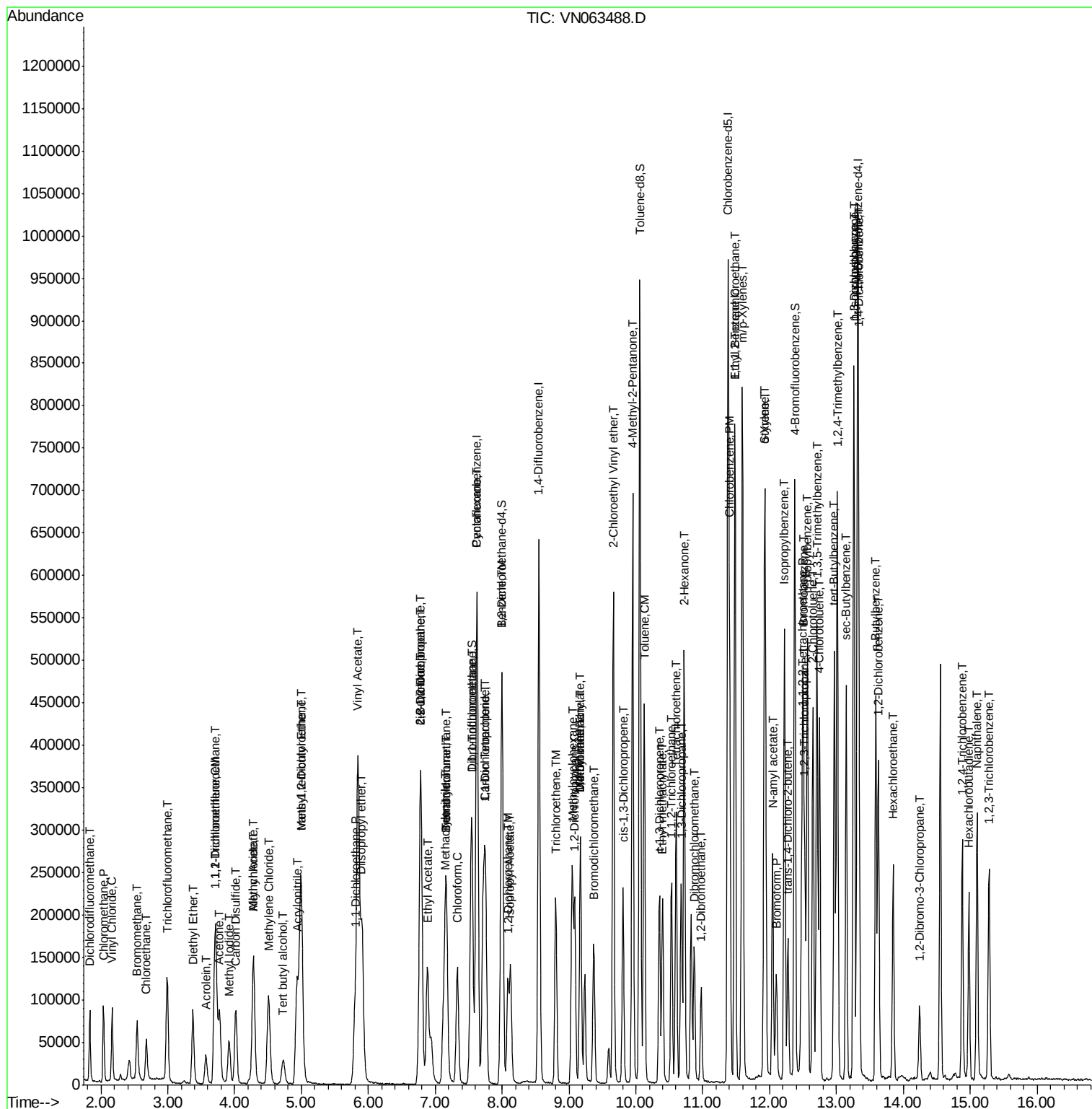
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092120\
Data File : VN063488.D
Acq On : 21 Sep 2020 16:09
Operator : JC/MD
Sample : VN0921WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

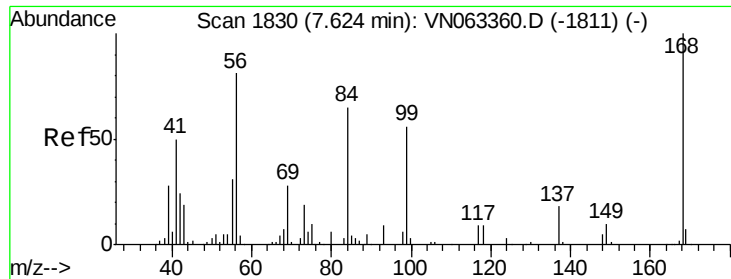
Instrument :
MSVOA_N
Client Sampled :
VN0921WBSD01

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM

Quant Time: Sep 22 03:33:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion:168 Resp: 304127

Ion Ratio Lower Upper

168 100

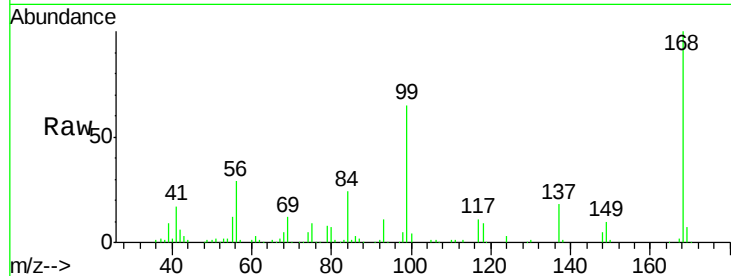
99 64.9 53.0 79.6

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

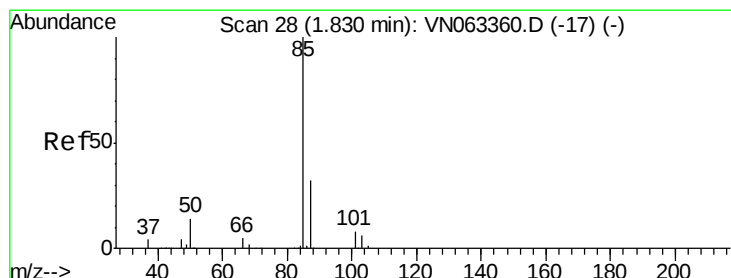
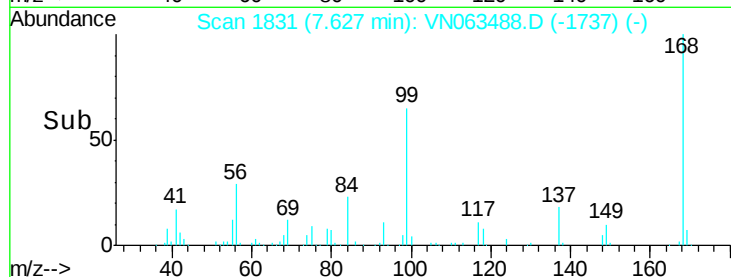
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.959 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063488.D

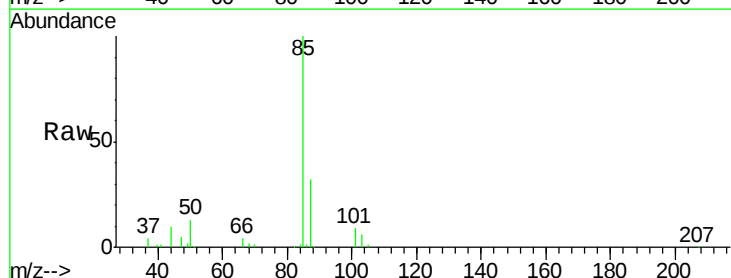
Acq: 21 Sep 2020 16:09

Tgt Ion: 85 Resp: 61876

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

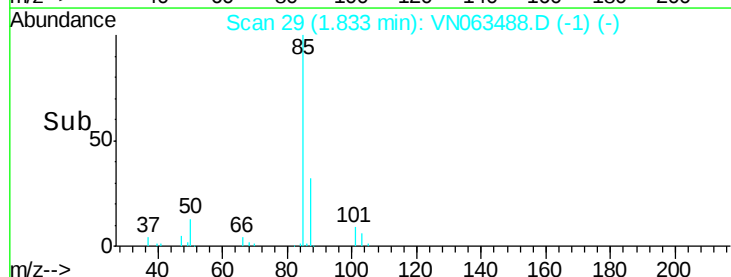
30000

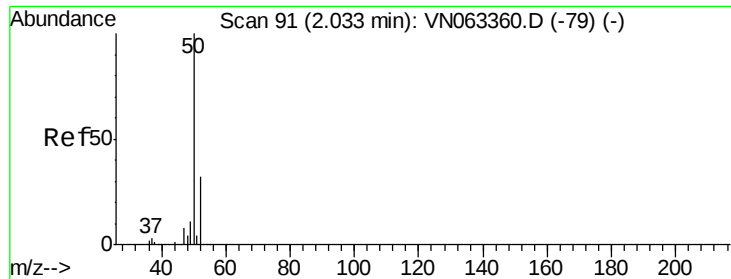
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 16.911 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 50 Resp: 77082

Ion Ratio Lower Upper

50 100

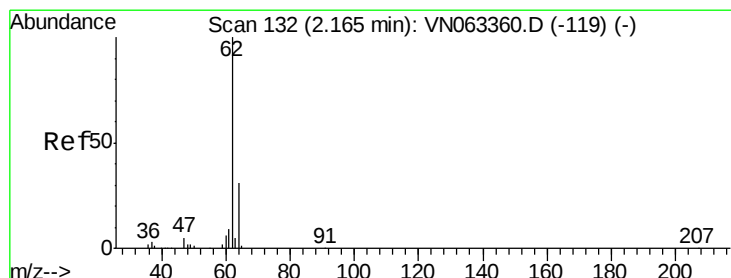
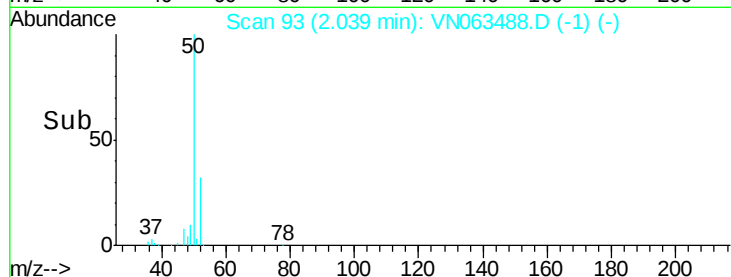
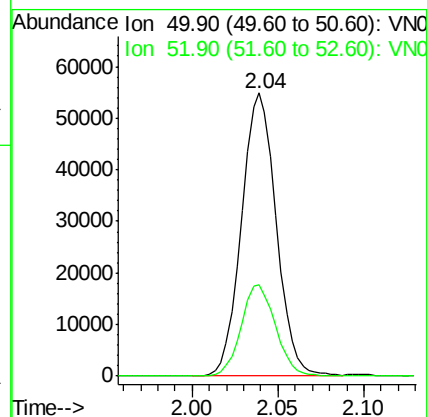
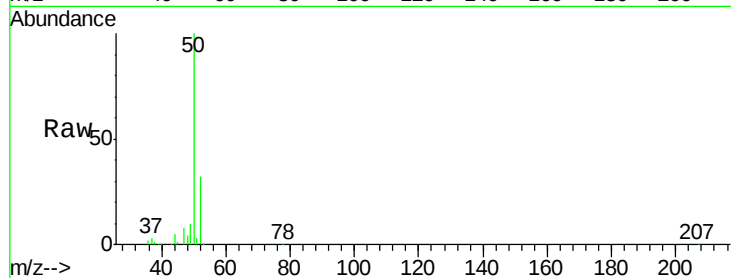
52 32.1 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



#4

Vinyl Chloride

Concen: 18.659 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063488.D

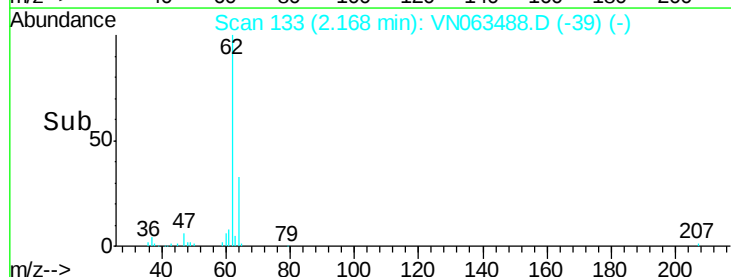
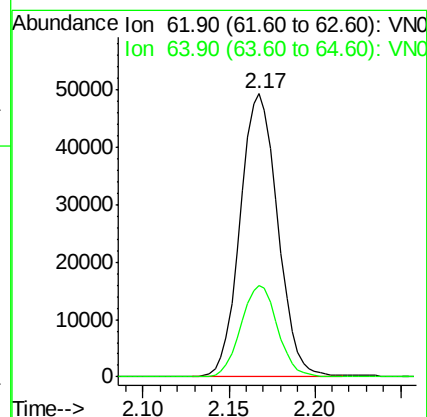
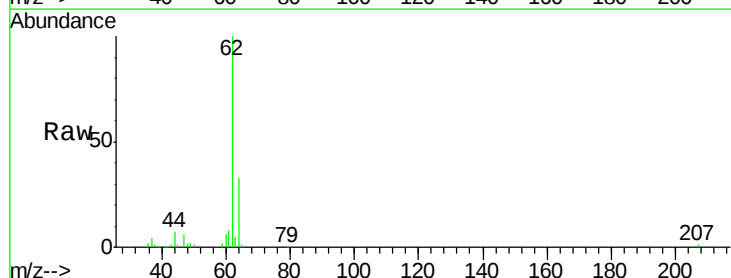
Acq: 21 Sep 2020 16:09

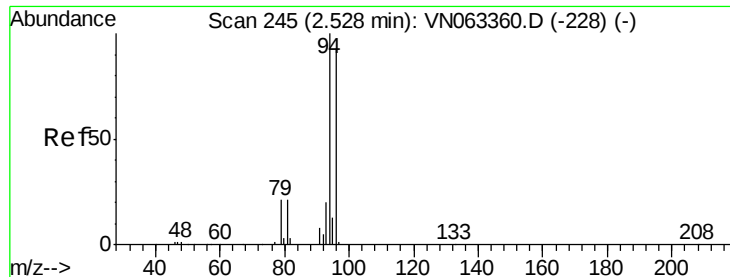
Tgt Ion: 62 Resp: 75351

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 19.561 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampled :

VN0921WBSD01

Tot Ion: 94 Resp: 46901

Ion Ratio Lower Upper

94 100

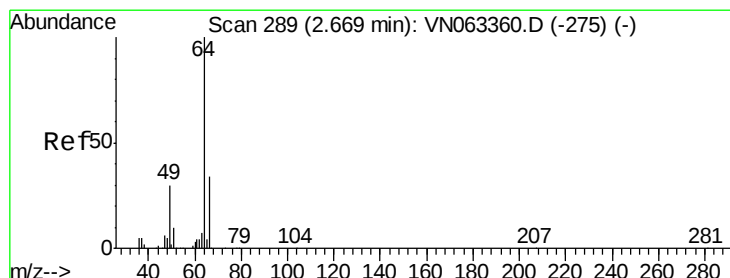
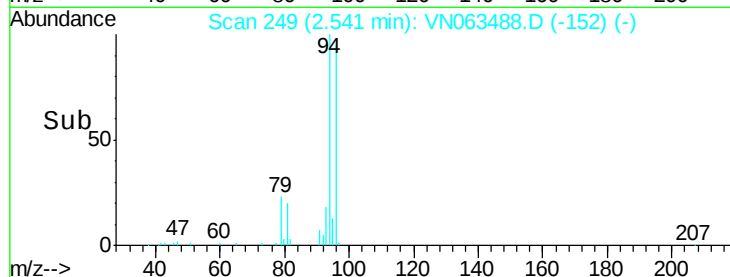
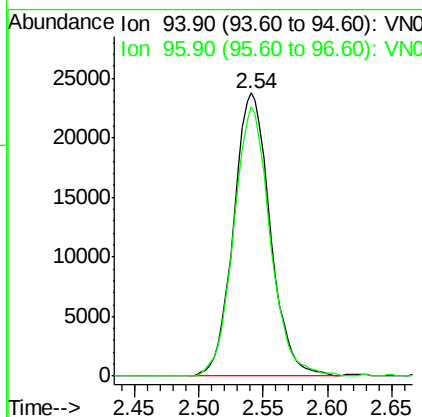
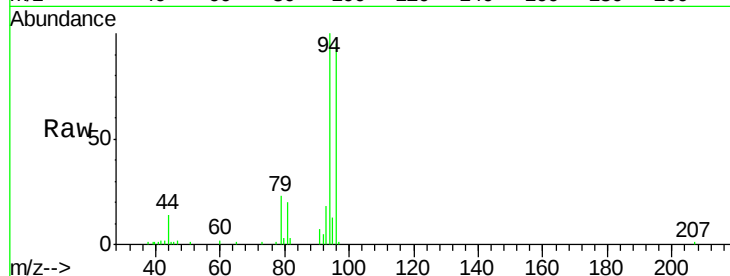
96 94.9 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



#6

Chloroethane

Concen: 17.266 ug/l

RT: 2.68 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN063488.D

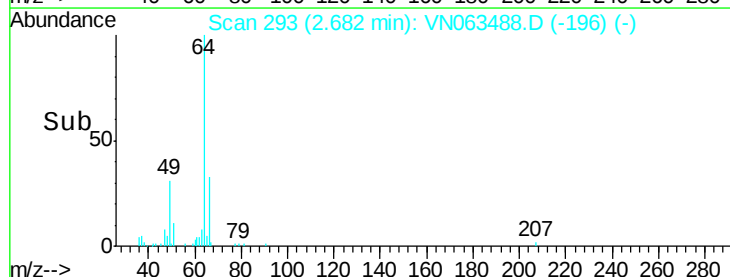
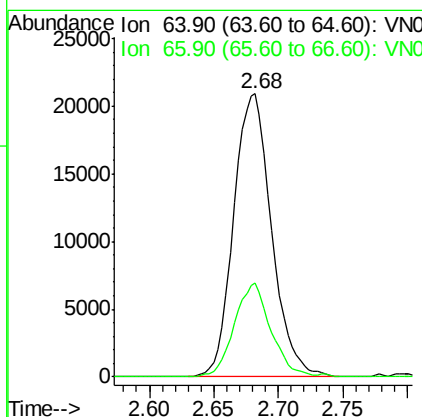
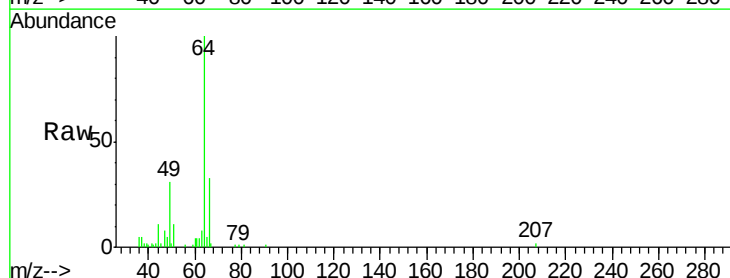
Acq: 21 Sep 2020 16:09

Tgt Ion: 64 Resp: 42801

Ion Ratio Lower Upper

64 100

66 33.1 26.9 40.3





#7

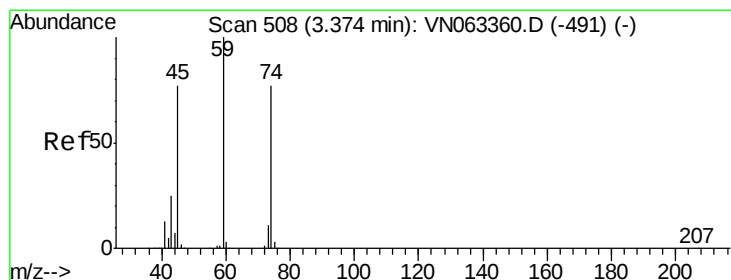
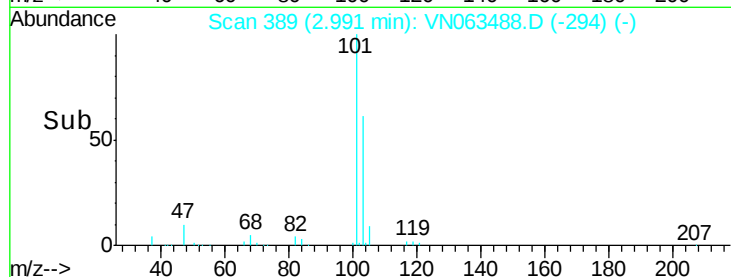
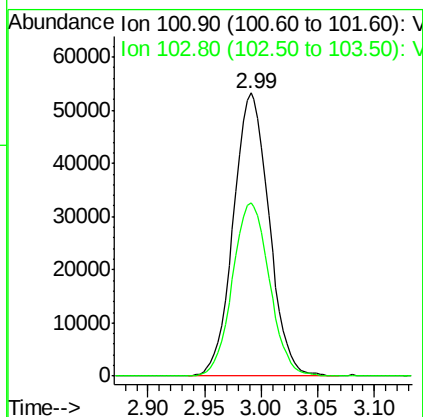
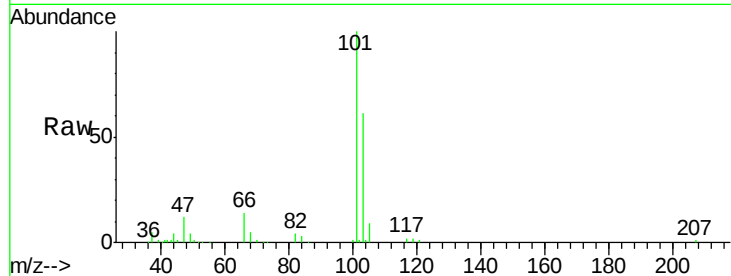
Trichlorofluoromethane
 Concen: 19.440 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.3	78.5

Manual Integrations
 APPROVED

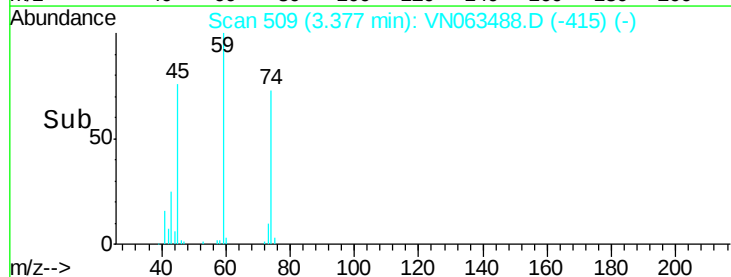
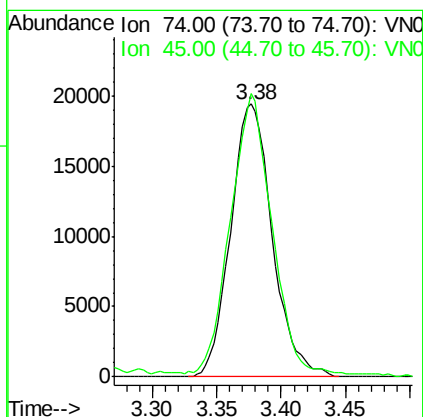
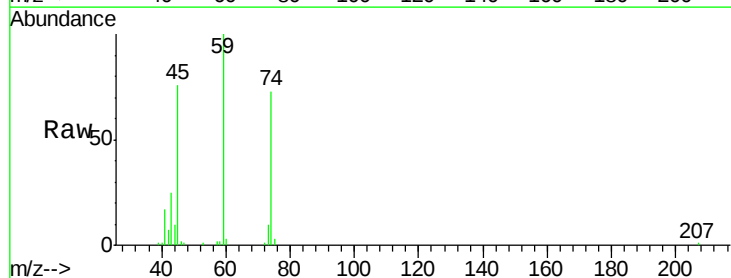
MMDadoda
 9/22/2020 2:07:09 PM

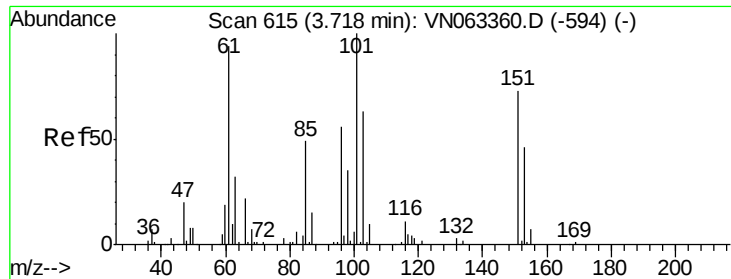


#8

Diethyl Ether
 Concen: 18.544 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.197 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

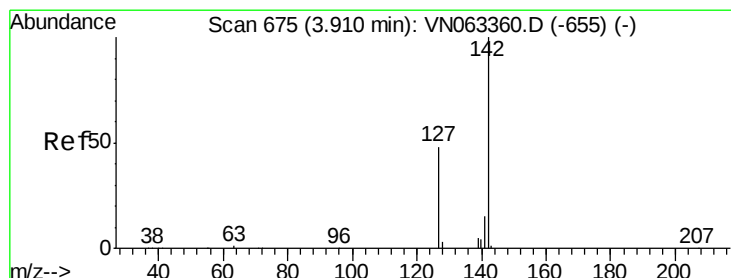
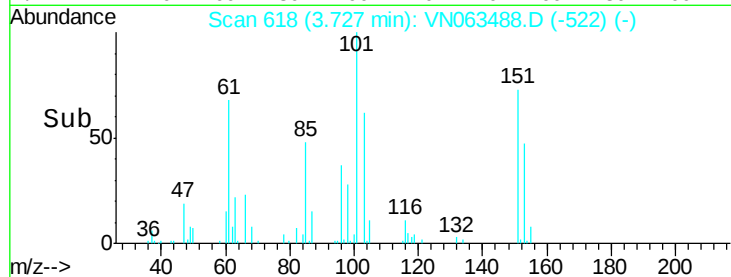
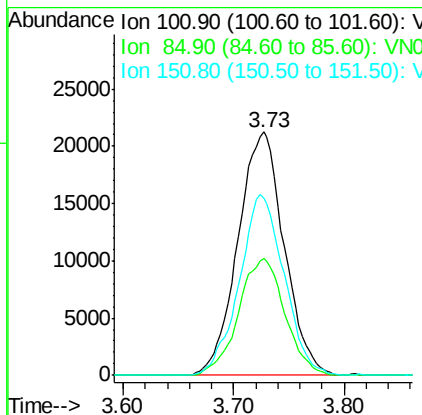
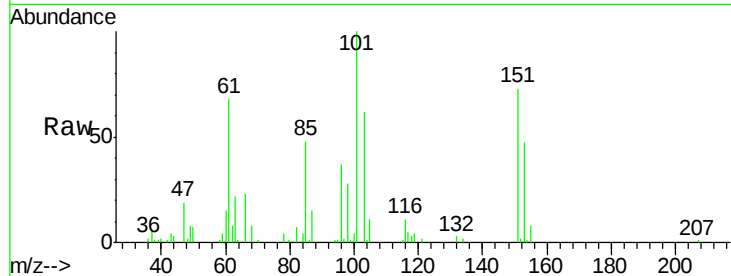
ClientSampleId :

VN0921WBSD01

Tot Ion:	101	Resp:	61659
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.7	56.5
151	72.0	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#10

Methyl Iodide

Concen: 17.960 ug/l

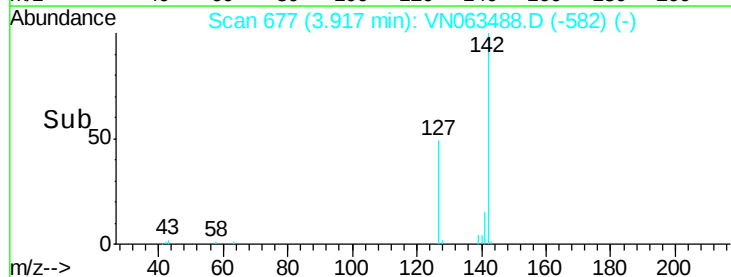
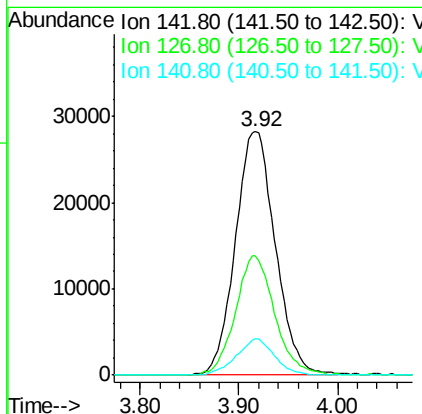
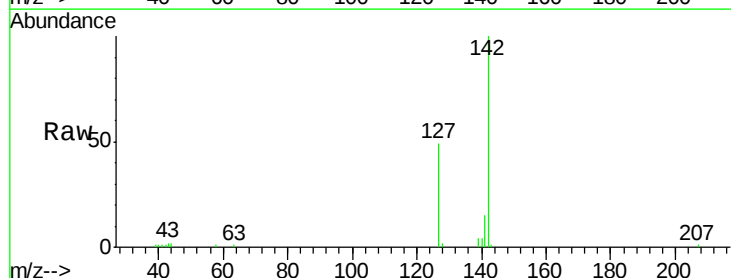
RT: 3.92 min Scan# 677

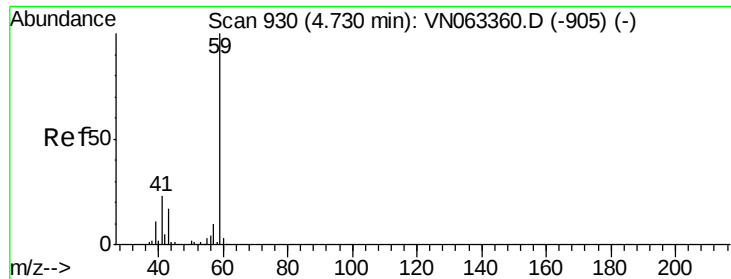
Delta R.T. 0.01 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion:	142	Resp:	79232
Ion Ratio	Lower	Upper	
142	100		
127	47.9	39.0	58.6
141	14.0	11.6	17.4





#11

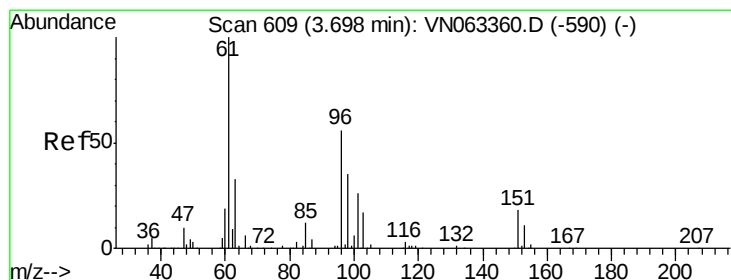
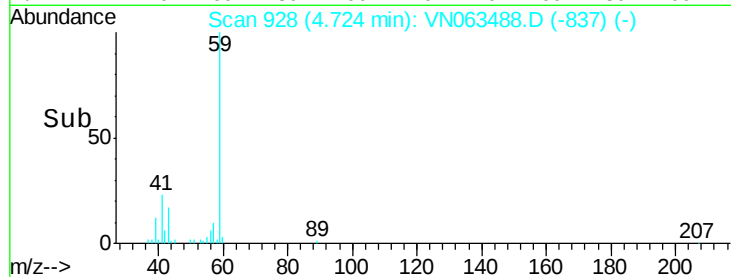
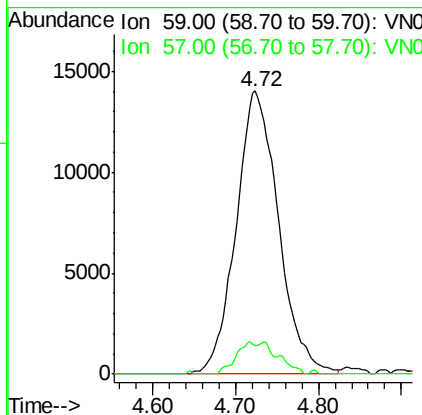
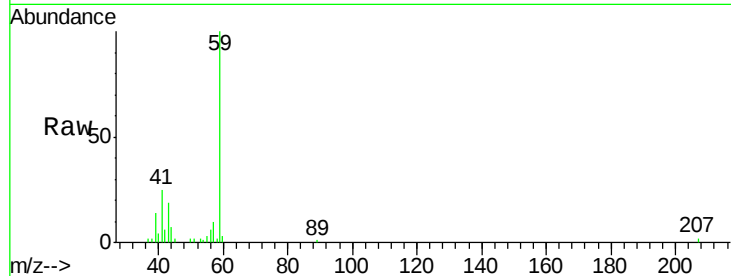
Tert butyl alcohol
 Concen: 69.567 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	5.8		8.4	12.6#

Manual Integrations
 APPROVED

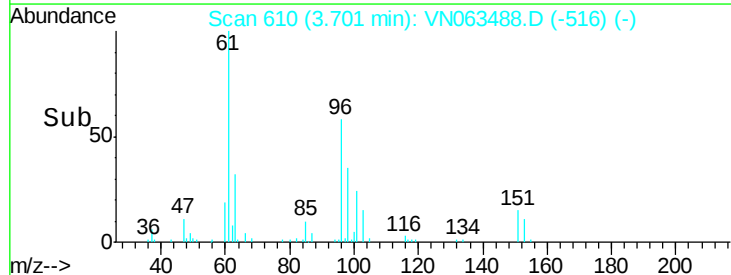
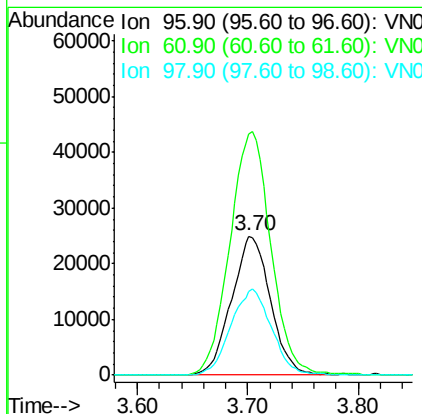
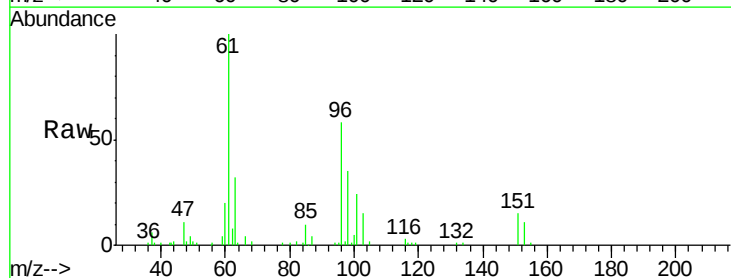
MMDadoda
 9/22/2020 2:07:09 PM

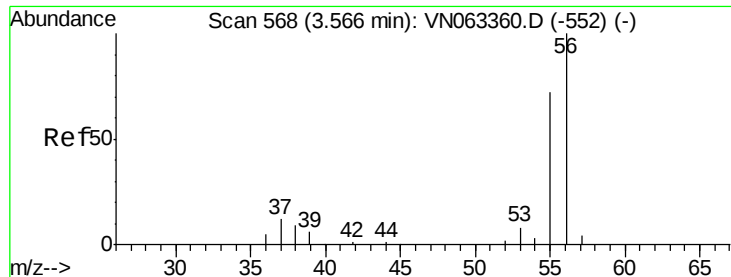


#12

1,1-Dichloroethene
 Concen: 17.707 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	172.9		143.4	215.2
98	60.1		50.6	76.0





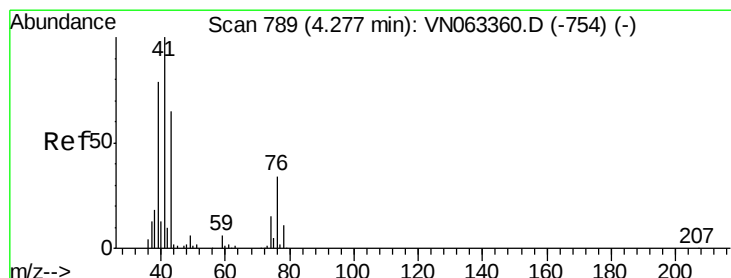
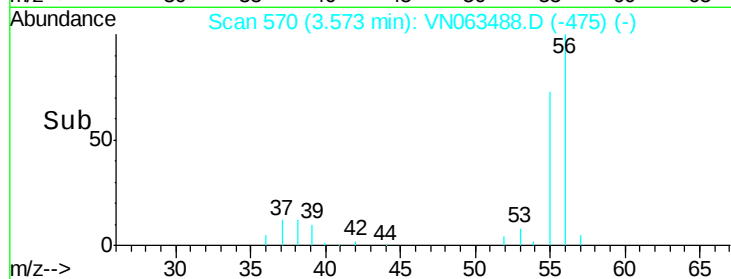
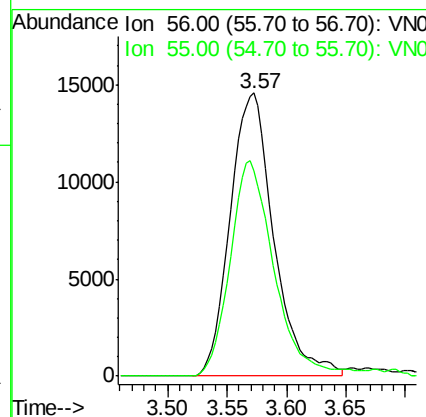
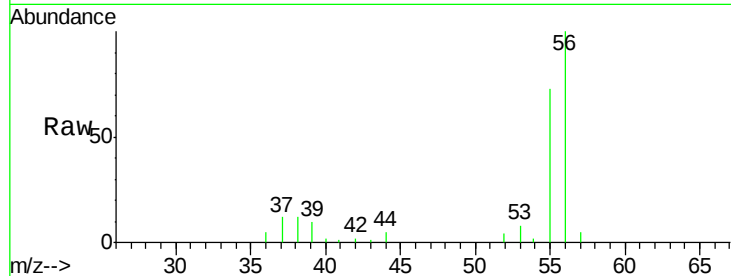
#13
Acrolein
Concen: 139.545 ug/l
RT: 3.57 min Scan# 570
Delta R.T. 0.01 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion: 56 Resp: 37089
Ion Ratio Lower Upper
56 100
55 75.6 58.2 87.2

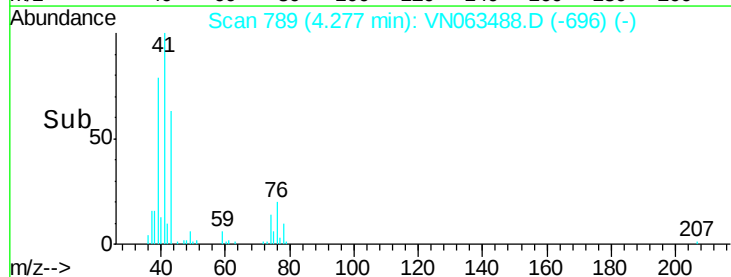
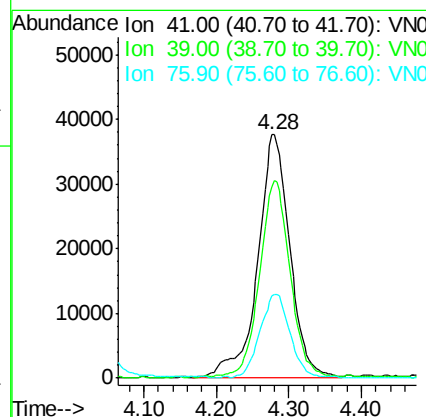
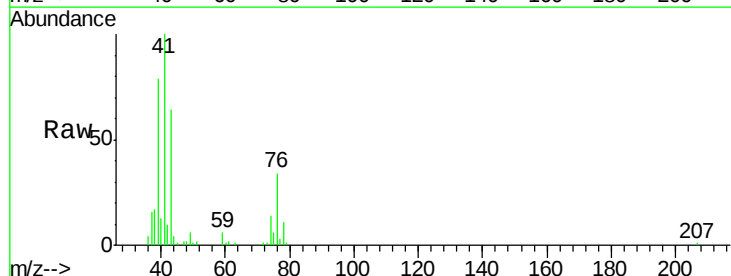
Manual Integrations
APPROVED

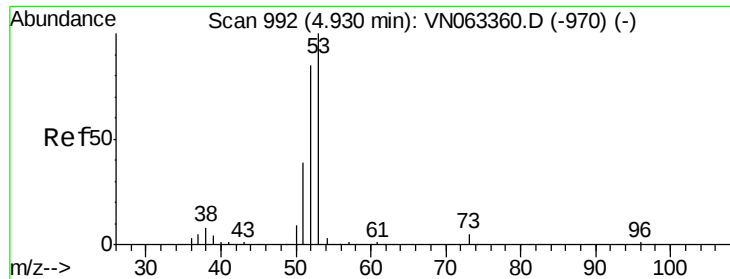
MMDadoda
9/22/2020 2:07:09 PM



#14
Allyl chloride
Concen: 17.215 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion: 41 Resp: 116870
Ion Ratio Lower Upper
41 100
39 74.5 59.3 88.9
76 32.0 25.3 37.9





#15

Acrylonitrile

Concen: 83.922 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

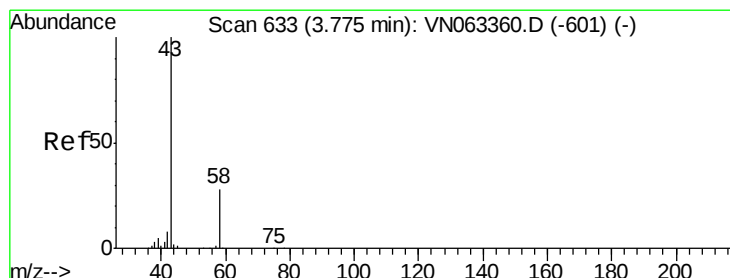
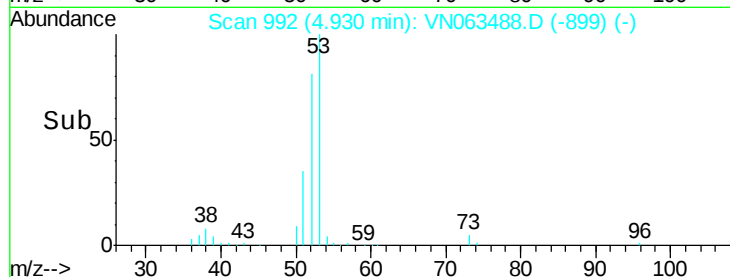
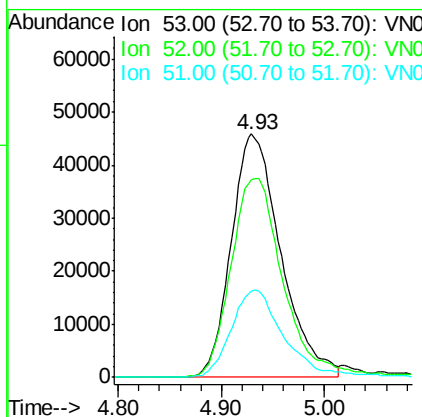
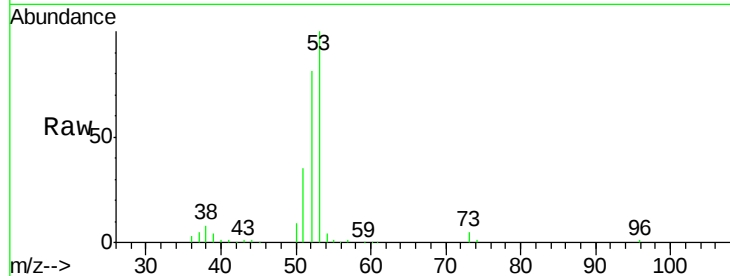
ClientSampleId :

VN0921WBSD01

Tot Ion:	53	Resp:	153101
Ion	Ratio	Lower	Upper
53	100		
52	85.8	66.4	99.6
51	37.9	30.2	45.4

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#16

Acetone

Concen: 81.685 ug/l

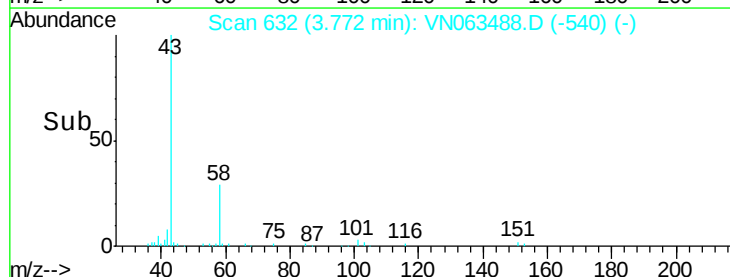
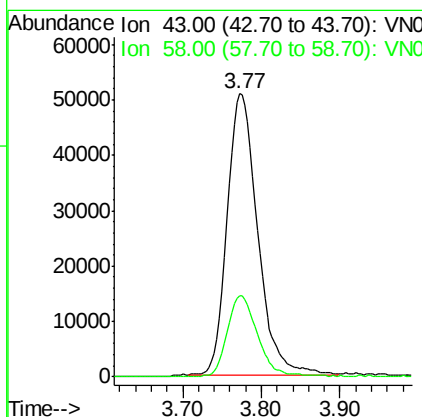
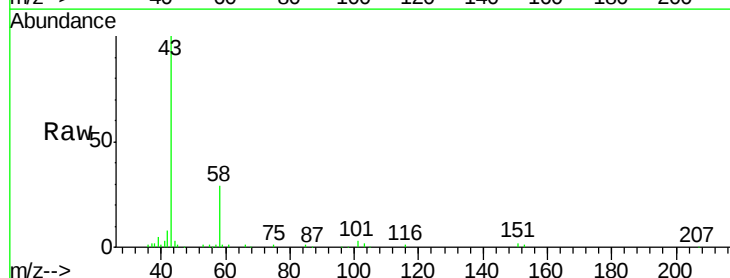
RT: 3.77 min Scan# 632

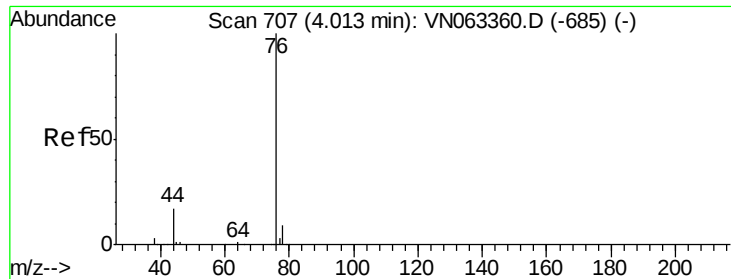
Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion:	43	Resp:	135908
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.3	33.5





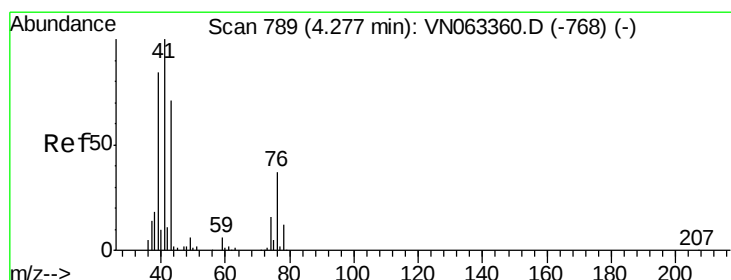
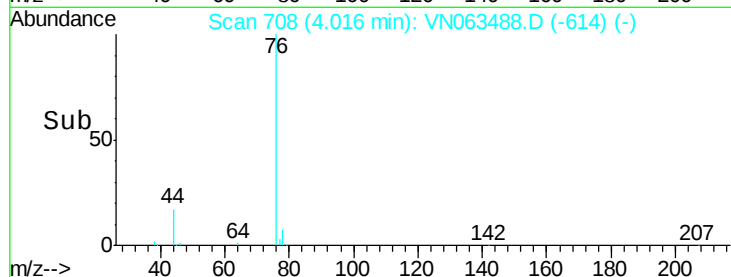
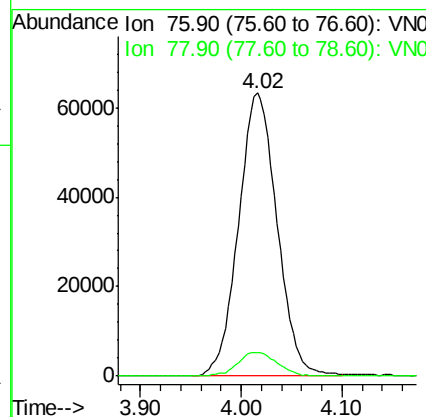
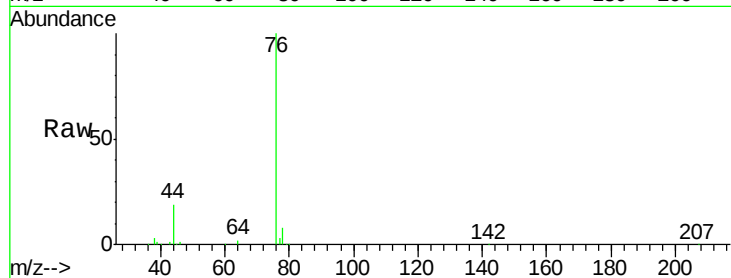
#17
Carbon Disulfide
Concen: 16.792 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.2	10.8

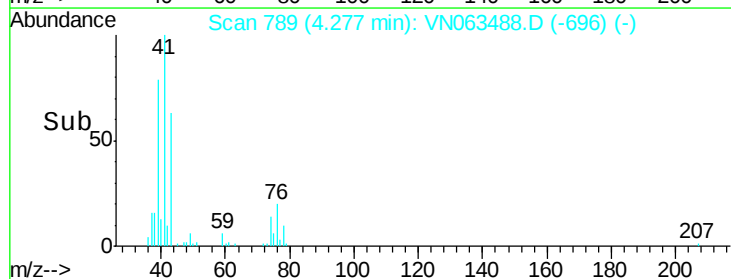
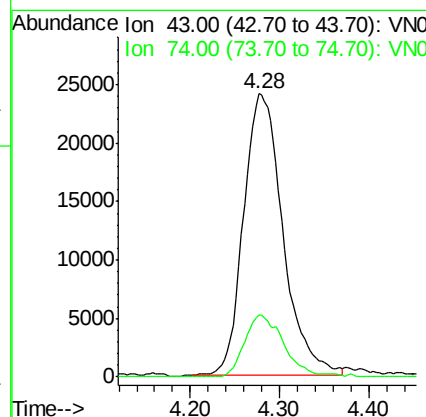
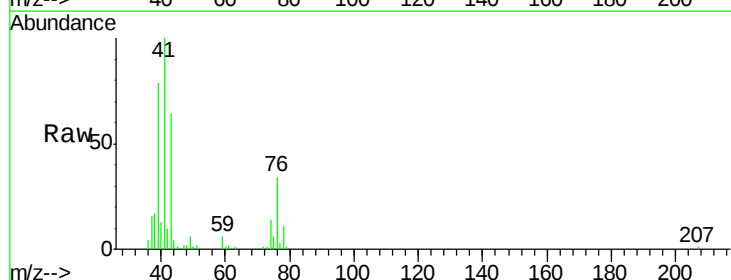
Manual Integrations
APPROVED

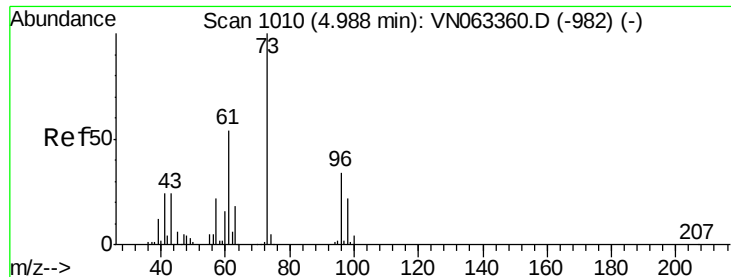
MMDadoda
9/22/2020 2:07:09 PM



#18
Methyl Acetate
Concen: 17.464 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.4	26.2





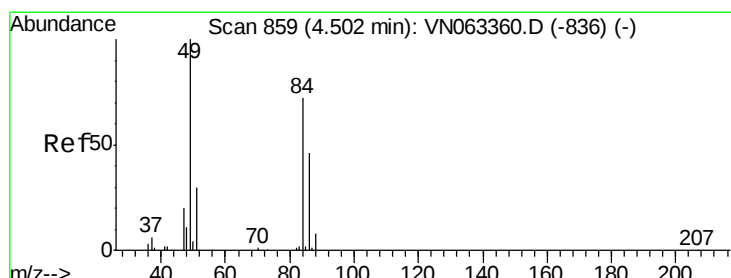
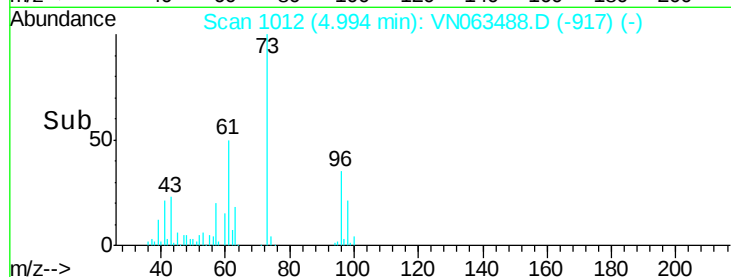
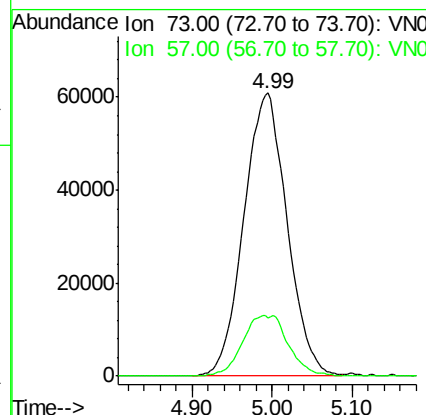
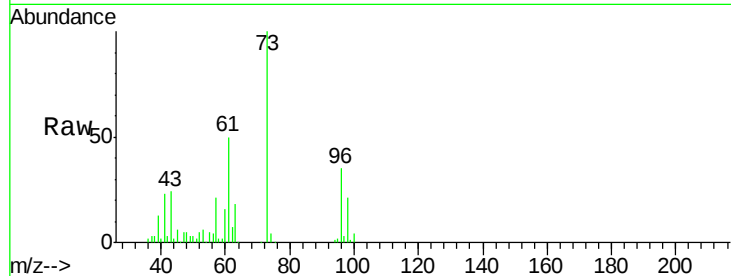
#19
Methvl tert-butvl Ether
Concen: 17.402 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion: 73 Resp: 222589
Ion Ratio Lower Upper
73 100
57 20.8 17.9 26.9

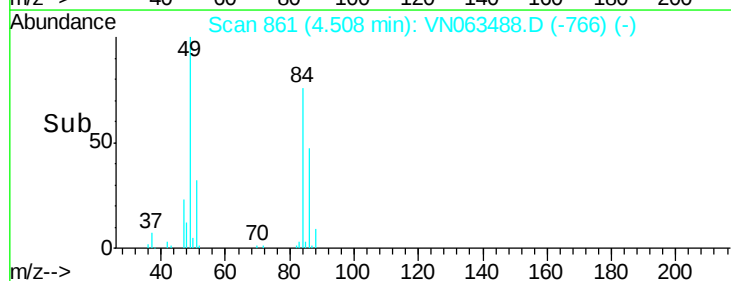
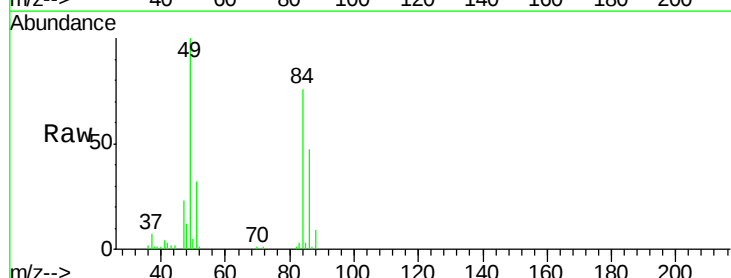
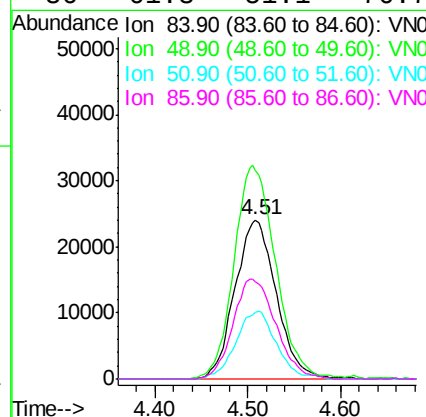
Manual Integrations
APPROVED

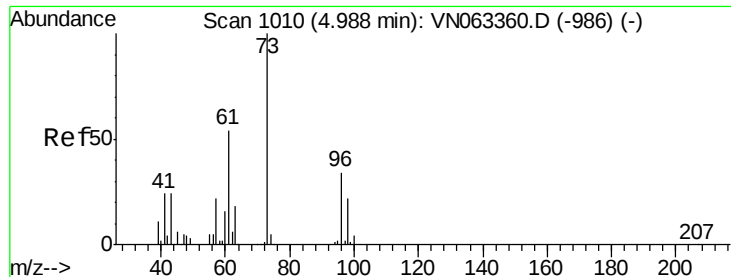
MMDadoda
9/22/2020 2:07:09 PM



#20
Methylene Chloride
Concen: 17.615 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion: 84 Resp: 74255
Ion Ratio Lower Upper
84 100
49 130.9 110.7 166.1
51 41.7 32.9 49.3
86 61.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.736 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

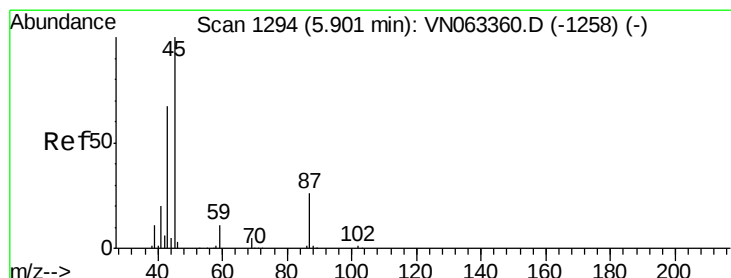
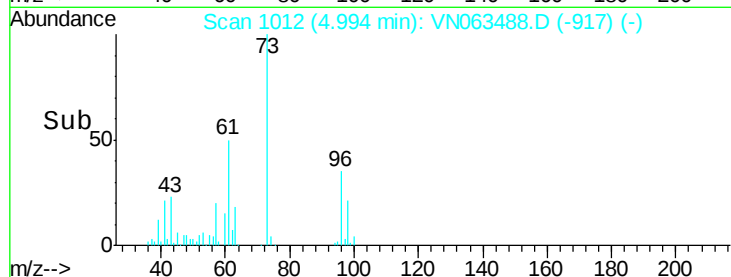
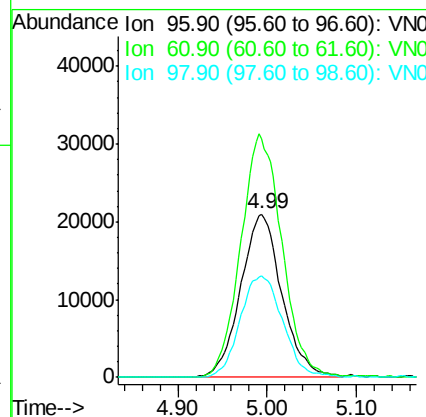
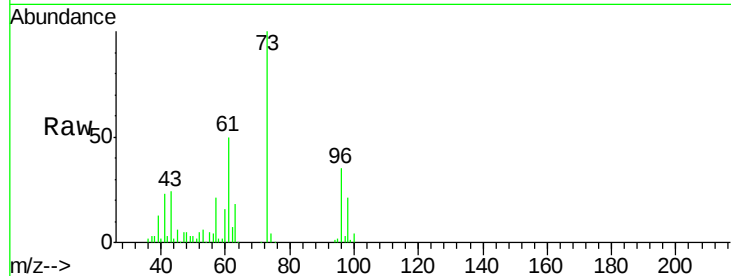
ClientSampleId :

VN0921WBSD01

Tot Ion:	96	Resp:	67440
Ion	Ratio	Lower	Upper
96	100		
61	146.0	126.2	189.4
98	62.0	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#22

Diisopropyl ether

Concen: 17.580 ug/l

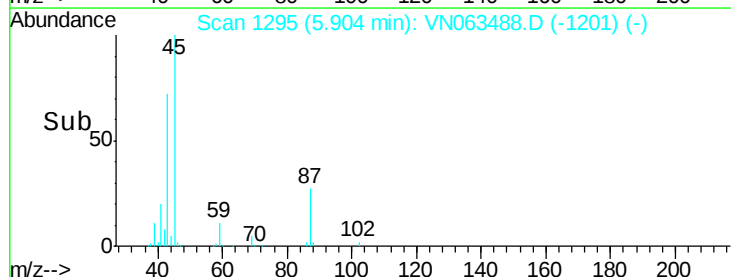
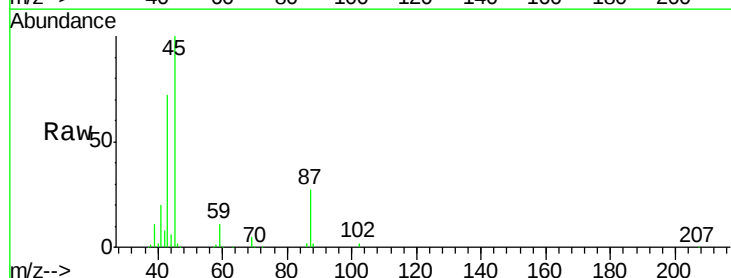
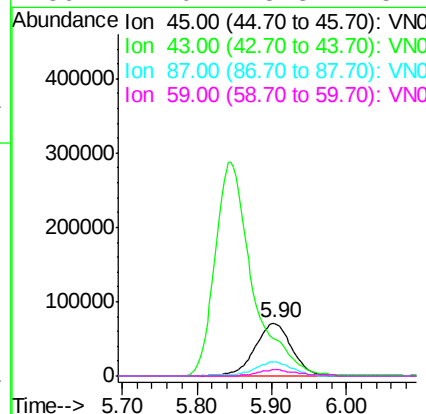
RT: 5.90 min Scan# 1295

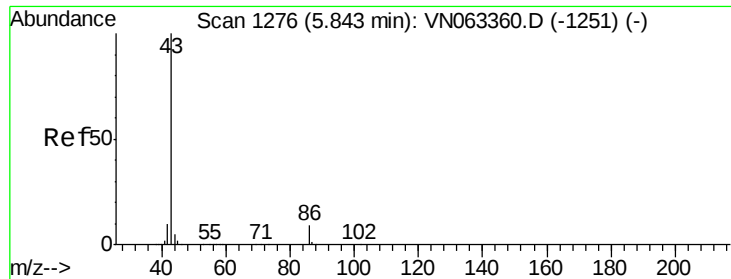
Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion:	45	Resp:	243405
Ion	Ratio	Lower	Upper
45	100		
43	68.9	53.5	80.3
87	26.9	21.2	31.8
59	11.0	8.8	13.2





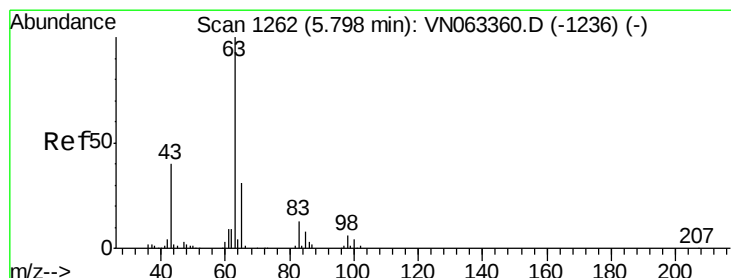
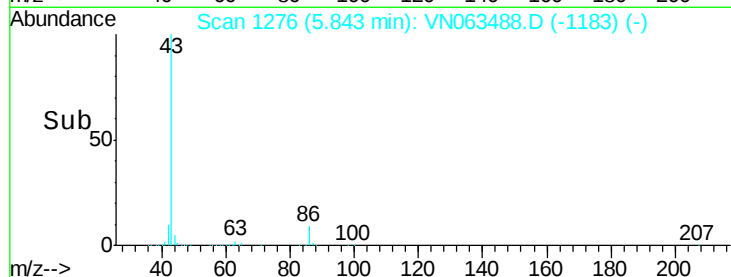
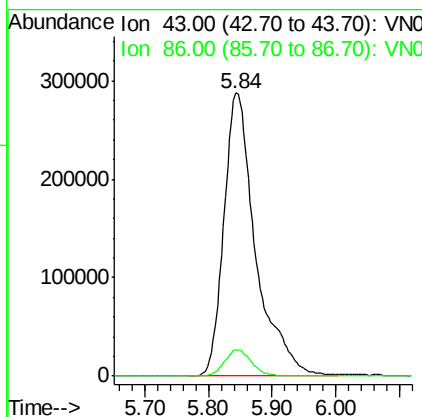
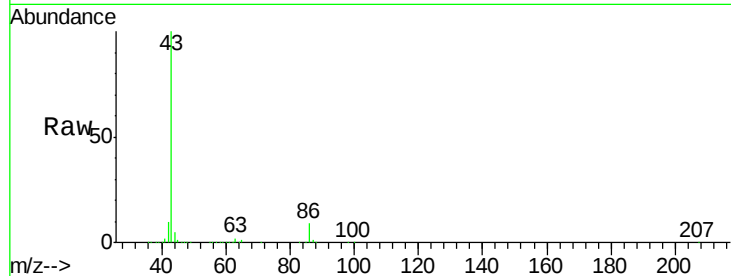
#23
 Vinyl Acetate
 Concen: 88.000 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion: 43 Resp: 1000622
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.1 10.7

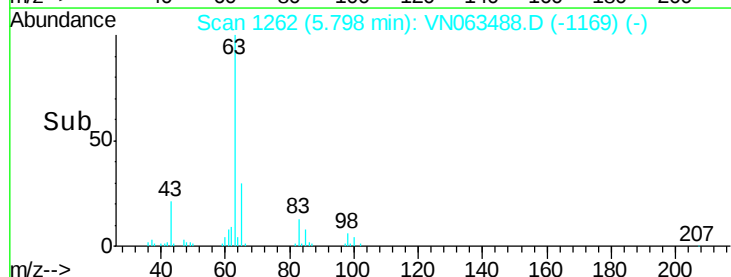
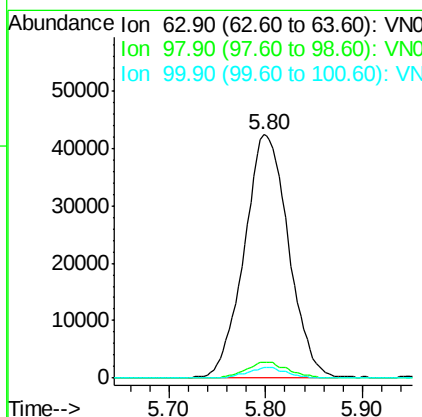
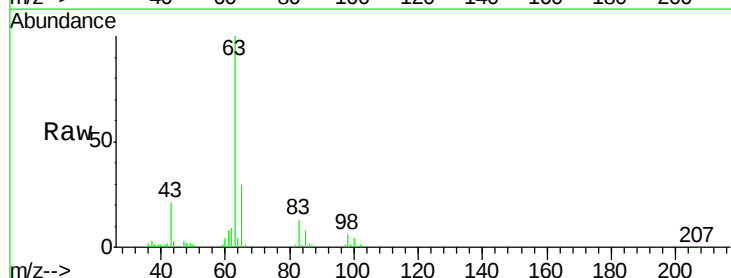
Manual Integrations
 APPROVED

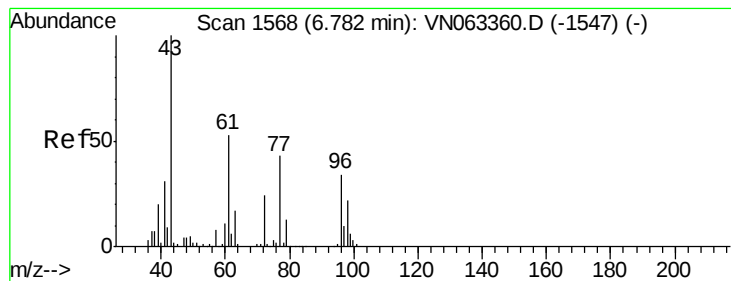
MMDadoda
 9/22/2020 2:07:09 PM



#24
 1,1-Dichloroethane
 Concen: 17.840 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tgt Ion: 63 Resp: 134849
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.8
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 80.761 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 43 Resp: 206661

Ion Ratio Lower Upper

43 100

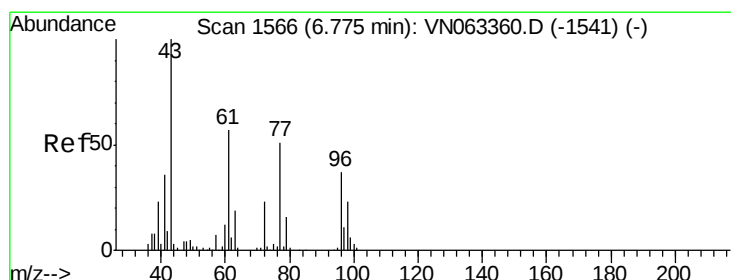
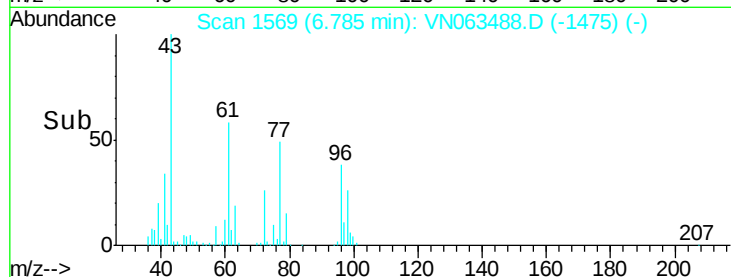
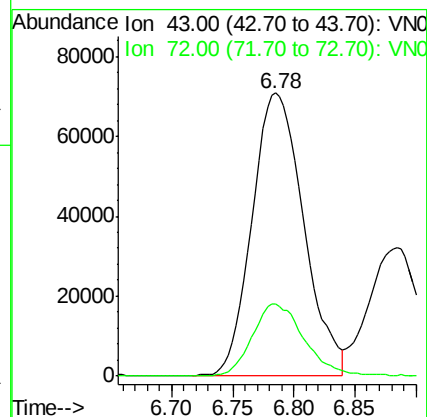
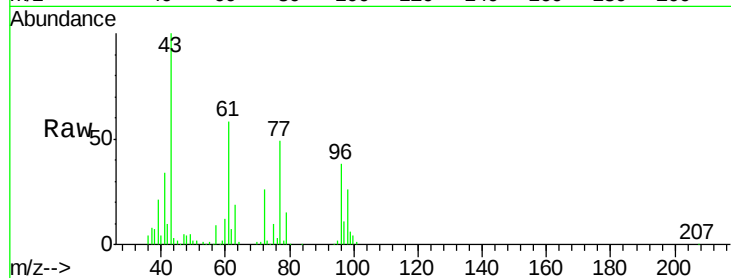
72 25.7 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



#26

2,2-Dichloropropane

Concen: 16.742 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063488.D

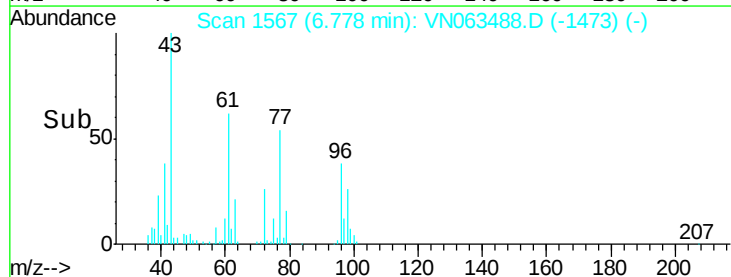
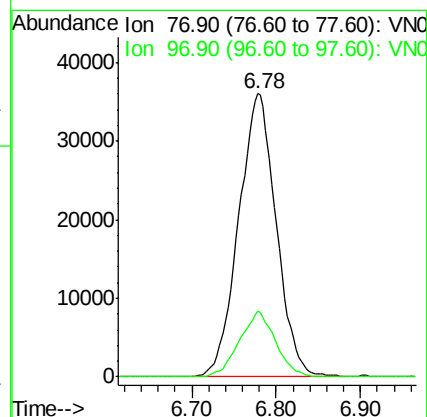
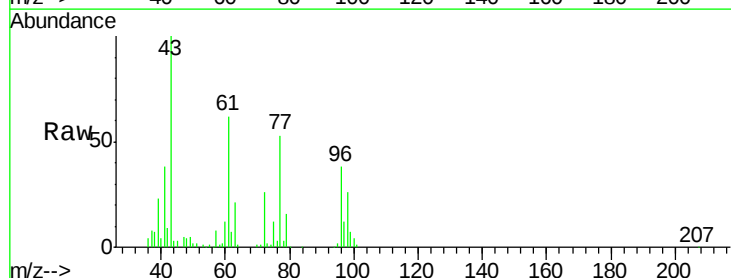
Acq: 21 Sep 2020 16:09

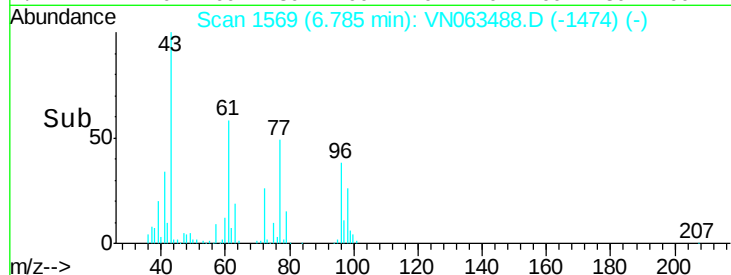
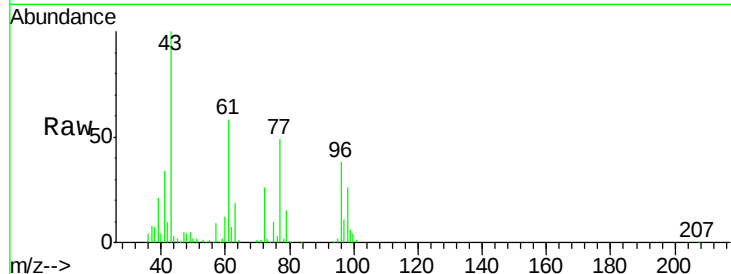
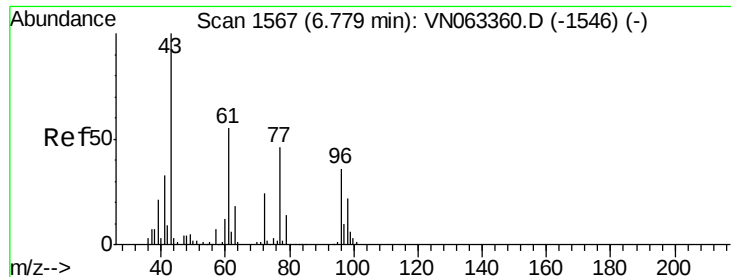
Tgt Ion: 77 Resp: 111419

Ion Ratio Lower Upper

77 100

97 22.2 10.5 31.6





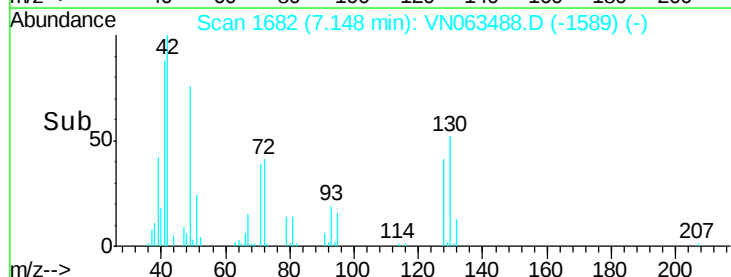
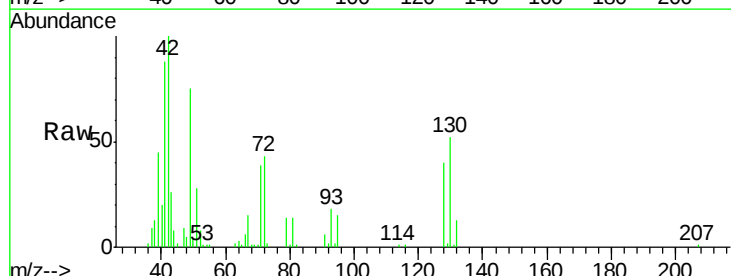
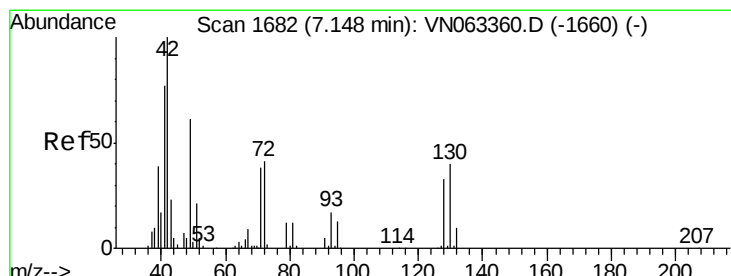
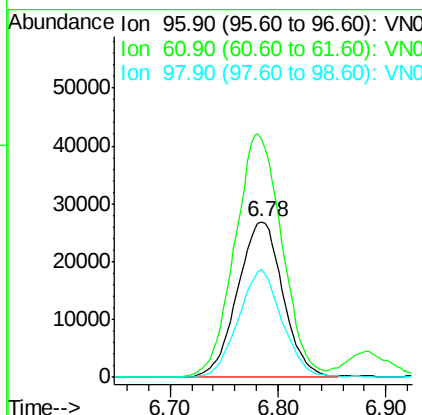
#27
 cis-1,2-Dichloroethene
 Concen: 18.252 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tot Ion	Ratio	Resp	Lower	Upper
96	100	78553		
61	161.8		0.0	319.6
98	66.3		0.0	127.8

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

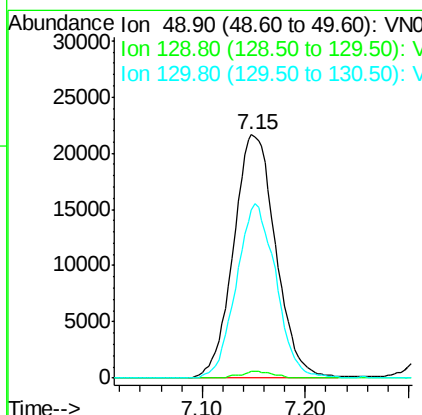
Manual Integrations
 APPROVED

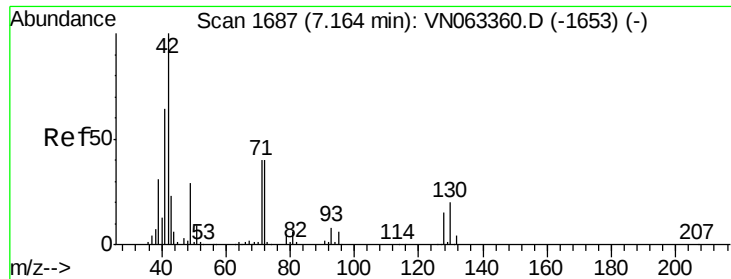
MMDadoda
 9/22/2020 2:07:09 PM



#28
 Bromochloromethane
 Concen: 17.633 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	61543		
129	2.1		0.0	3.8
130	67.4		52.2	78.2





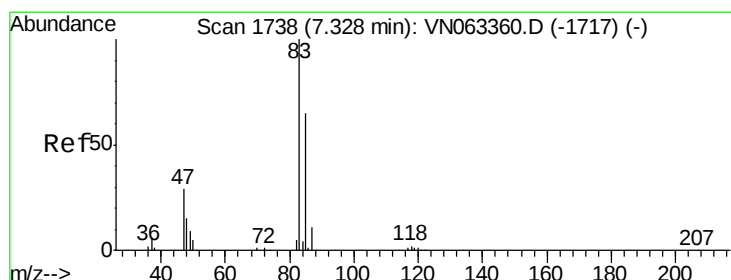
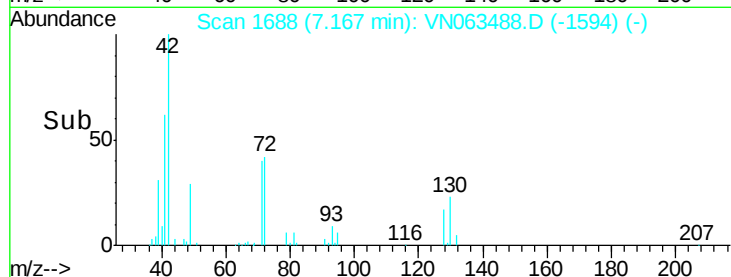
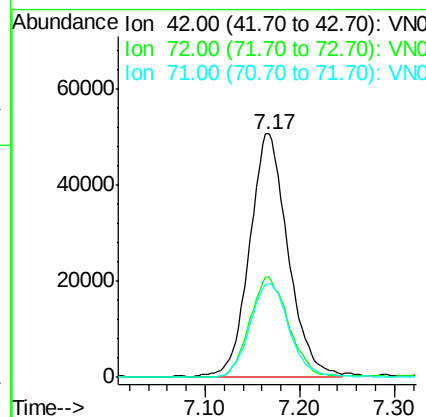
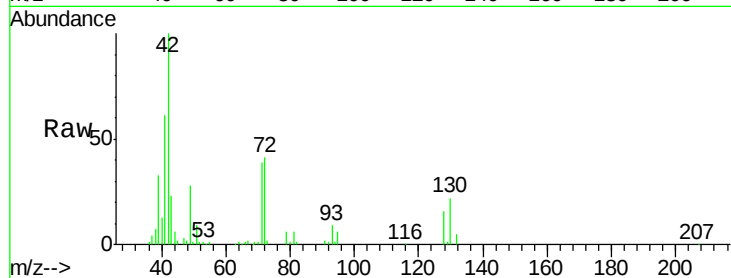
#29
Tetrahydrofuran
Concen: 81.212 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.1	48.1
71	39.5	31.2	46.8

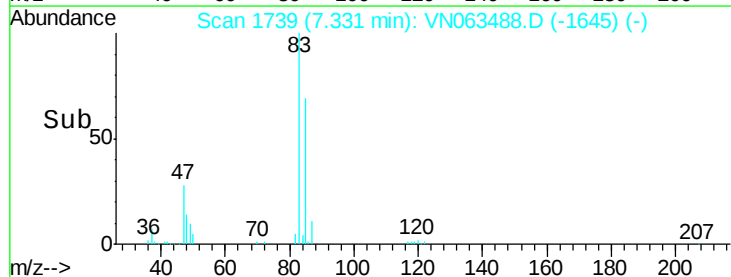
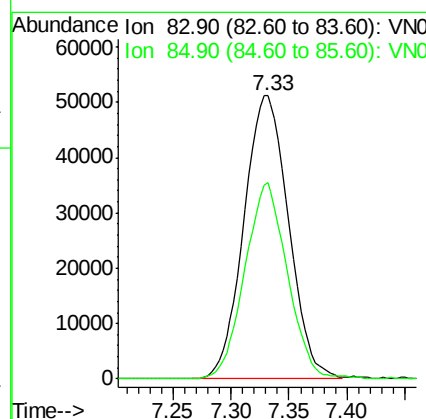
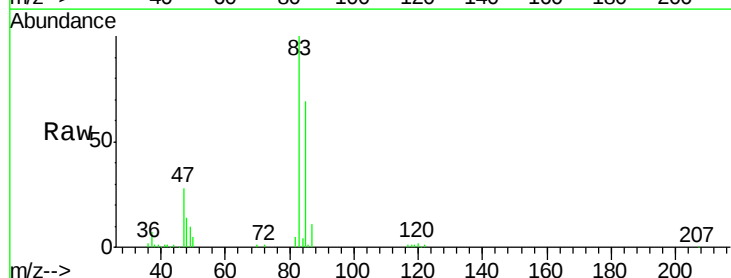
Manual Integrations
APPROVED

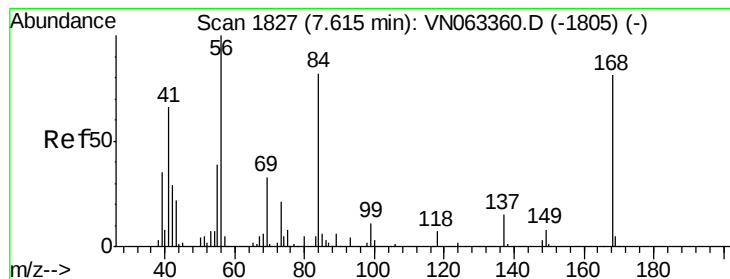
MMDadoda
9/22/2020 2:07:09 PM



#30
Chloroform
Concen: 18.134 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.2	52.1	78.1





#31

Cyclohexane

Concen: 16.986 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

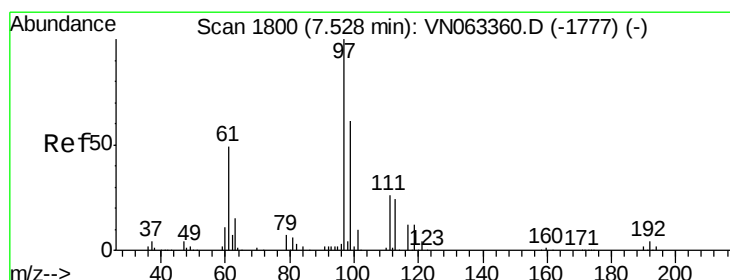
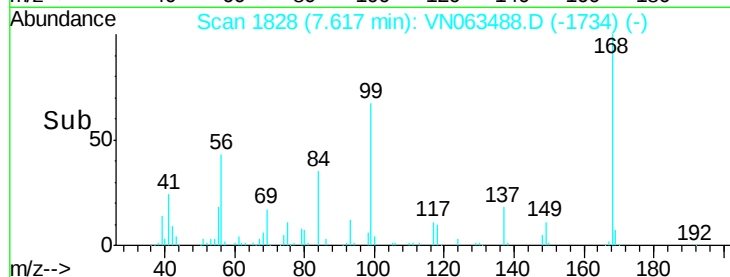
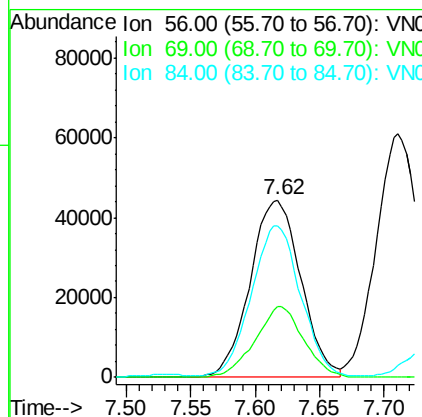
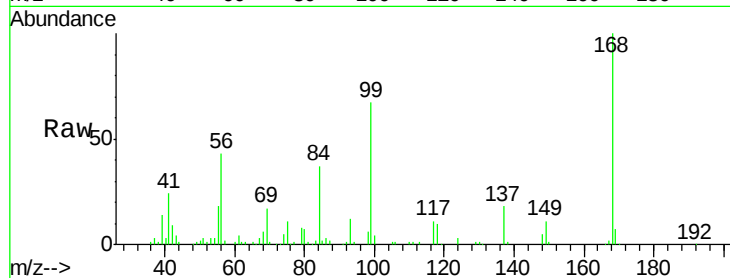
ClientSampleId :

VN0921WBSD01

Tot Ion:	56	Resp:	121449
Ion Ratio	Lower	Upper	
56	100		
69	40.1	26.1	39.1#
84	84.2	65.4	98.2

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#32

1,1,1-Trichloroethane

Concen: 18.022 ug/l

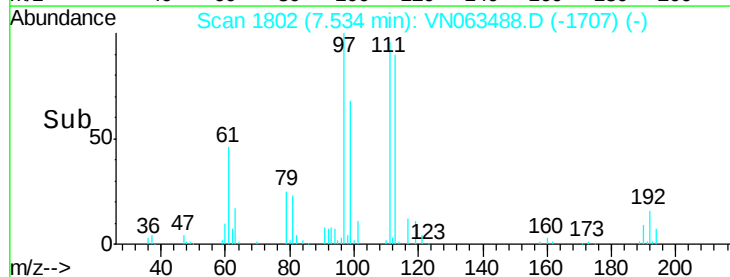
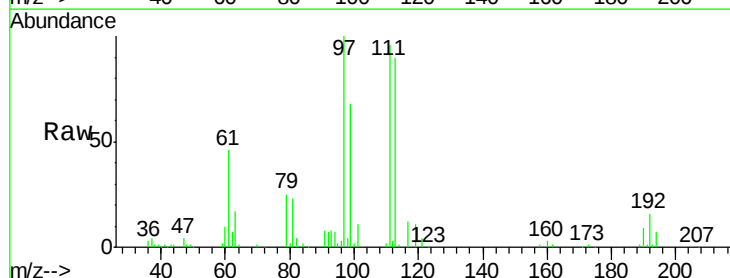
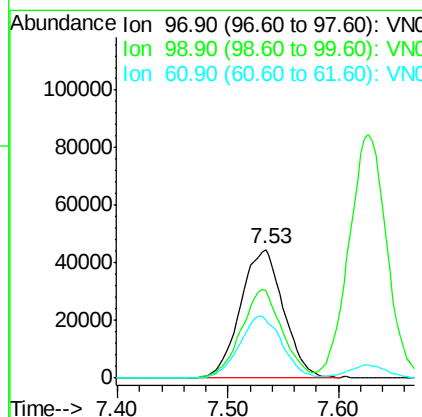
RT: 7.53 min Scan# 1802

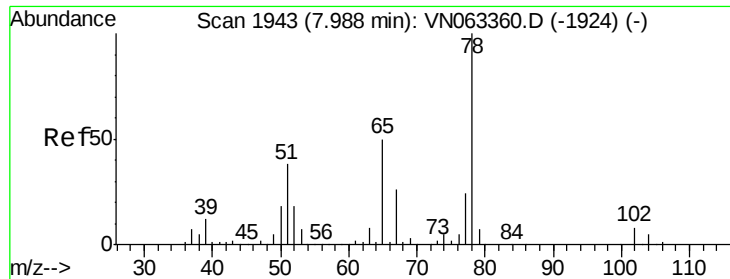
Delta R.T. 0.01 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion:	97	Resp:	121562
Ion Ratio	Lower	Upper	
97	100		
99	65.5	50.6	76.0
61	47.5	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 44.078 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 65 Resp: 228193

Ion Ratio Lower Upper

65 100

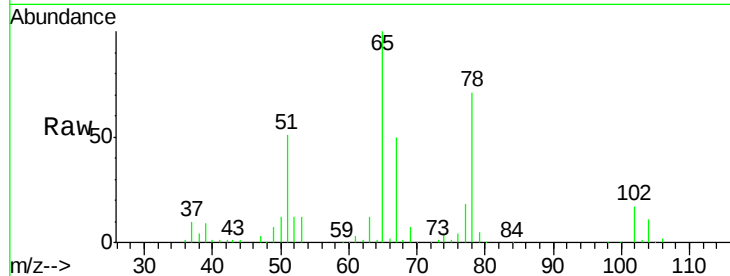
67 51.3 0.0 104.2

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)

7.99

100000

80000

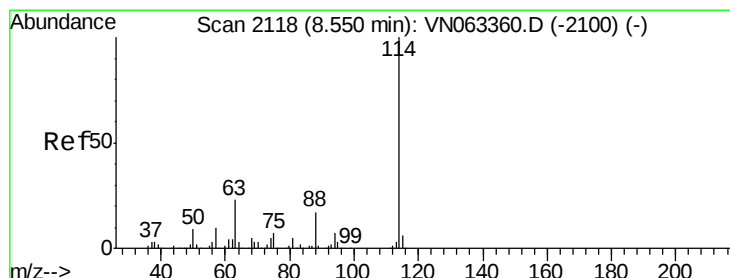
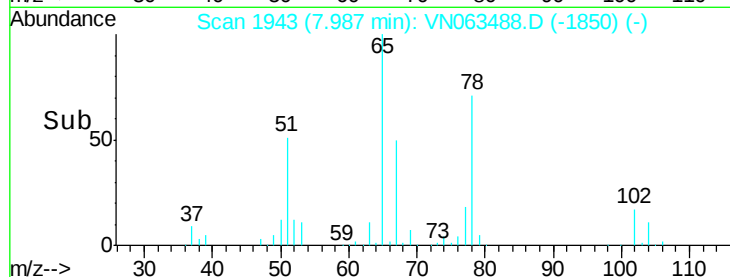
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

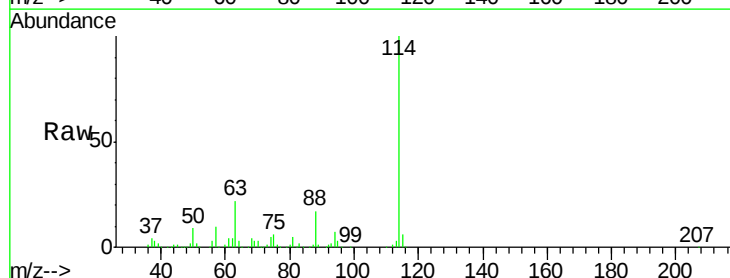
Tgt Ion: 114 Resp: 538284

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.4

88 16.7 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

8.55

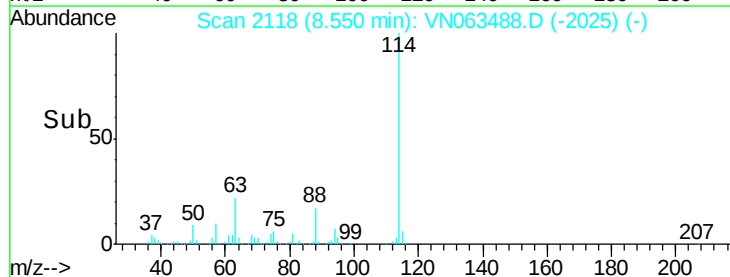
300000

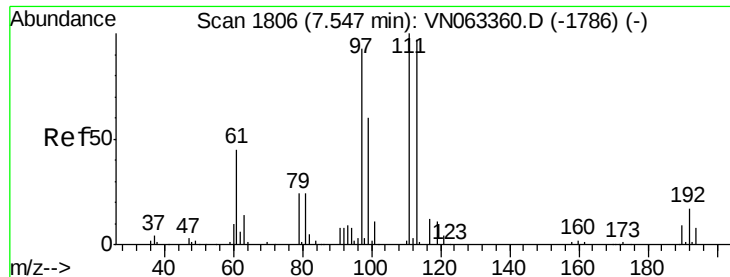
200000

100000

0

Time-->





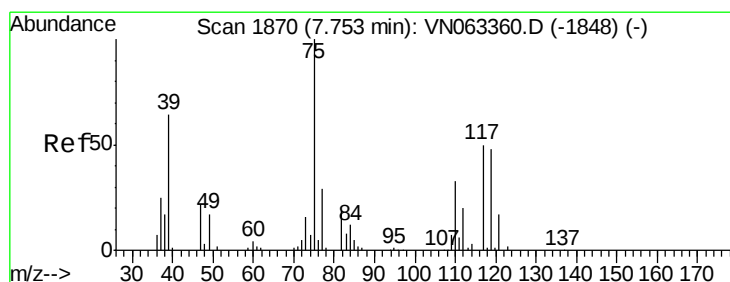
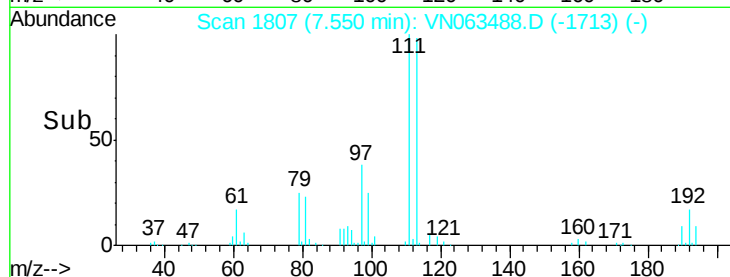
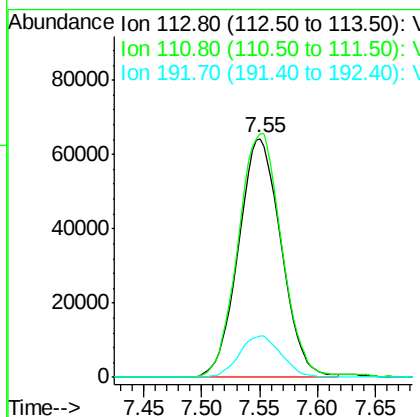
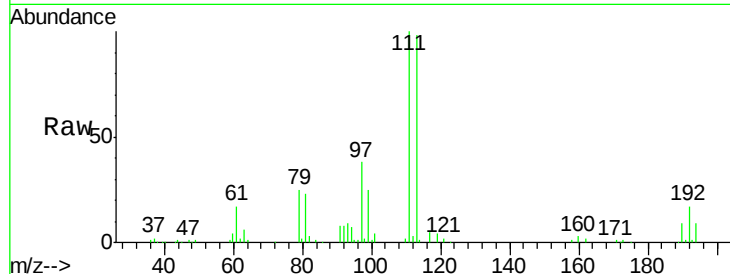
#35
 Dibromofluoromethane
 Concen: 44.151 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.2	82.9	124.3	
192	17.2	13.9	20.9	

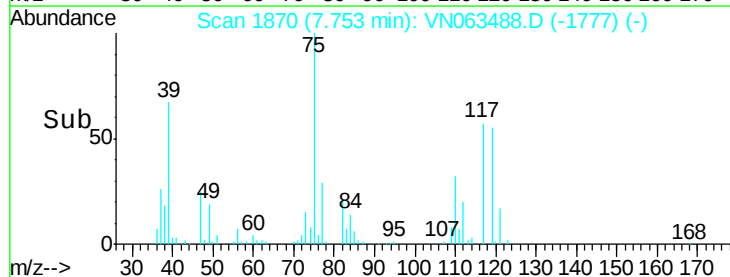
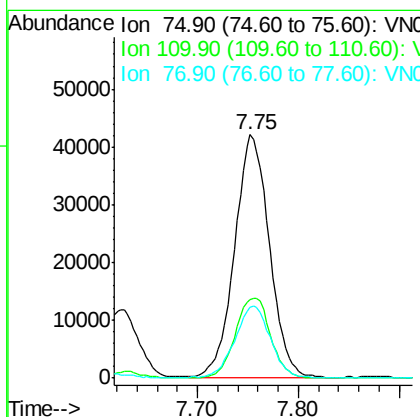
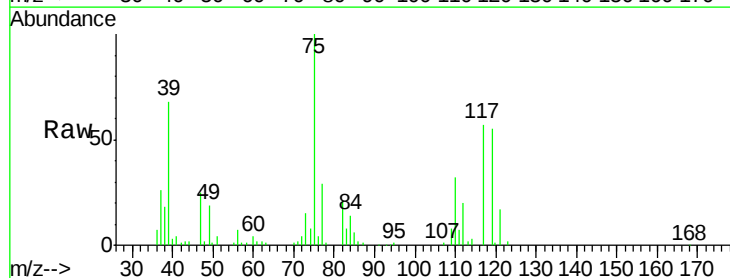
Manual Integrations
 APPROVED

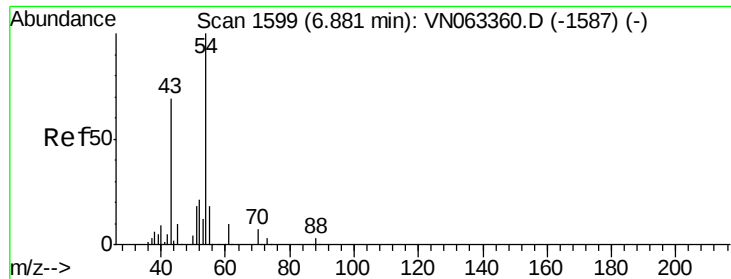
MMDadoda
 9/22/2020 2:07:09 PM



#36
 1,1-Dichloropropene
 Concen: 17.662 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.8	16.5	49.5	
77	30.4	24.6	36.8	





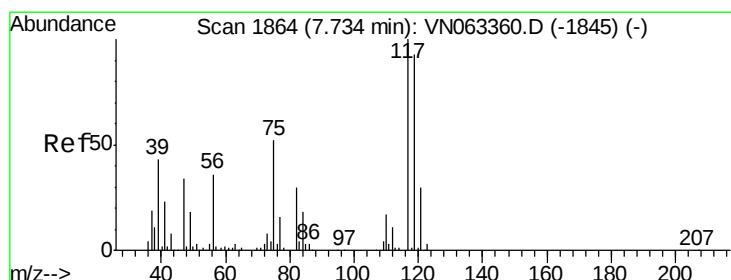
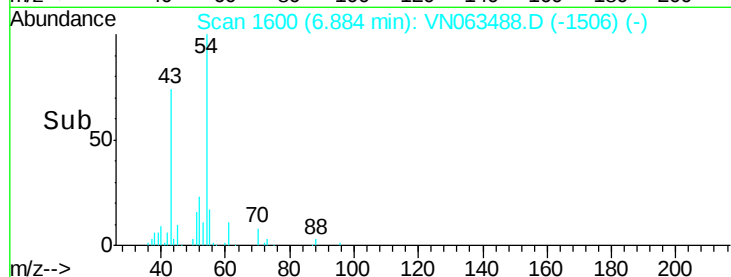
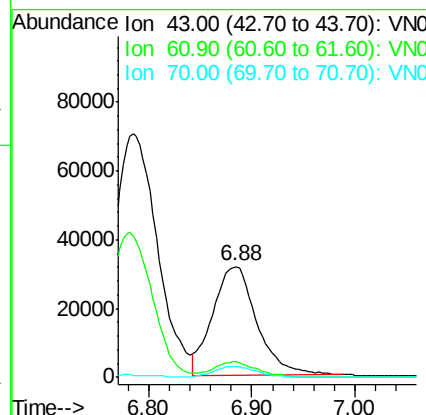
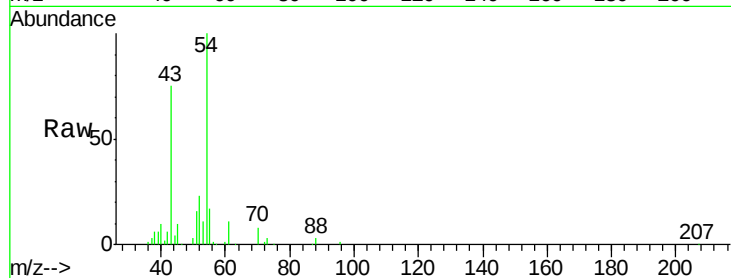
#37
Ethyl Acetate
Concen: 16.698 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleID :
VN0921WBSD01

Tot Ion	43	61	70
Resp	93984		
Ratio	100	13.0	9.9
Lower		10.6	7.2
Upper		15.8	10.8

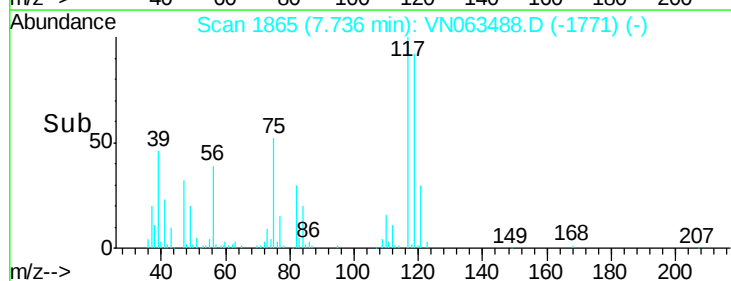
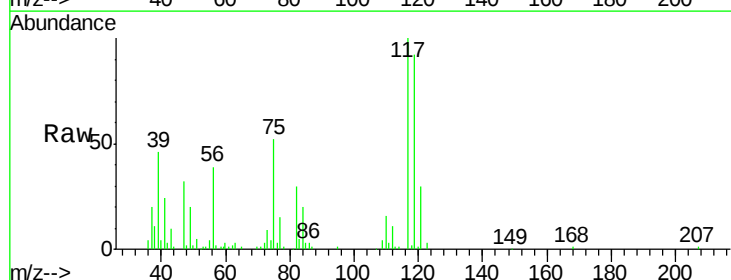
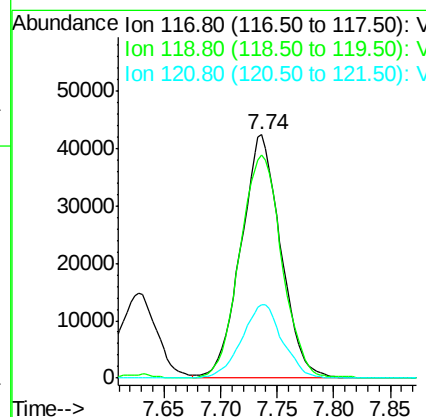
Manual Integrations
APPROVED

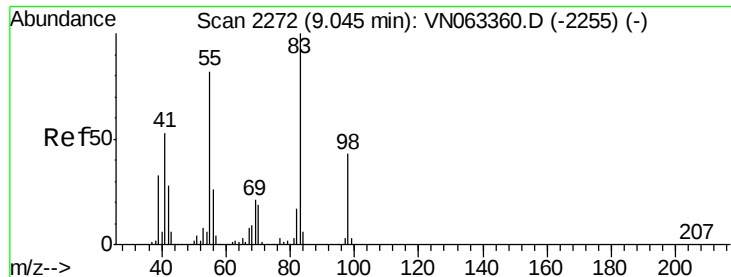
MMDadoda
9/22/2020 2:07:09 PM



#38
Carbon Tetrachloride
Concen: 17.779 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	117	119	121
Resp	104079		
Ratio	100	91.7	30.2
Lower		74.5	24.1
Upper		111.7	36.1





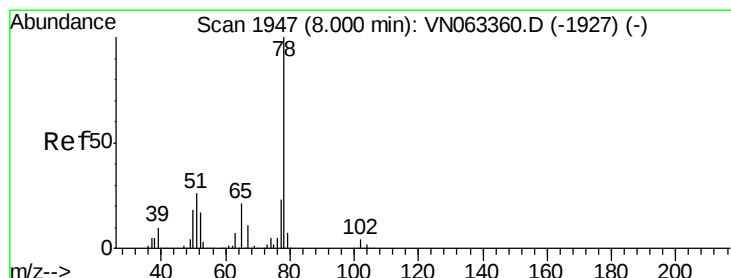
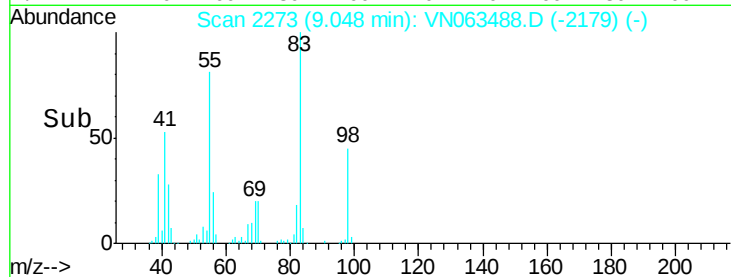
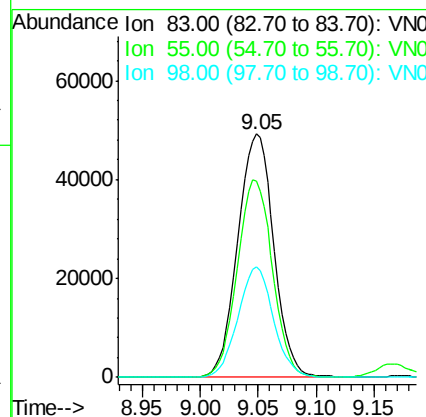
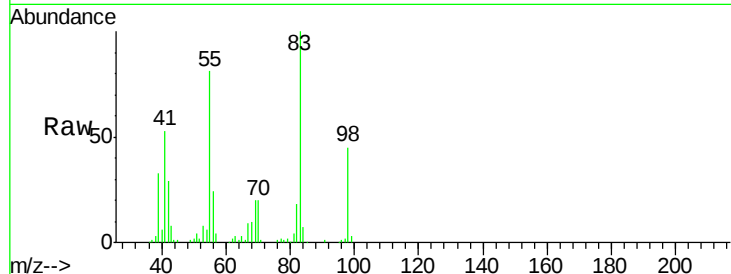
#39
Methvlcvclohexane
Concen: 17.043 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	65.5	98.3
98	45.5	34.2	51.4

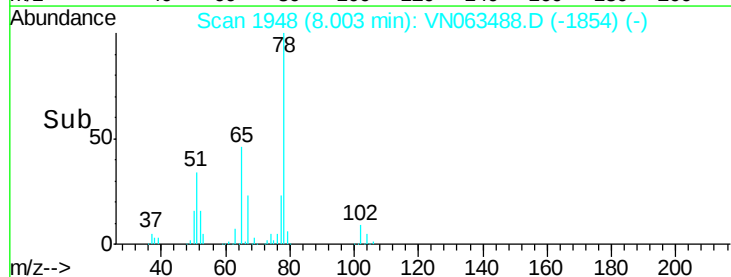
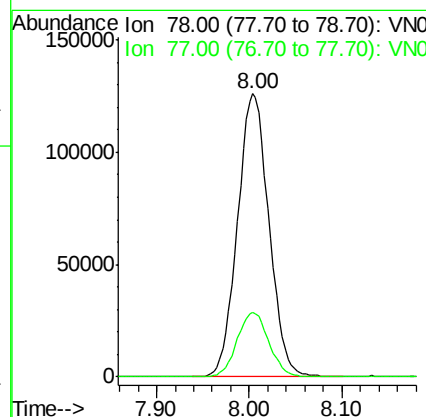
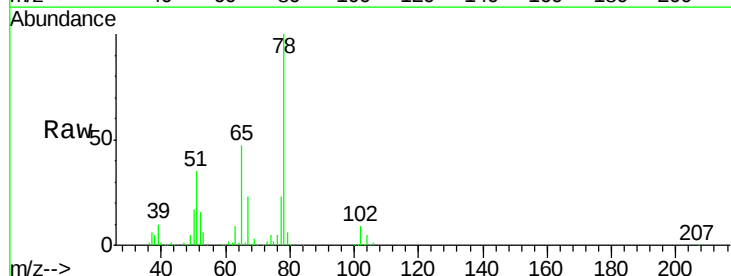
Manual Integrations
APPROVED

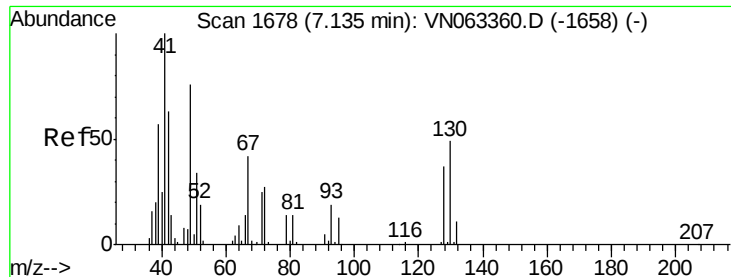
MMDadoda
9/22/2020 2:07:09 PM



#40
Benzene
Concen: 18.115 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5





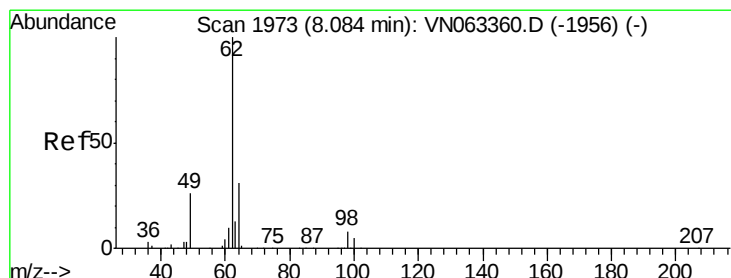
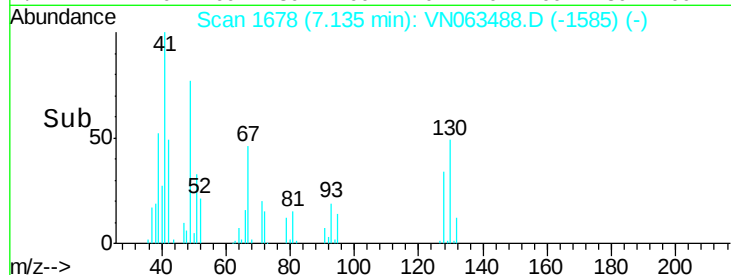
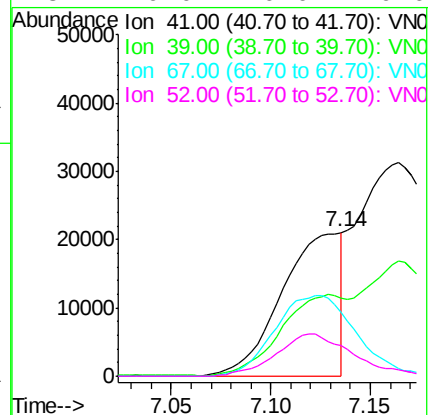
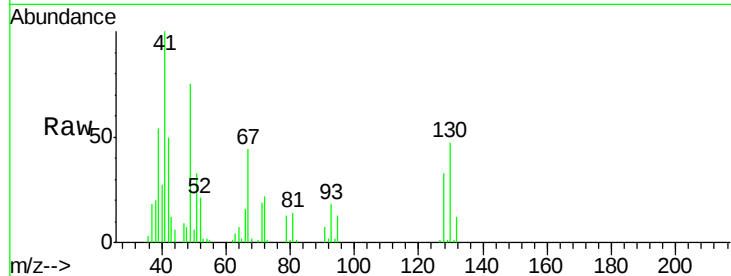
#41
Methacrylonitrile
Concen: 17.303 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

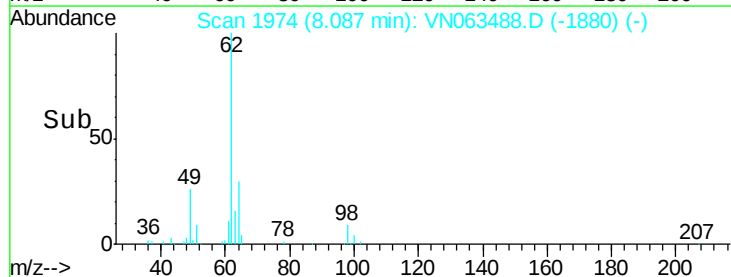
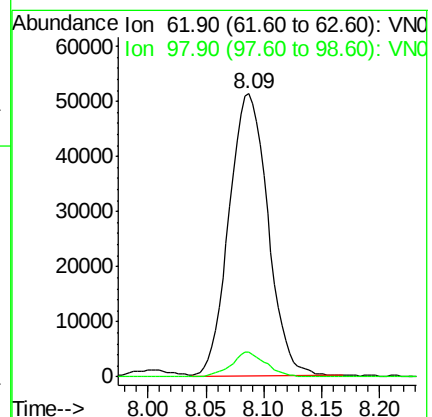
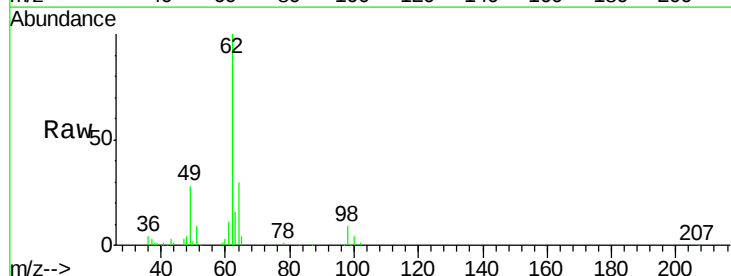
Manual Integrations
APPROVED

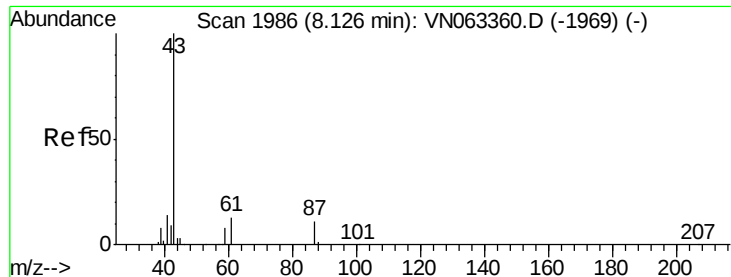
MMDadoda
9/22/2020 2:07:09 PM



#42
1,2-Dichloroethane
Concen: 18.136 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





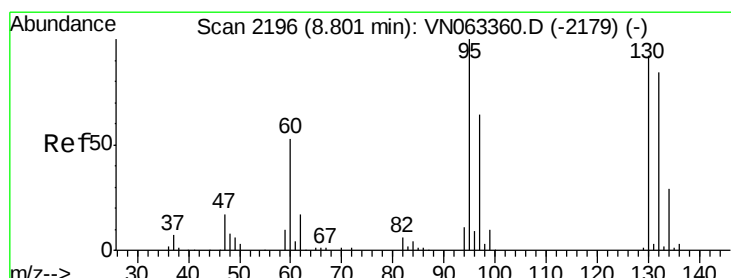
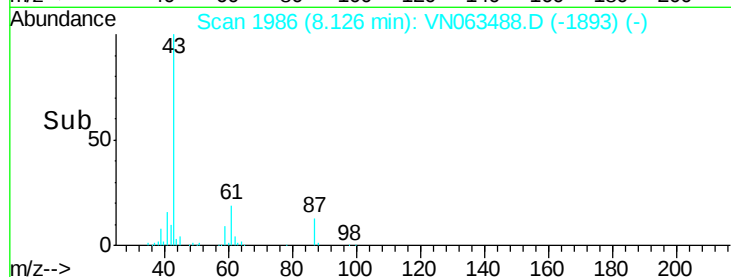
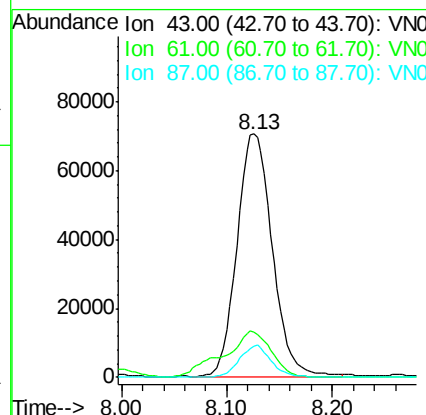
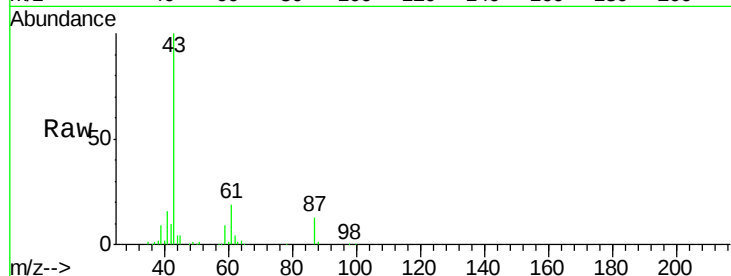
#43
Isopropyl Acetate
Concen: 16.233 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	14.2	21.2#
87	11.9	9.0	13.6

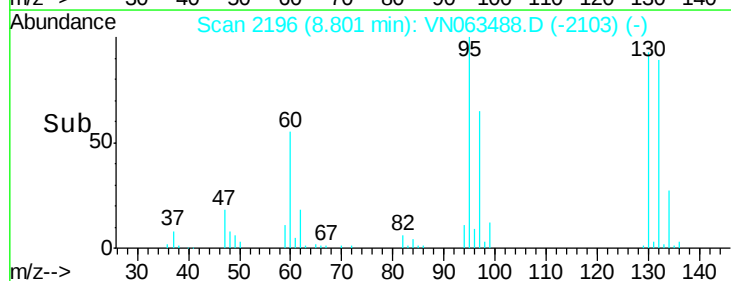
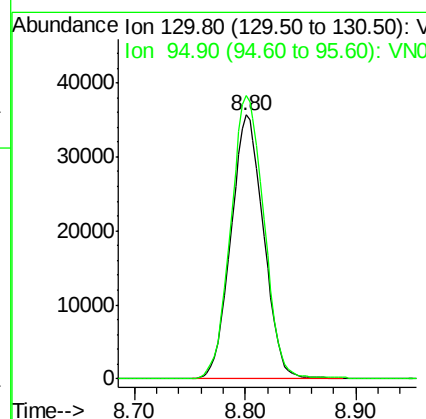
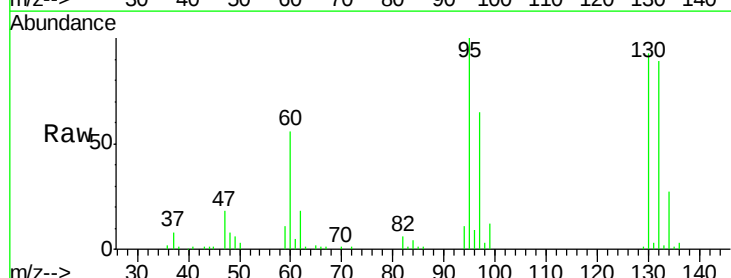
Manual Integrations
APPROVED

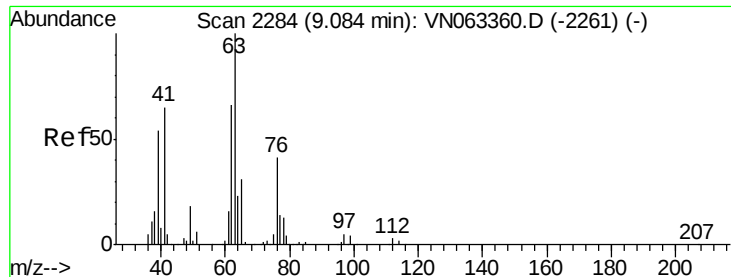
MMDadoda
9/22/2020 2:07:09 PM



#44
Trichloroethene
Concen: 18.427 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	217.4





#45

1,2-Dichloropropane

Concen: 18.097 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 63 Resp: 80687

Ion Ratio Lower Upper

63 100

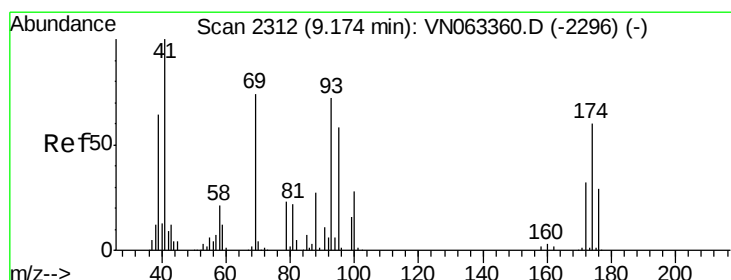
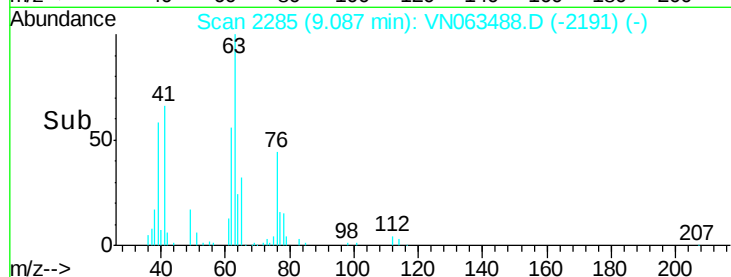
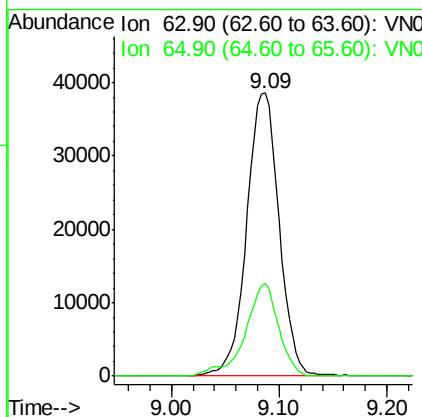
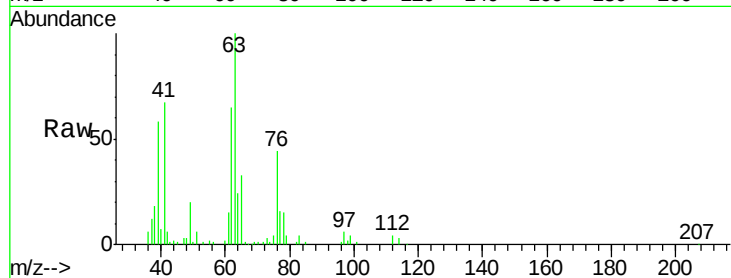
65 32.5 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



#46

Dibromomethane

Concen: 18.280 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

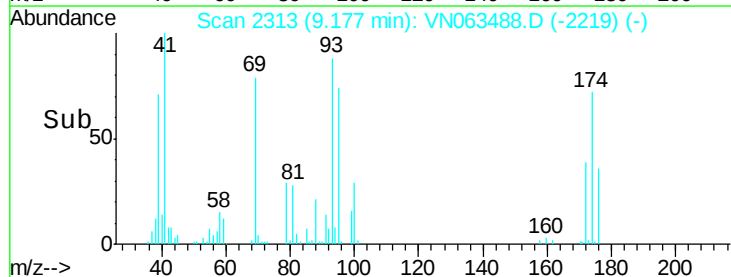
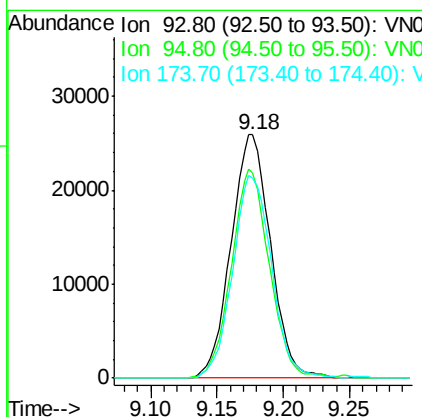
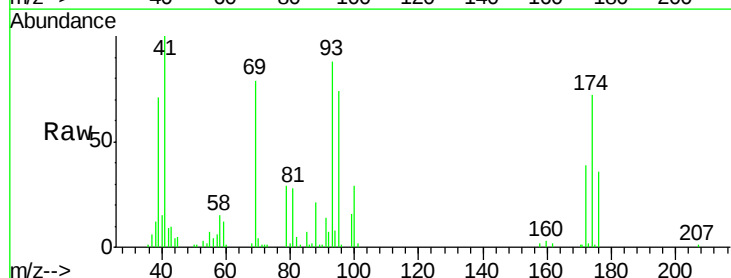
Tgt Ion: 93 Resp: 53567

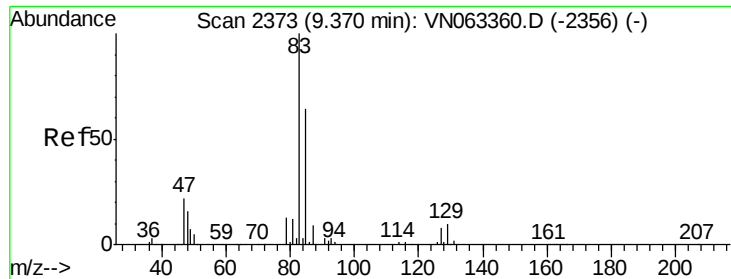
Ion Ratio Lower Upper

93 100

95 82.6 65.6 98.4

174 81.8 68.1 102.1





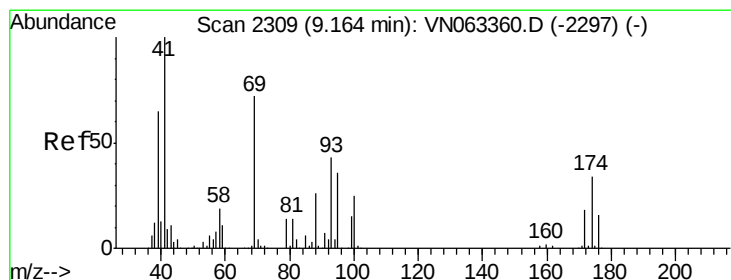
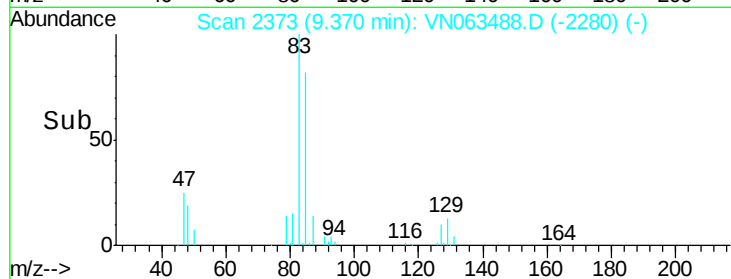
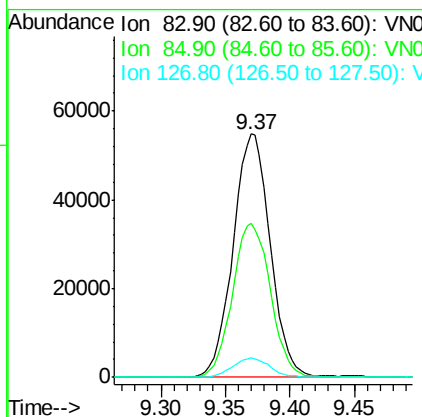
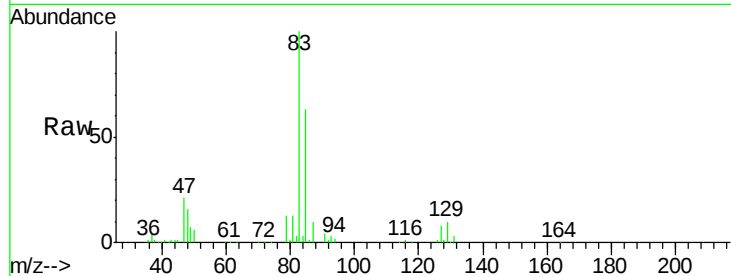
#47
Bromodichloromethane
Concen: 18.053 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	109902		
85	63.1		51.0	76.6
127	8.0		6.3	9.5

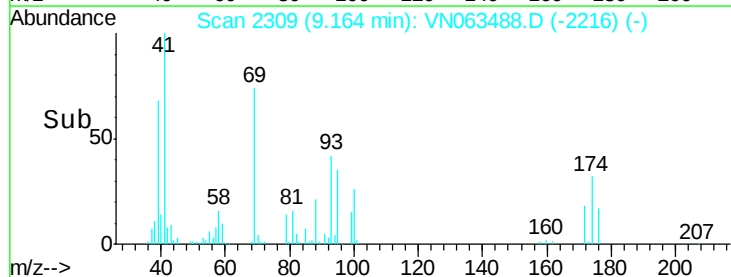
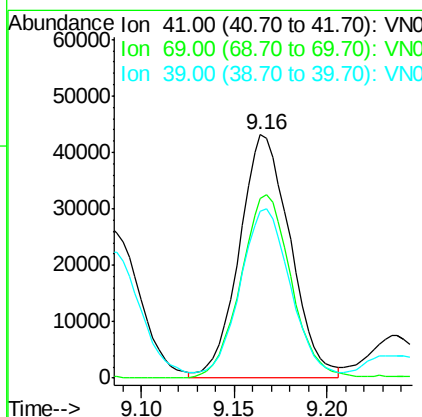
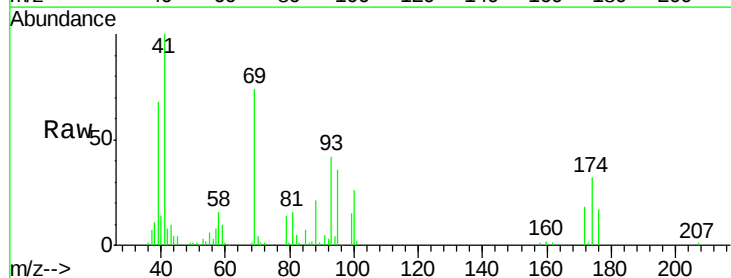
Manual Integrations
APPROVED

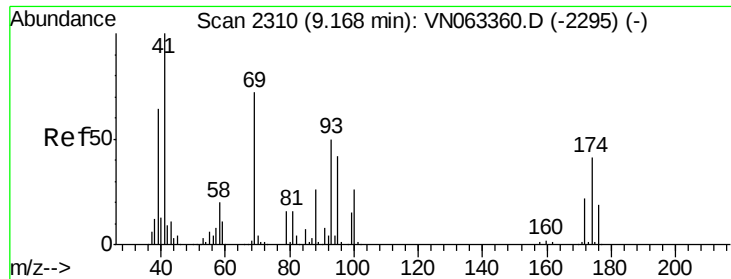
MMDadoda
9/22/2020 2:07:09 PM



#48
Methyl methacrylate
Concen: 16.510 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	81633		
69	75.0		59.3	88.9
39	65.3		52.9	79.3





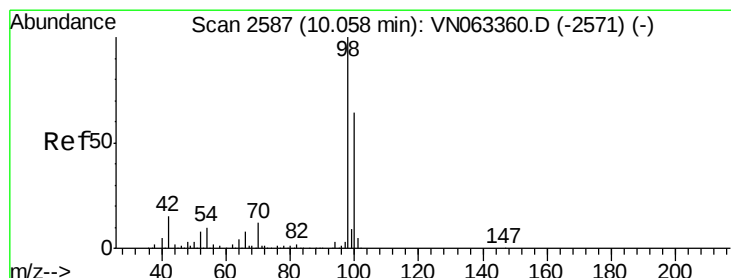
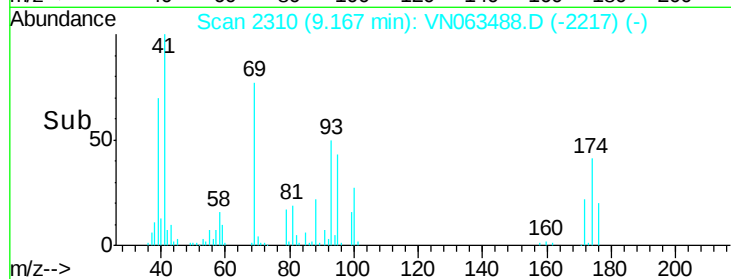
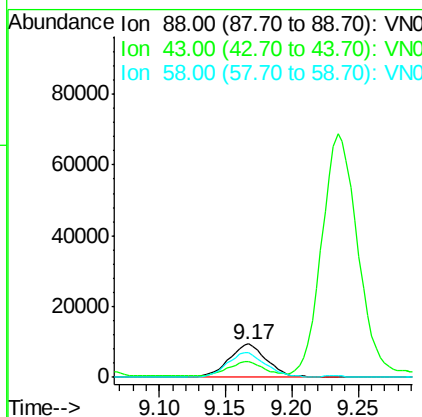
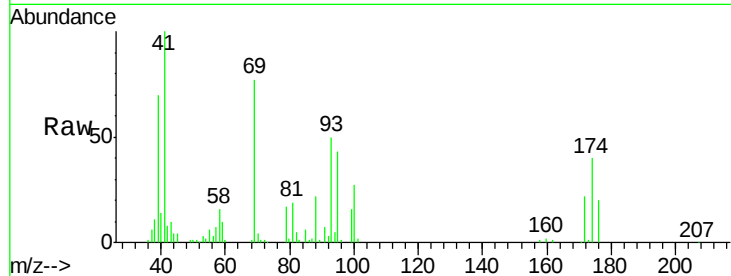
#49
1,4-Dioxane
Concen: 265.077 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	88	Resp	18809
Ion	Ratio	Lower	Upper
88	100		
43	38.9	32.6	49.0
58	75.2	60.0	90.0

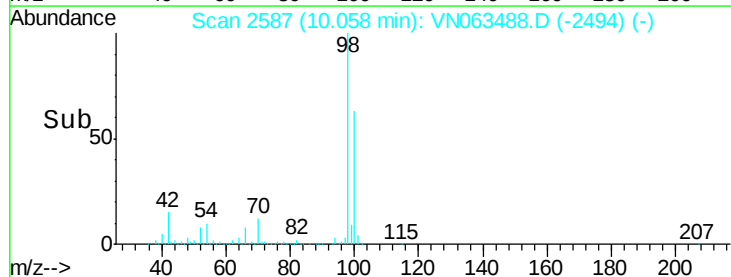
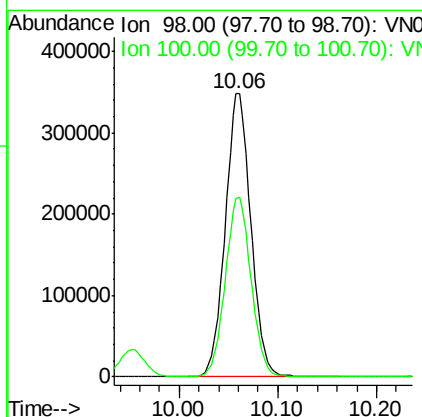
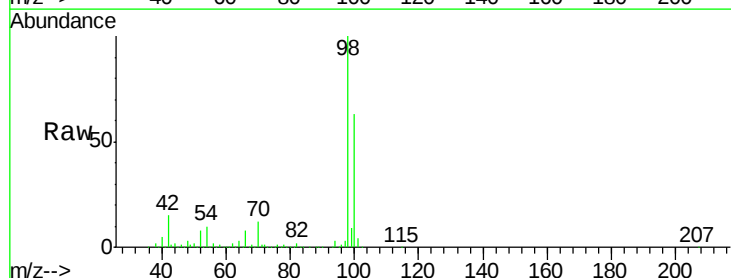
Manual Integrations
APPROVED

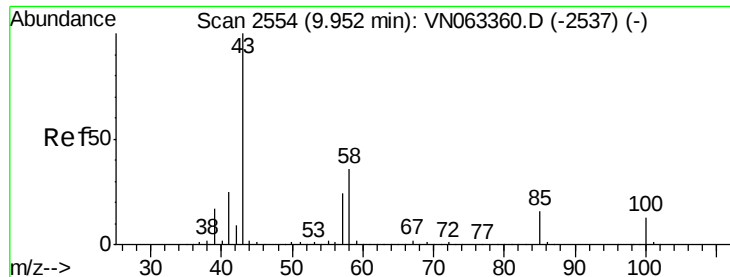
MMDadoda
9/22/2020 2:07:09 PM



#50
Toluene-d8
Concen: 45.183 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	98	Resp	633108
Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 83.536 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 43 Resp: 470659

Ion Ratio Lower Upper

43 100

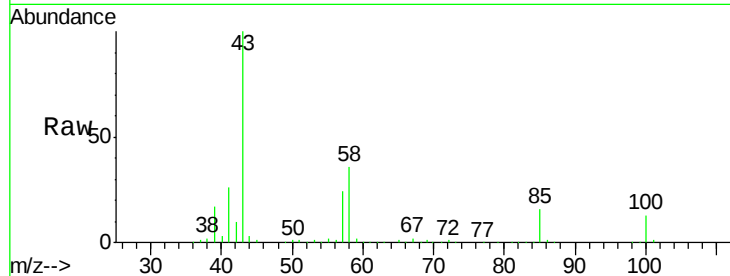
58 36.6 29.0 43.6

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

250000

200000

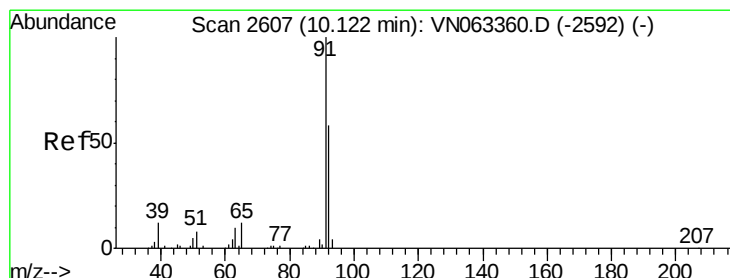
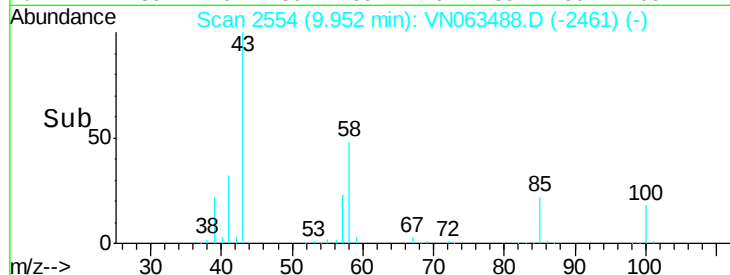
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.732 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063488.D

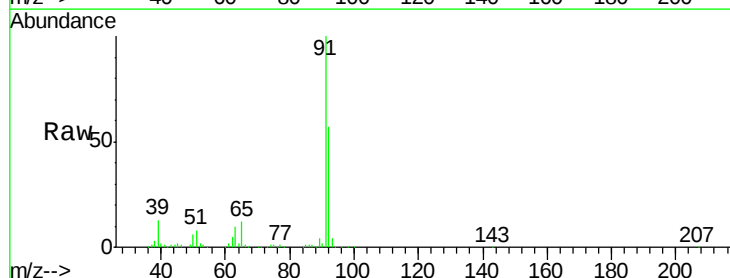
Acq: 21 Sep 2020 16:09

Tgt Ion: 92 Resp: 184366

Ion Ratio Lower Upper

92 100

91 173.9 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.13

200000

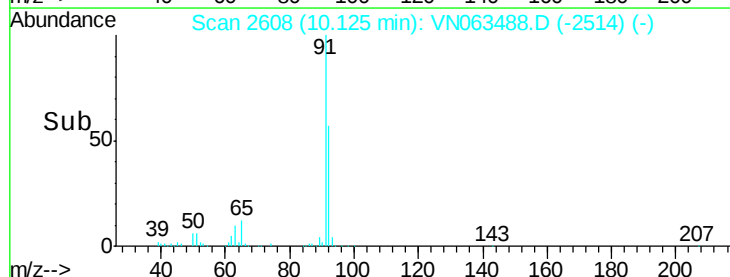
150000

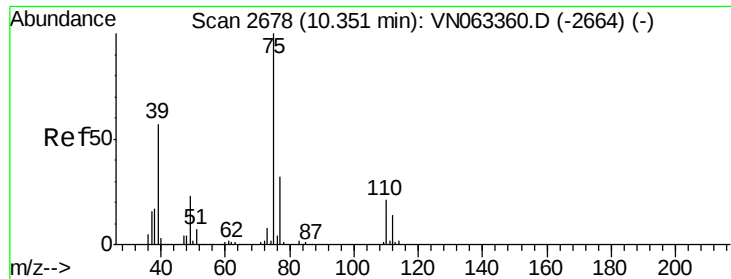
100000

50000

0

Time-->





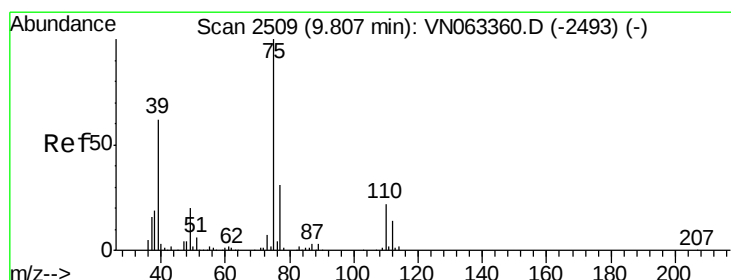
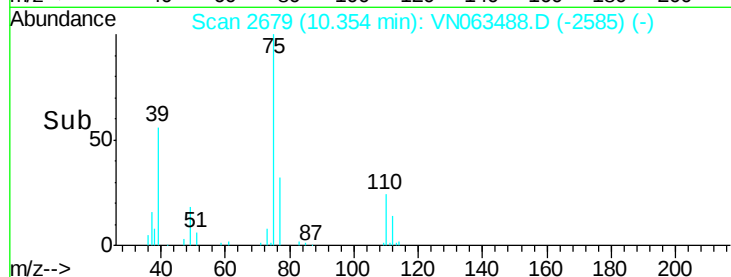
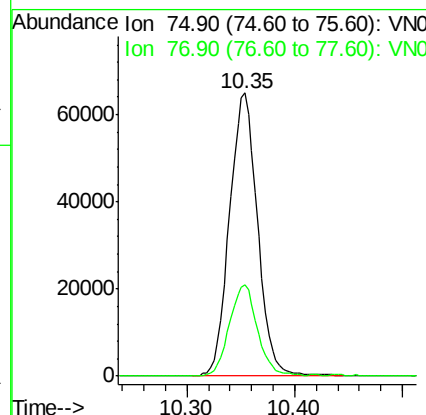
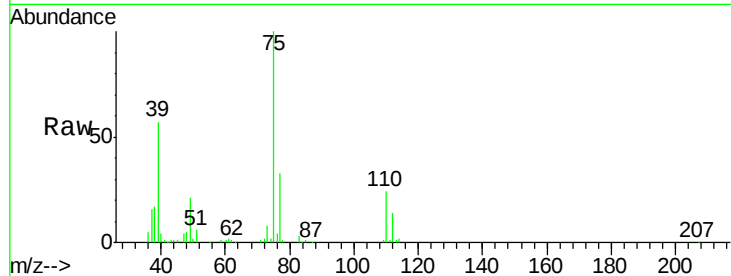
#53
t-1,3-Dichloropropene
Concen: 17.347 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion: 75 Resp: 117901
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

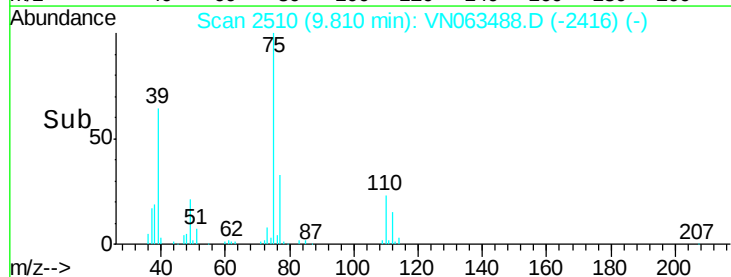
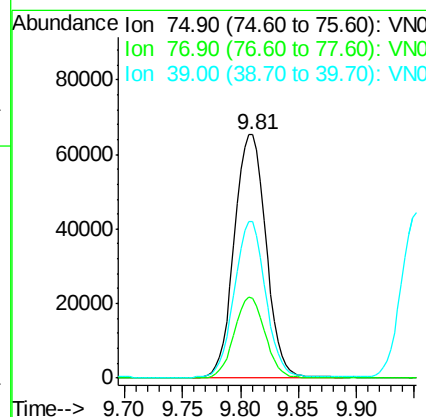
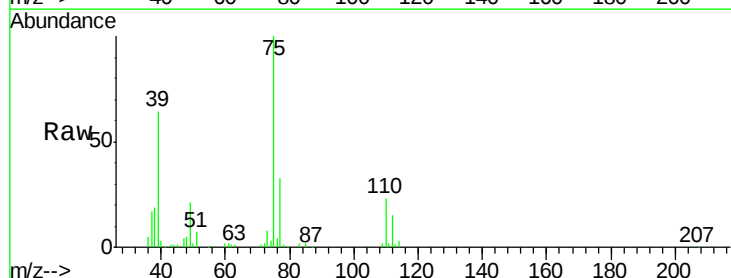
Manual Integrations
APPROVED

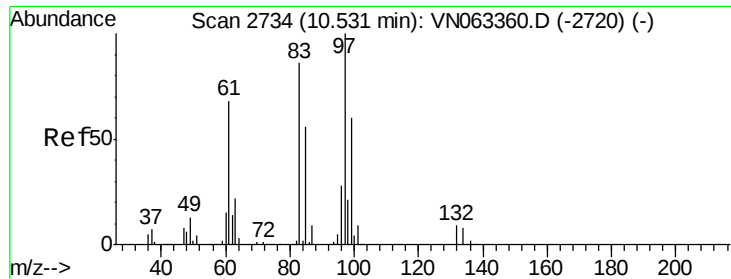
MMDadoda
9/22/2020 2:07:09 PM



#54
cis-1,3-Dichloropropene
Concen: 17.364 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion: 75 Resp: 124483
Ion Ratio Lower Upper
75 100
77 32.6 24.6 37.0
39 63.7 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 17.860 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

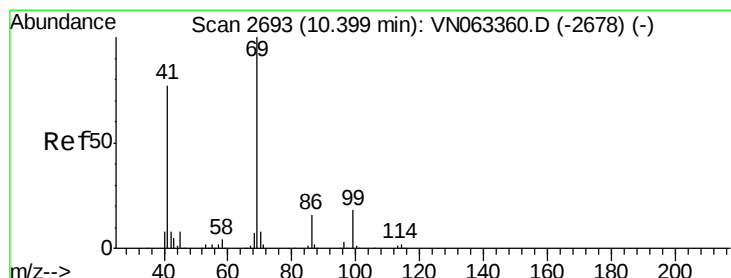
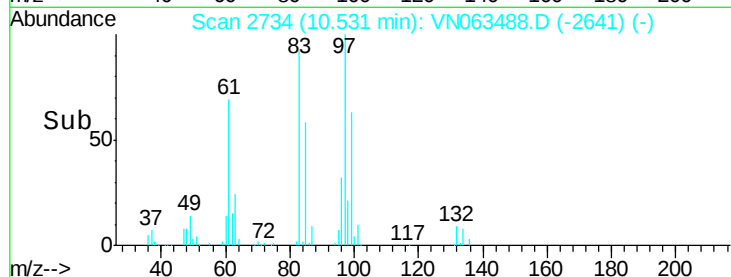
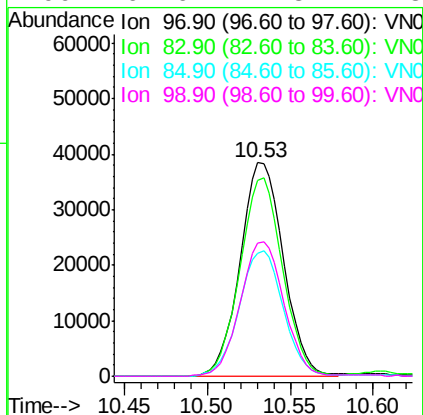
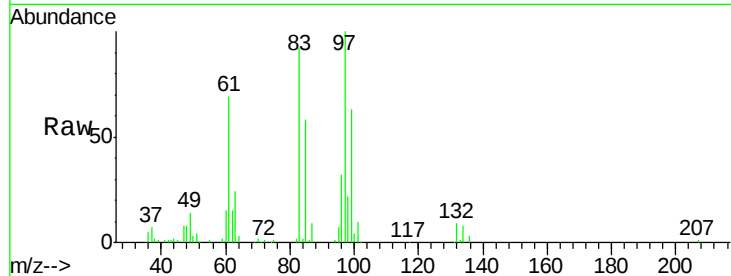
ClientSampleId :

VN0921WBSD01

Tot Ion:	97	Resp:	69821
Ion	Ratio	Lower	Upper
97	100		
83	91.7	68.9	103.3
85	57.6	44.8	67.2
99	62.6	47.8	71.8

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#56

Ethyl methacrylate

Concen: 17.286 ug/l

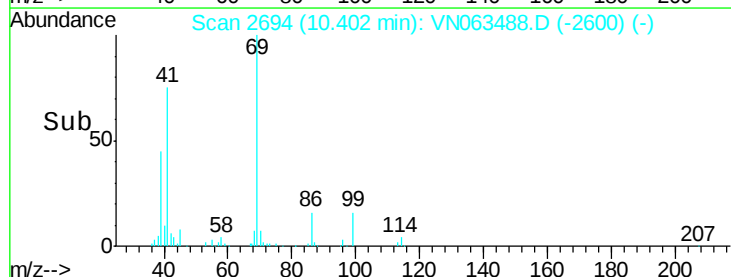
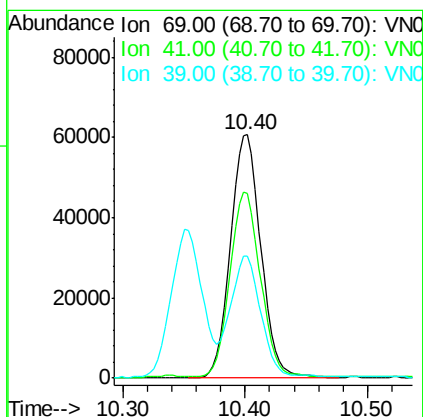
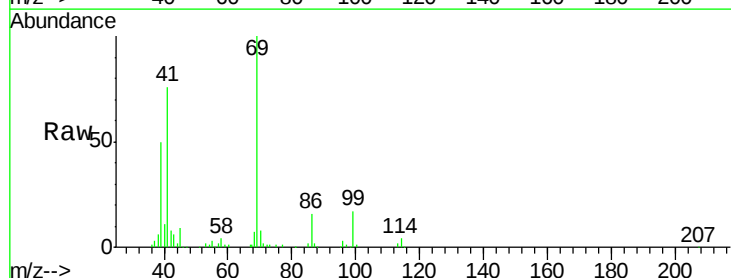
RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion:	69	Resp:	105498
Ion	Ratio	Lower	Upper
69	100		
41	75.8	61.0	91.6
39	49.6	39.2	58.8





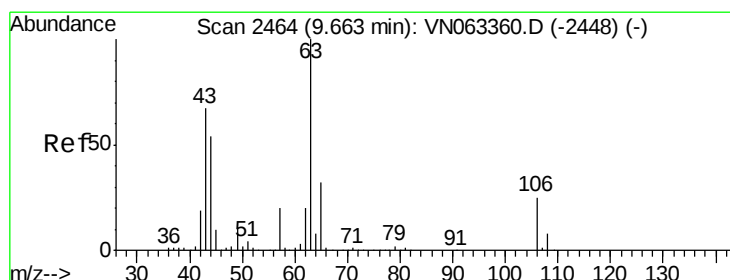
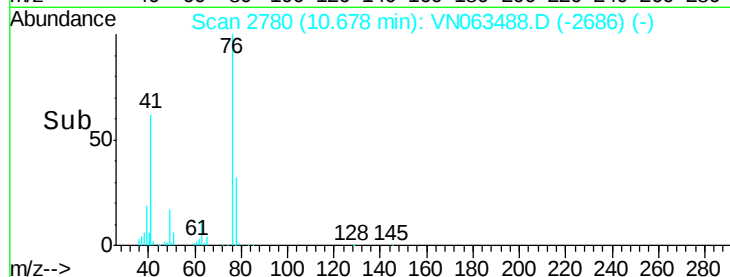
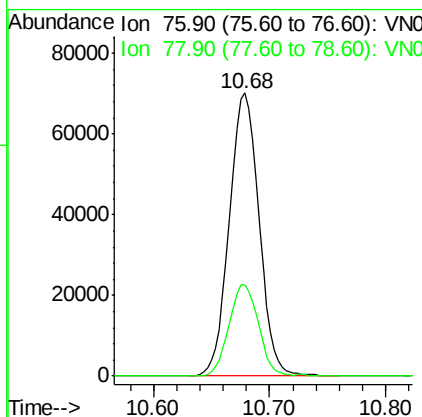
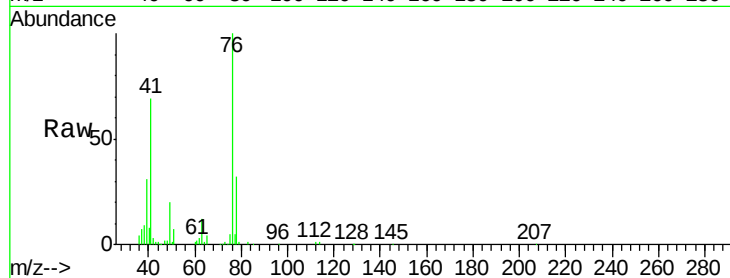
#57
 1,3-Dichloropropane
 Concen: 17.665 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

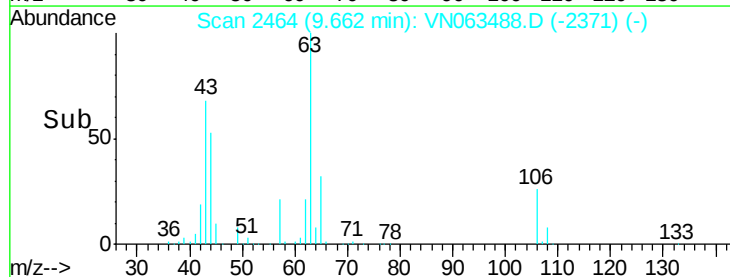
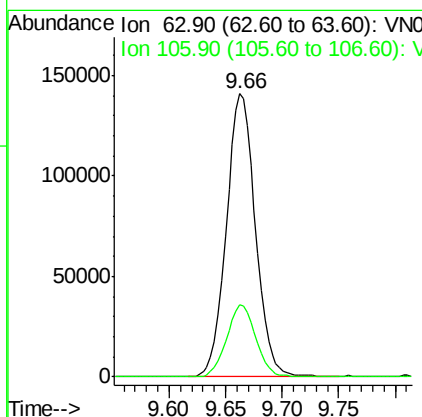
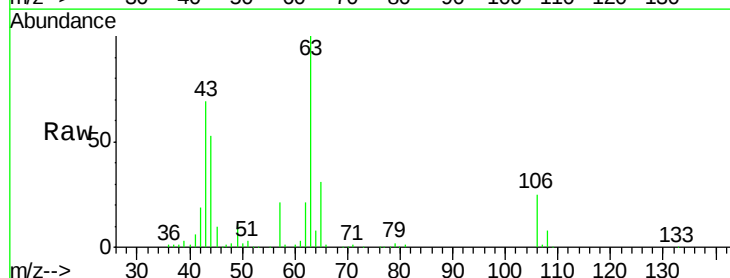
Manual Integrations
 APPROVED

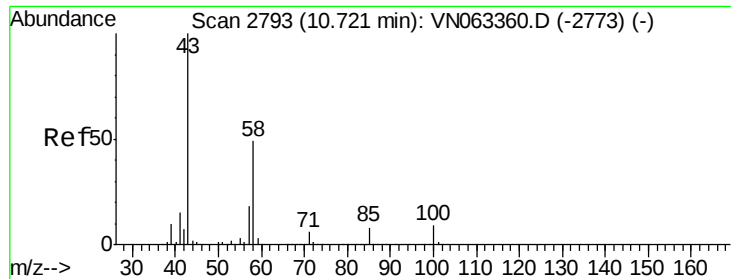
MMDadoda
 9/22/2020 2:07:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 78.722 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	19.5	29.3





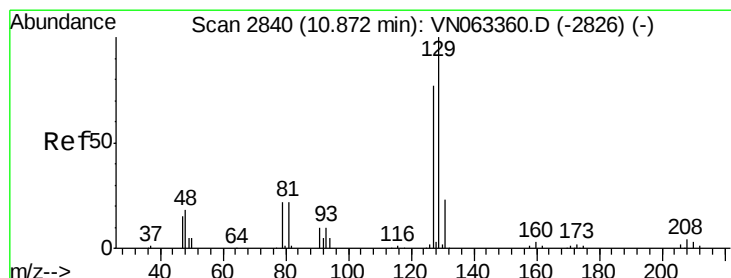
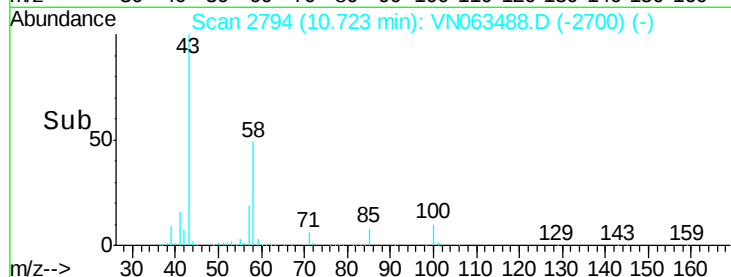
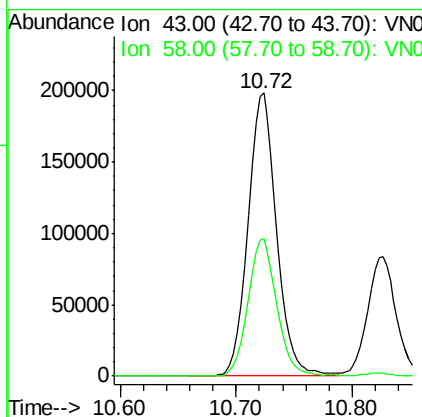
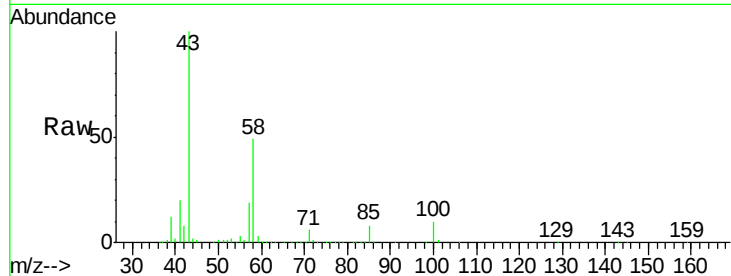
#59
2-Hexanone
Concen: 82.985 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion: 43 Resp: 338730
Ion Ratio Lower Upper
43 100
58 49.0 24.7 74.1

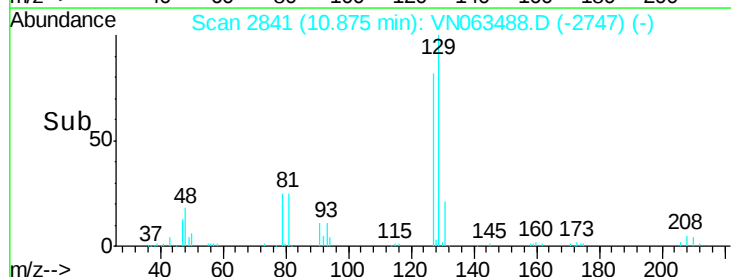
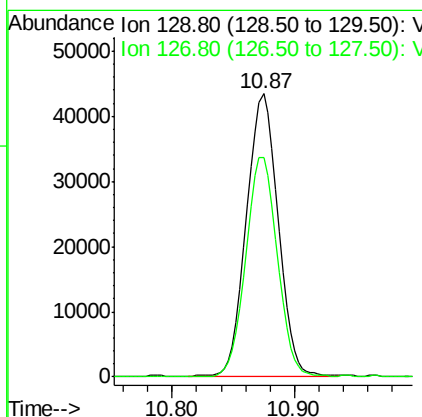
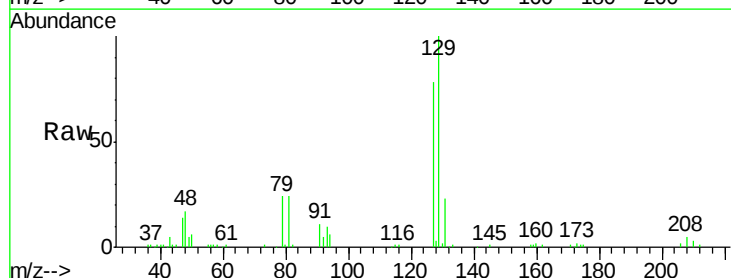
Manual Integrations
APPROVED

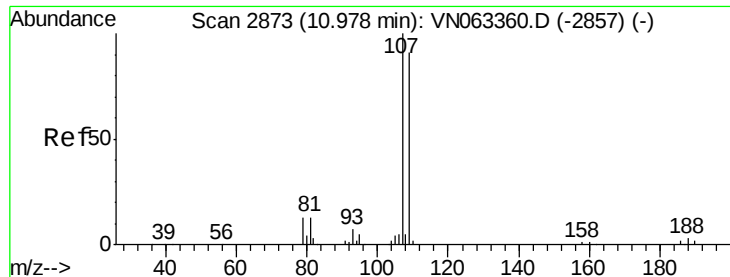
MMDadoda
9/22/2020 2:07:09 PM



#60
Dibromochloromethane
Concen: 17.724 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion: 129 Resp: 78280
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





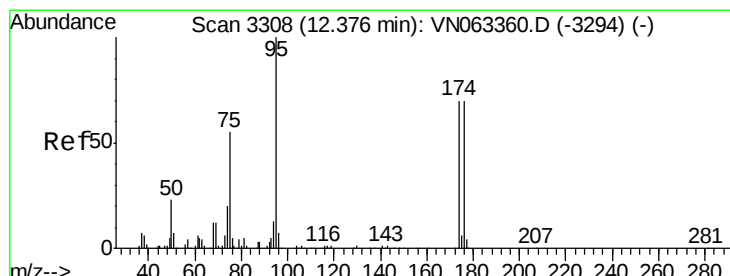
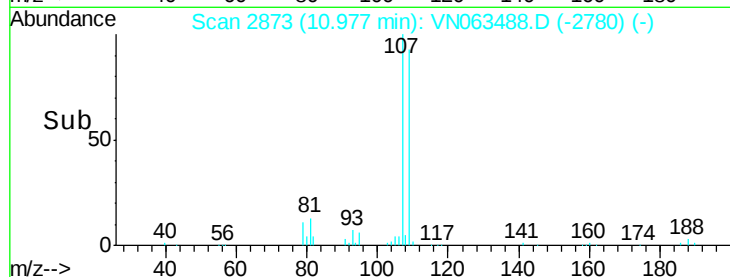
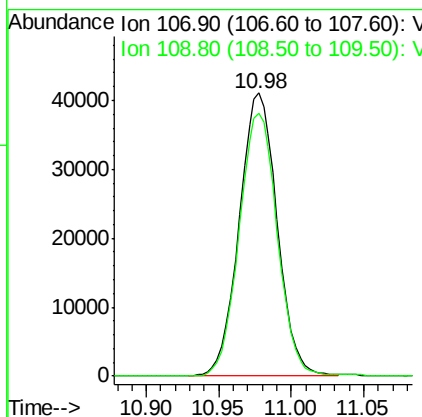
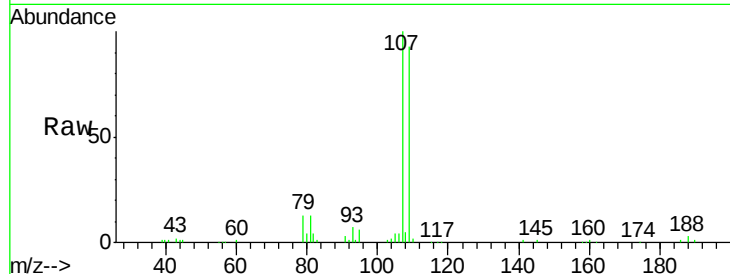
#61
 1,2-Dibromoethane
 Concen: 18.372 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	111.8

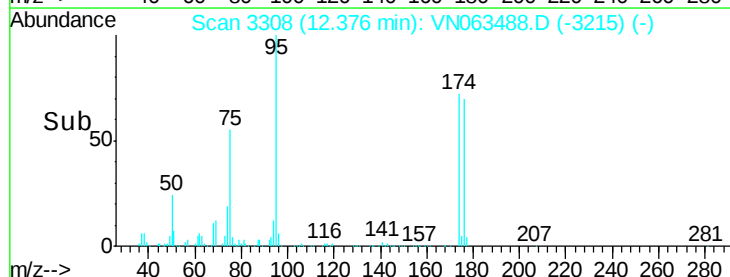
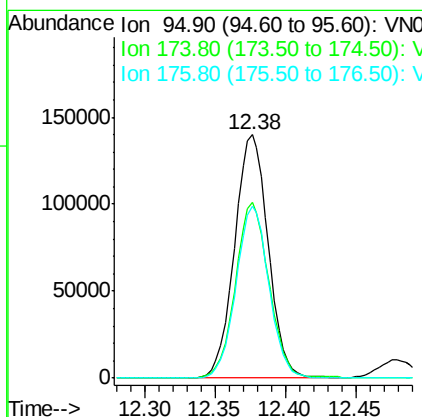
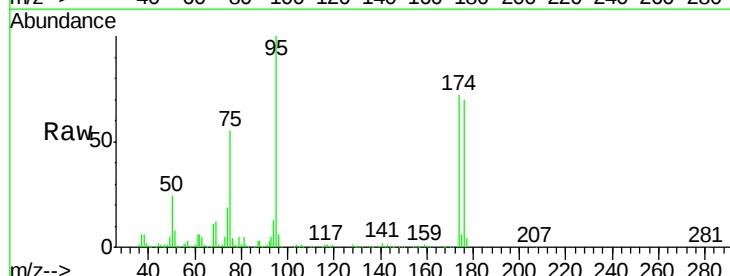
Manual Integrations
 APPROVED

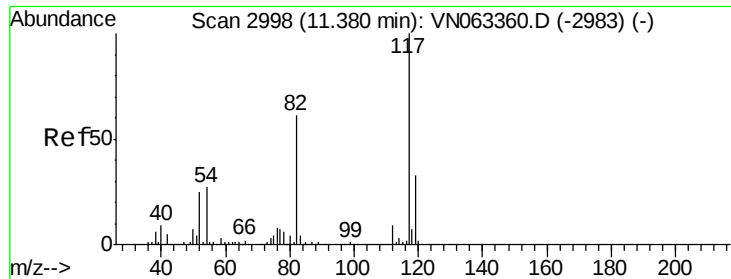
MMDadoda
 9/22/2020 2:07:09 PM



#62
 4-Bromofluorobenzene
 Concen: 45.586 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	140.8
176	69.1	0.0	137.6





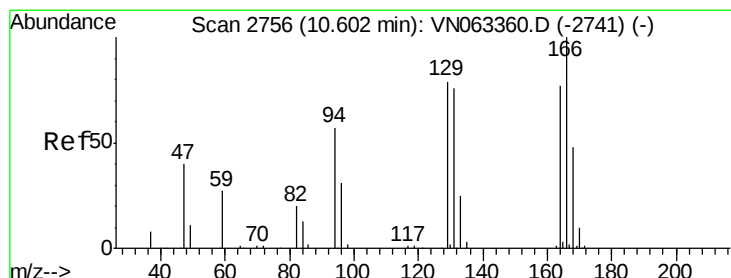
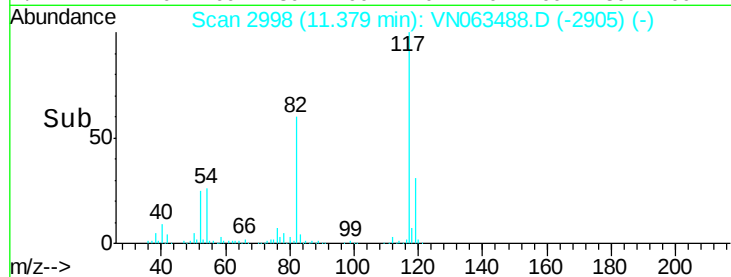
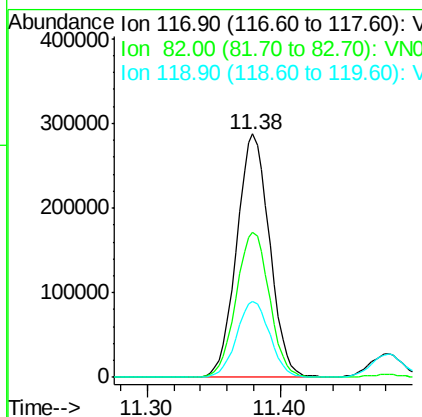
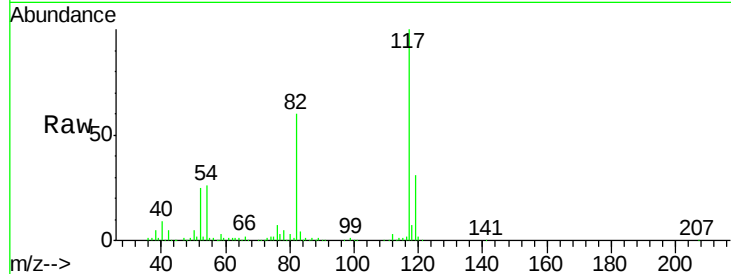
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	496084		
82	59.8	49.2	73.8	
119	31.3	26.2	39.4	

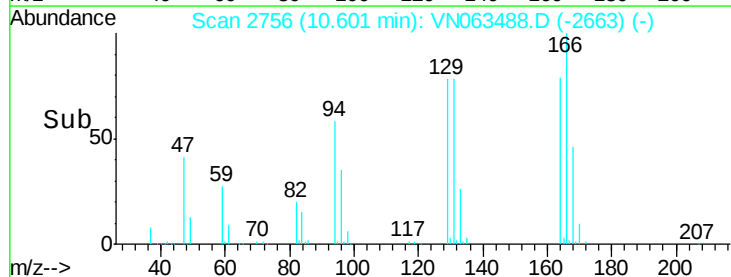
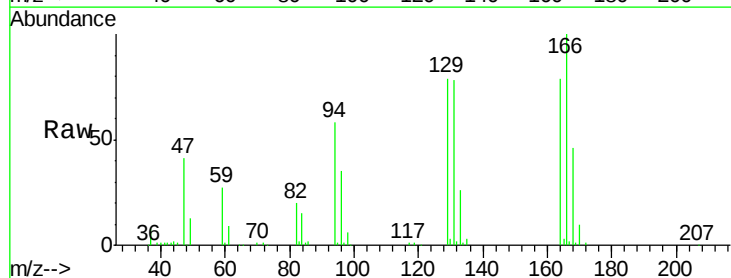
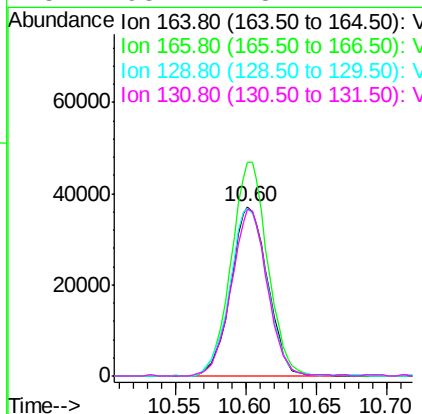
Manual Integrations
APPROVED

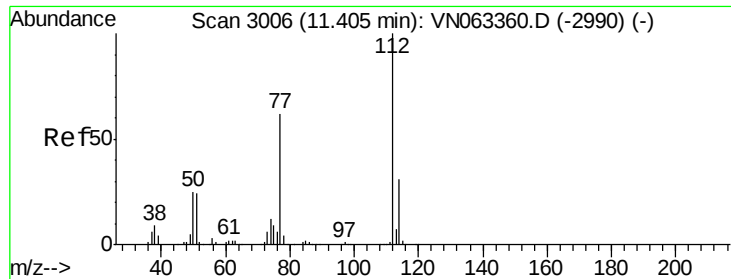
MMDadoda
9/22/2020 2:07:09 PM



#64
Tetrachloroethene
Concen: 20.026 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67647		
166	126.1	103.4	155.0	
129	99.4	81.8	122.6	
131	98.1	78.2	117.4	





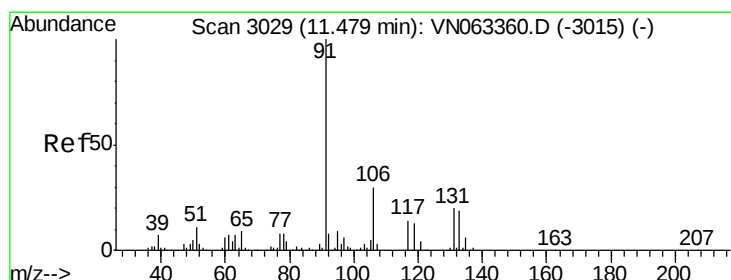
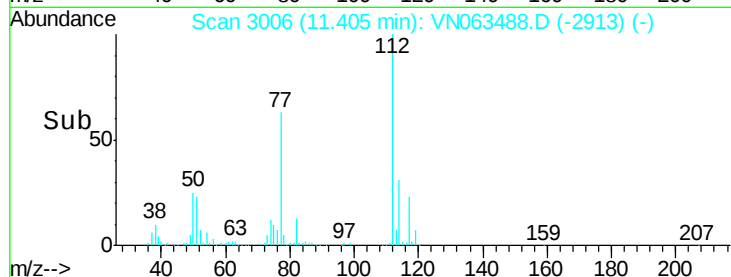
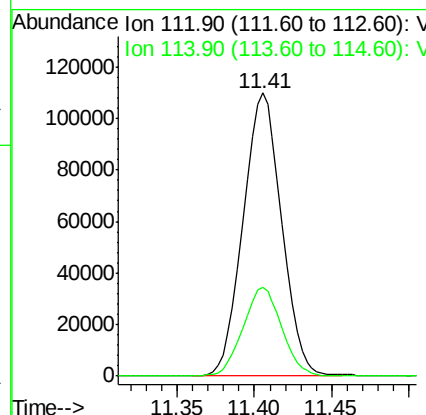
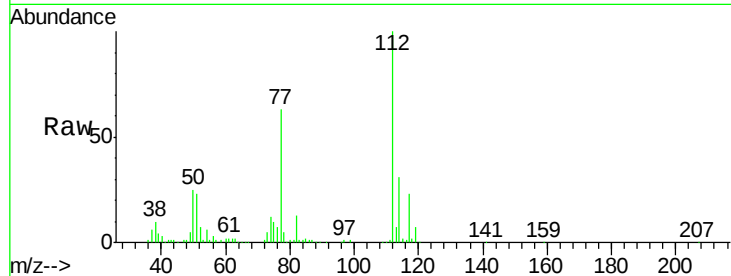
#65
Chlorobenzene
Concen: 18.064 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6

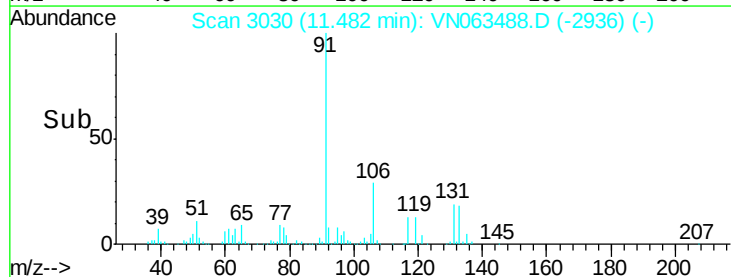
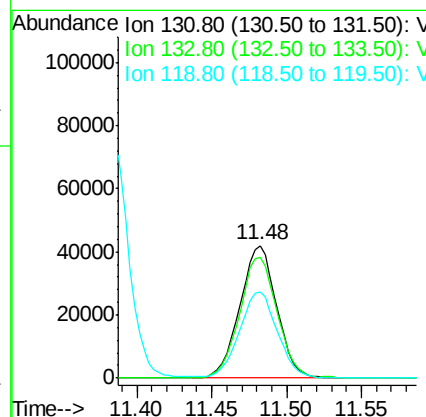
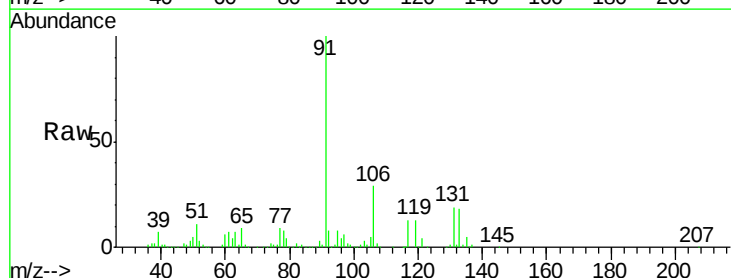
Manual Integrations
APPROVED

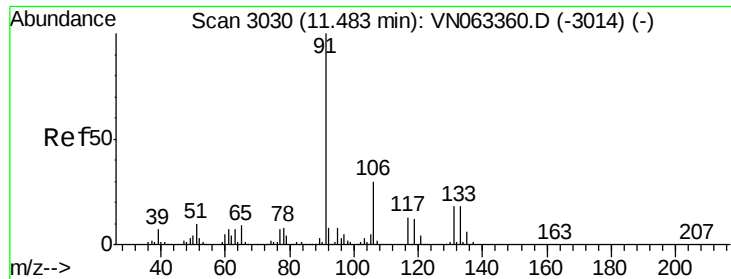
MMDadoda
9/22/2020 2:07:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.632 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.3	141.9
119	67.2	33.6	100.8





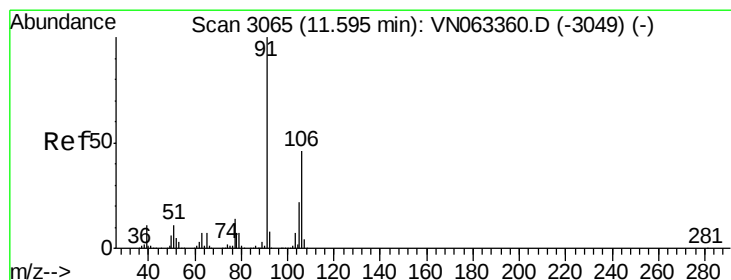
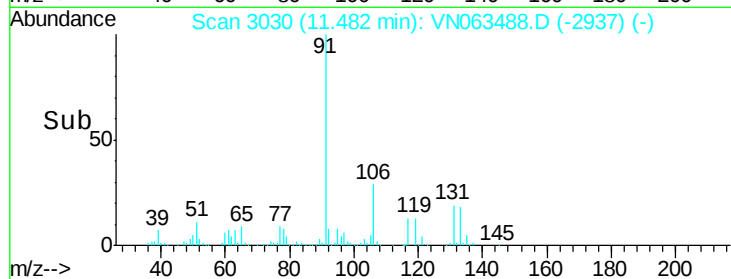
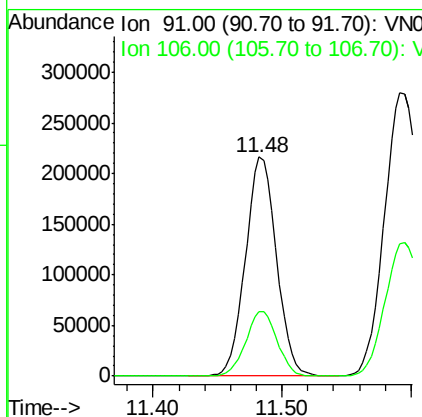
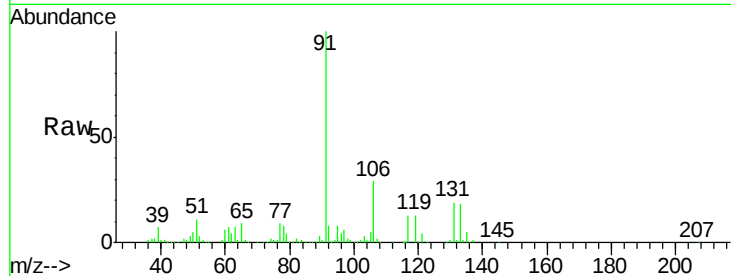
#67
Ethyl Benzene
Concen: 18.302 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6

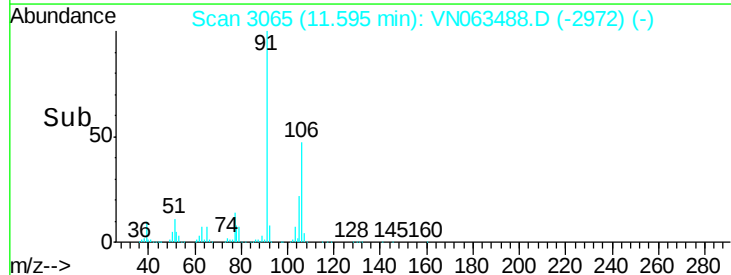
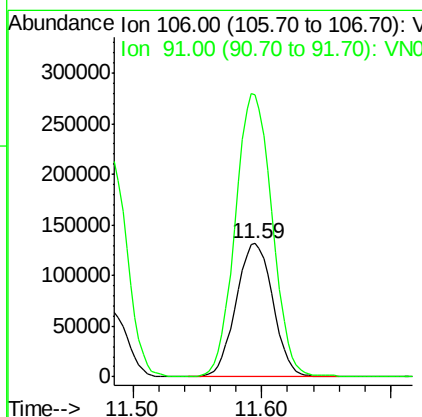
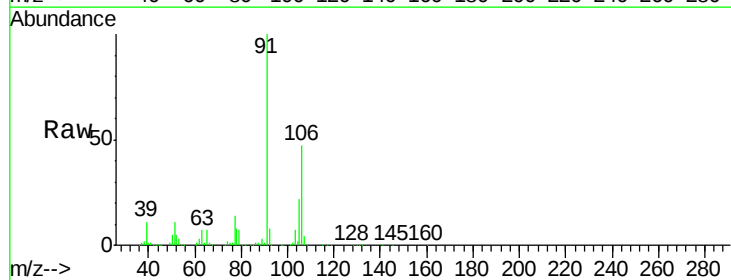
Manual Integrations
APPROVED

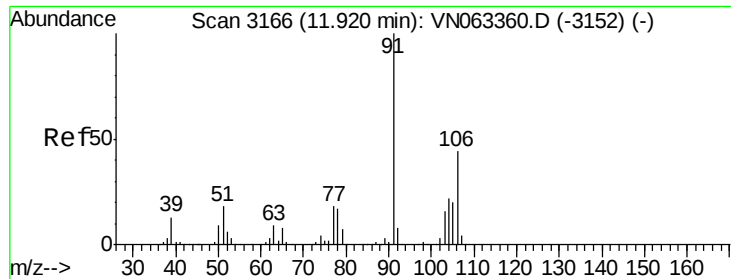
MMDadoda
9/22/2020 2:07:09 PM



#68
m/p-Xylenes
Concen: 36.529 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.1	171.2	256.8





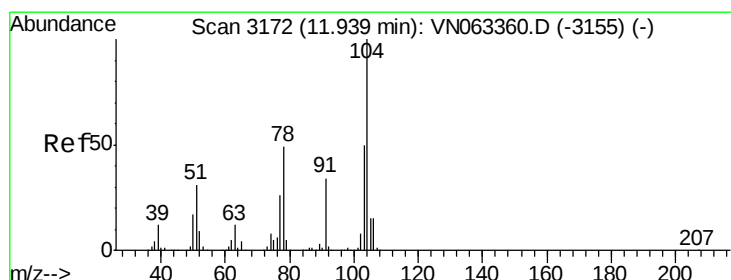
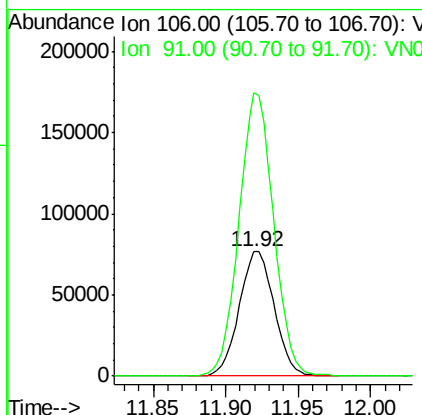
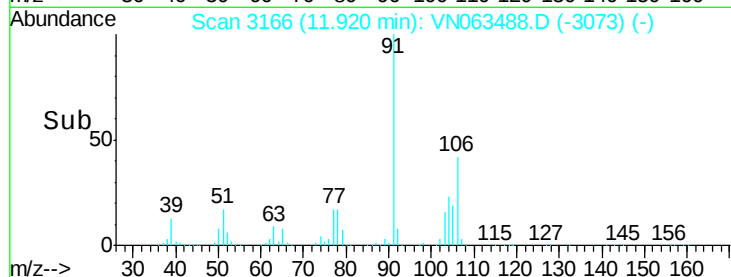
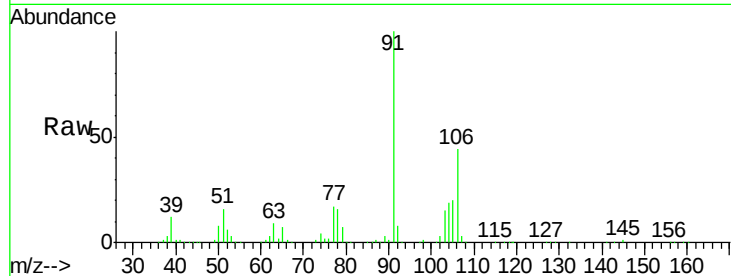
#69
o-Xylene
Concen: 18.986 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	224.4	113.6	129320	340.8	

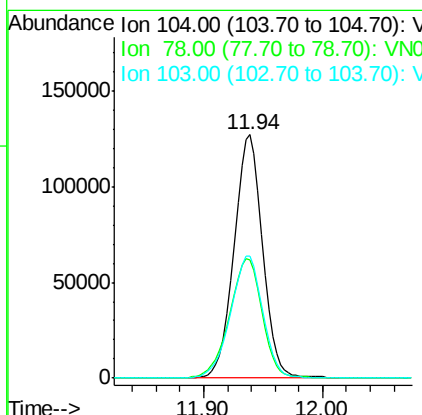
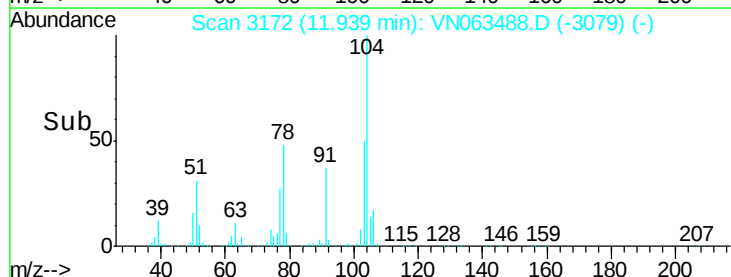
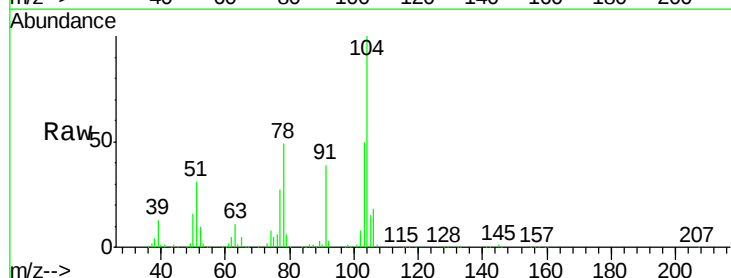
Manual Integrations
APPROVED

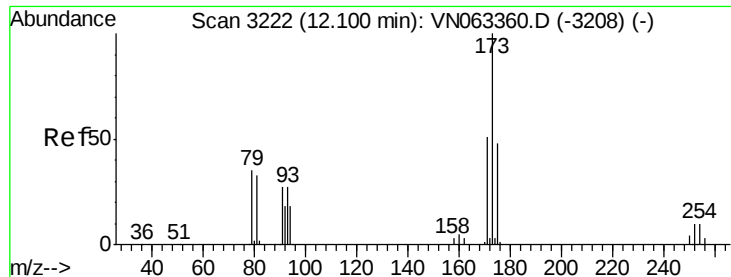
MMDadoda
9/22/2020 2:07:09 PM



#70
Styrene
Concen: 18.511 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	56.3	44.4	211436	66.6	
103	56.4	43.7		65.5	





#71

Bromoform

Concen: 16.877 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampled :

VN0921WBSD01

Tot Ion:173 Resp: 48532

Ion Ratio Lower Upper

173 100

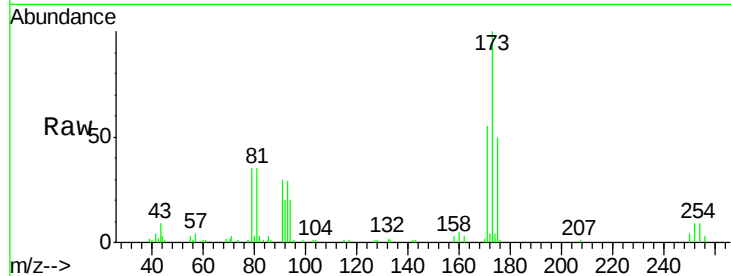
175 49.3 24.0 72.0

254 0.0 0.0 0.0

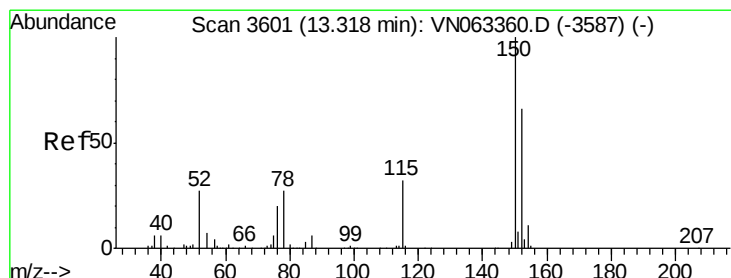
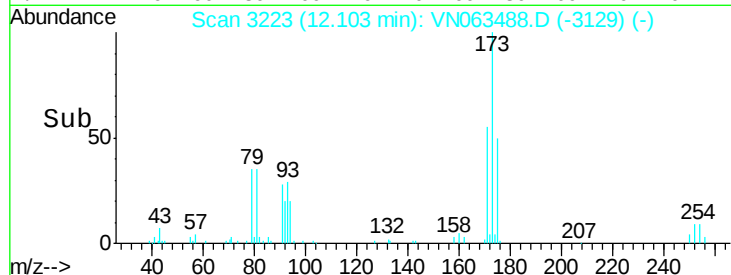
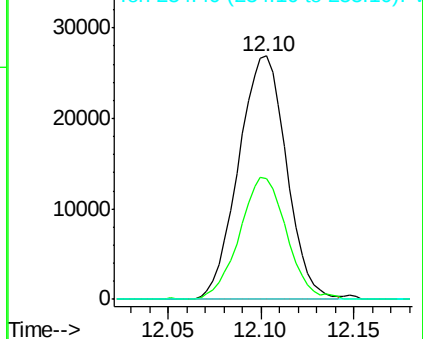
Manual Integrations
APPROVED

MMDadoda

9/22/2020 2:07:09 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

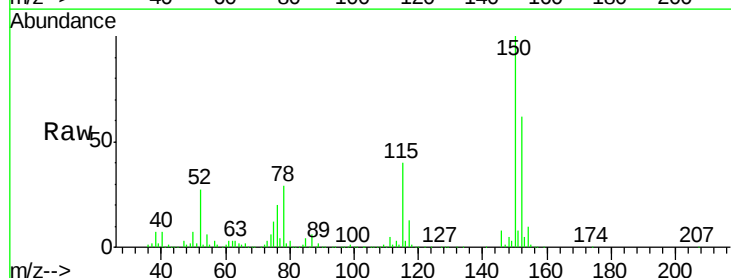
Tgt Ion:152 Resp: 227145

Ion Ratio Lower Upper

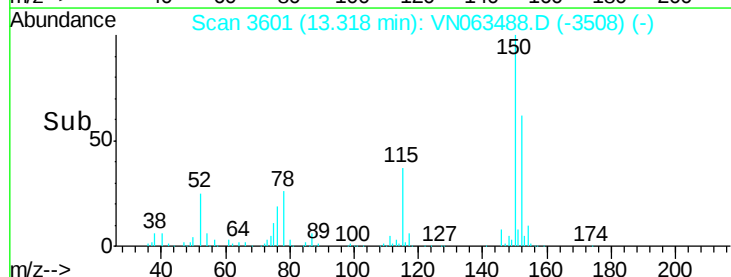
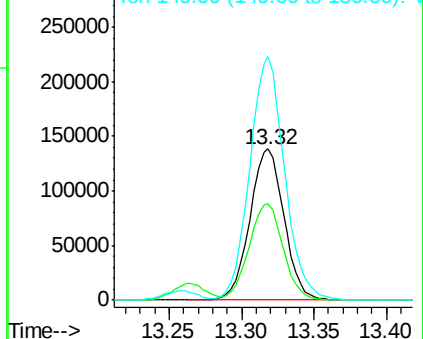
152 100

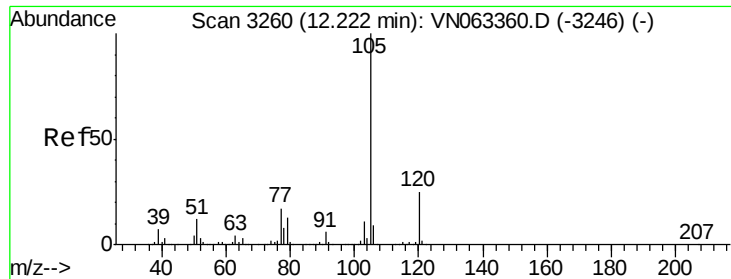
115 63.3 32.2 96.6

150 164.4 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.650 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 105 Resp: 339473

Ion Ratio Lower Upper

105 100

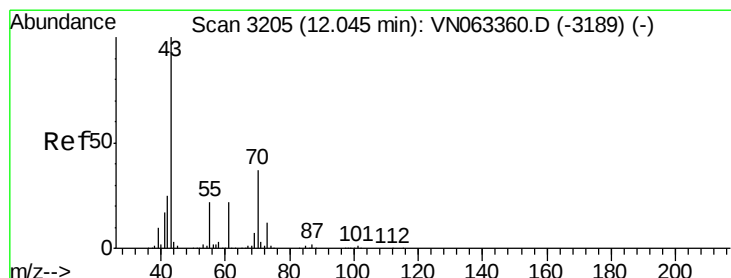
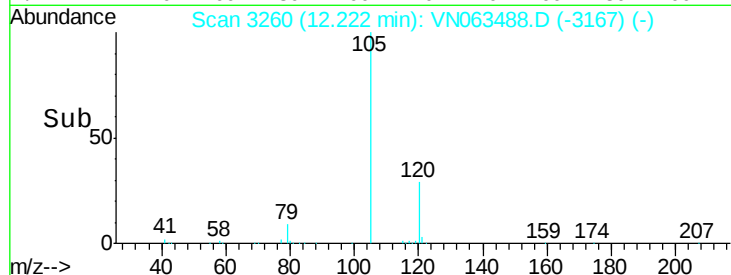
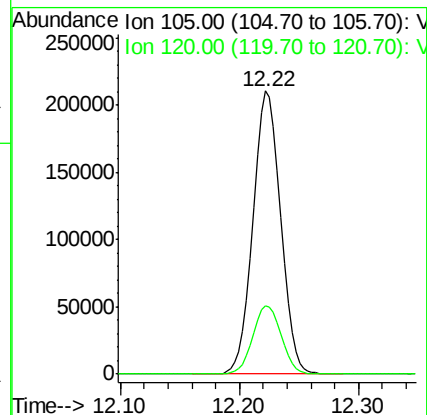
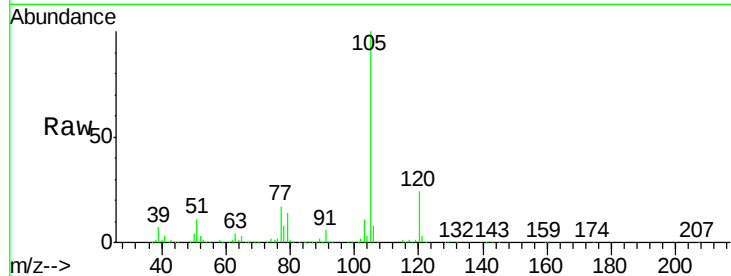
120 24.9 12.7 38.0

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



#74

N-ethyl acetate

Concen: 17.496 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion: 43 Resp: 150755

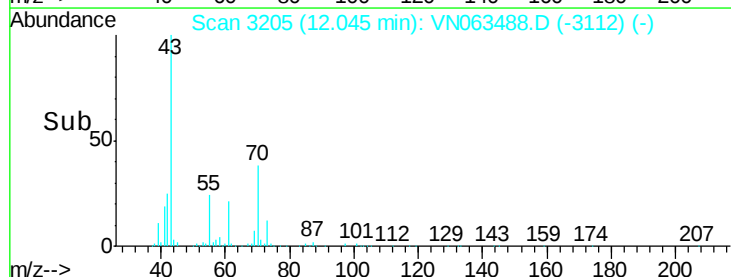
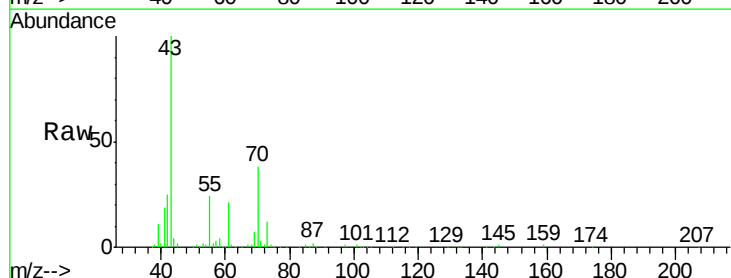
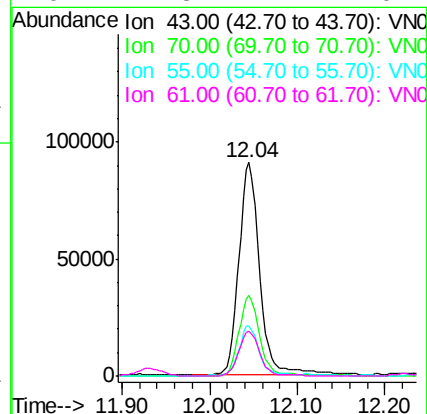
Ion Ratio Lower Upper

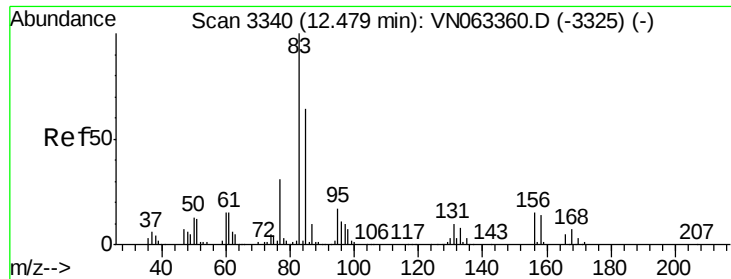
43 100

70 37.4 29.6 44.4

55 22.2 17.7 26.5

61 21.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.542 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

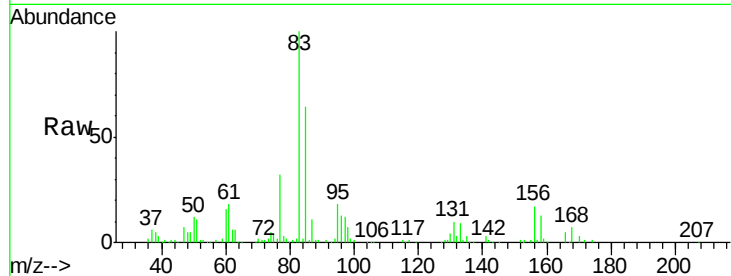
ClientSampleId :

VN0921WBSD01

Tot Ion:	83	Resp:	98863
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	65.5	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN063360.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-3325) (-)

Time-->

12.48

60000

40000

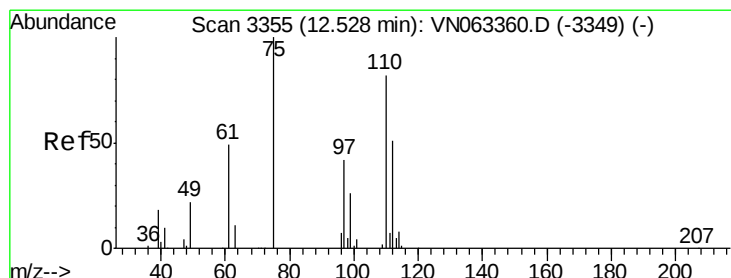
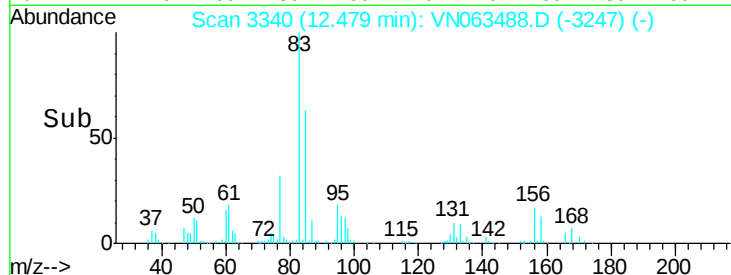
20000

0

12.40

12.45

12.50



#76

1,2,3-Trichloropropane

Concen: 17.890 ug/l m

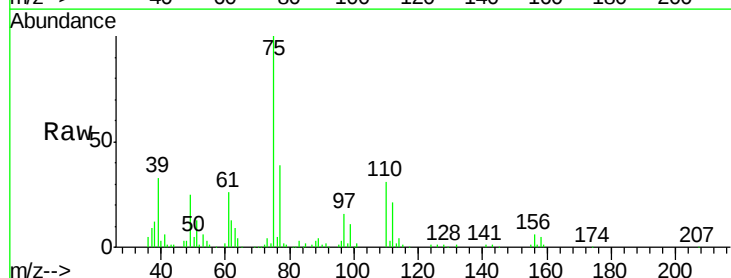
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion:	75	Resp:	100581
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-3349) (-)

Time-->

12.50

100000

80000

60000

40000

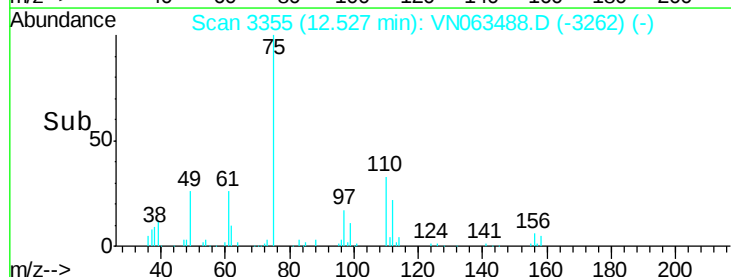
20000

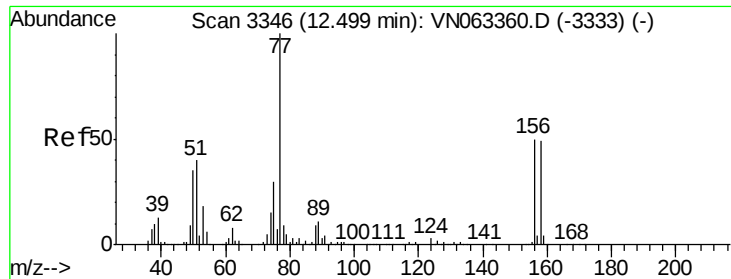
0

12.50

12.53

12.55





#77

Bromobenzene

Concen: 20.323 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

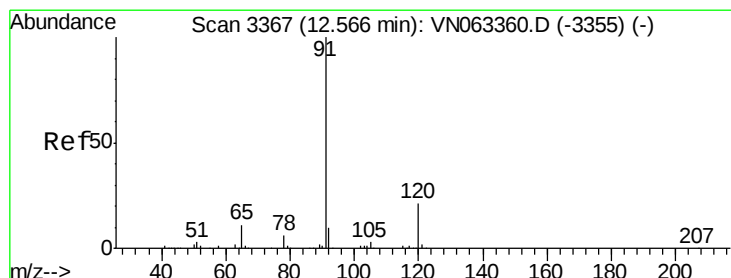
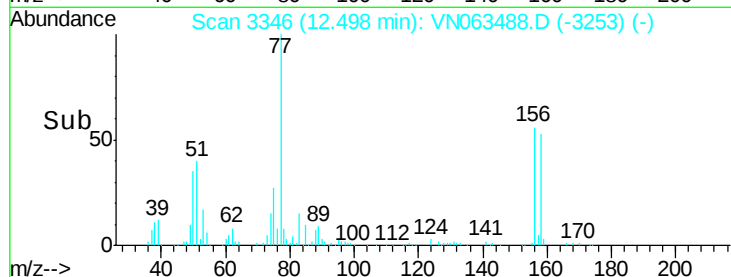
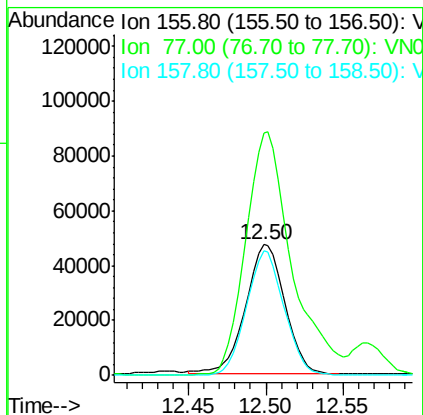
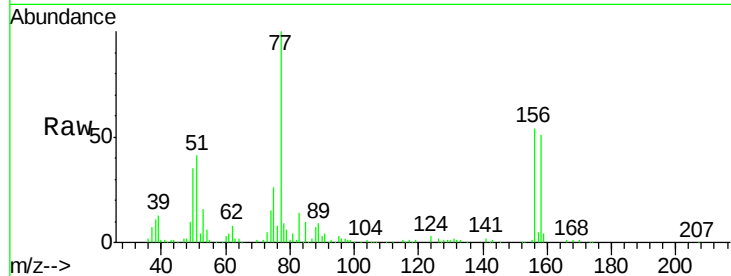
ClientSampleId :

VN0921WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	219.9	120.2	360.6	
158	92.7	48.9	146.6	

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#78

n-propylbenzene

Concen: 18.575 ug/l

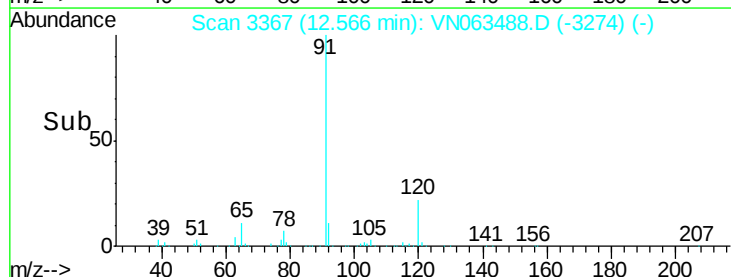
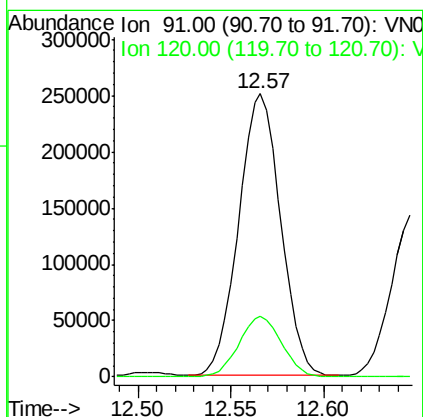
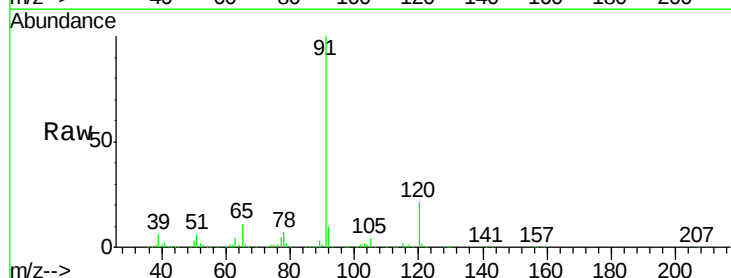
RT: 12.57 min Scan# 3367

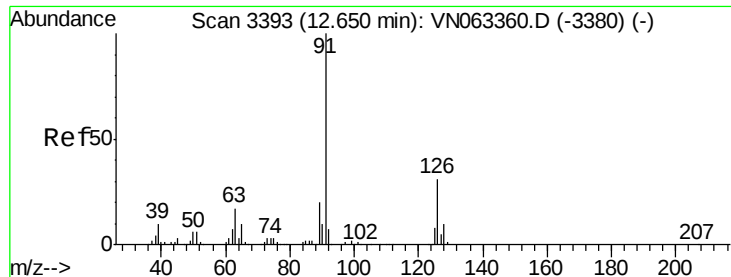
Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	10.8	32.3	





#79

2-Chlorotoluene

Concen: 18.936 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 91 Resp: 240655

Ion Ratio Lower Upper

91 100

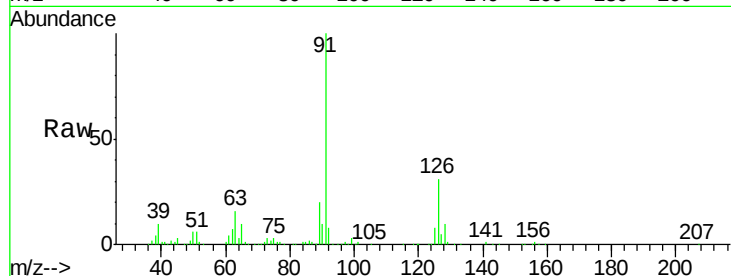
126 31.2 15.8 47.3

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

200000

150000

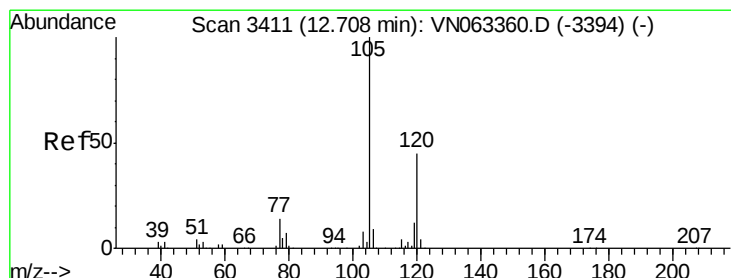
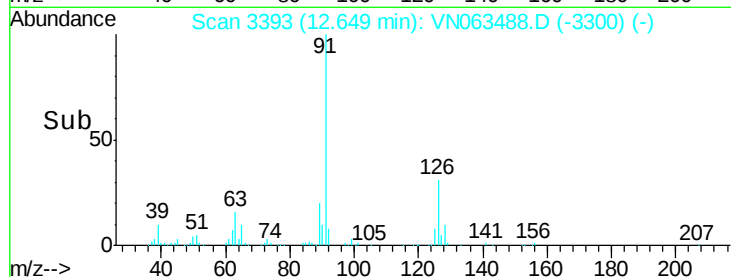
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.938 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063488.D

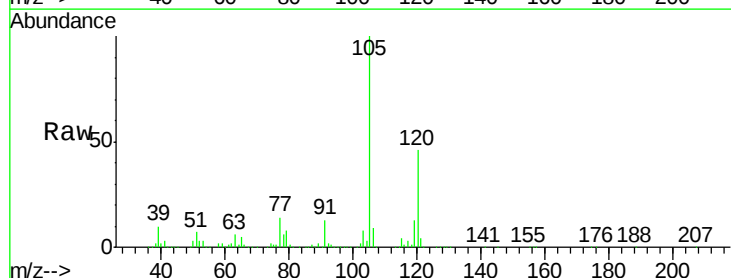
Acq: 21 Sep 2020 16:09

Tgt Ion: 105 Resp: 287452

Ion Ratio Lower Upper

105 100

120 45.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

200000

150000

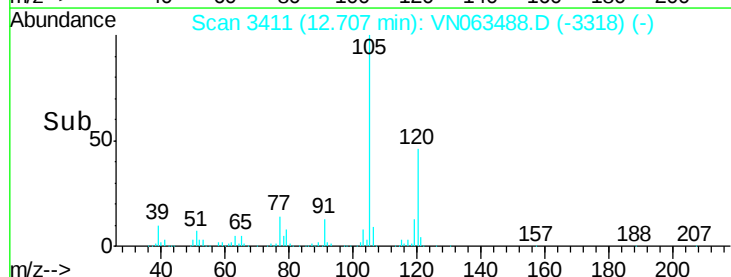
100000

50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.809 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

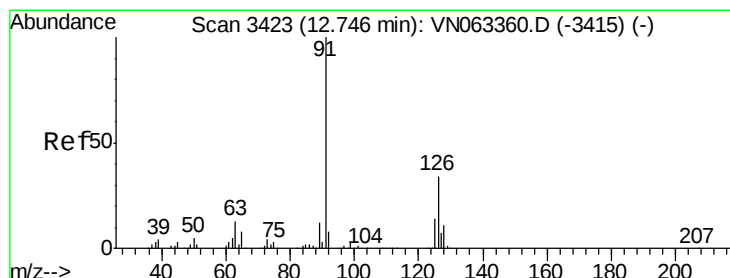
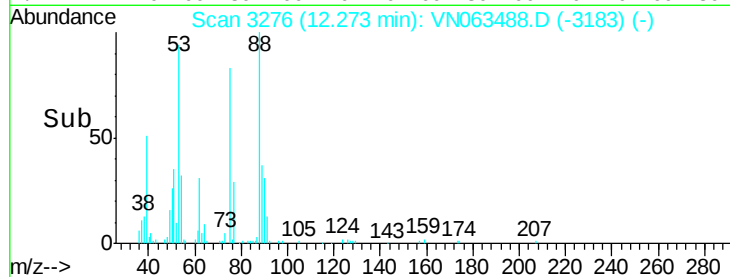
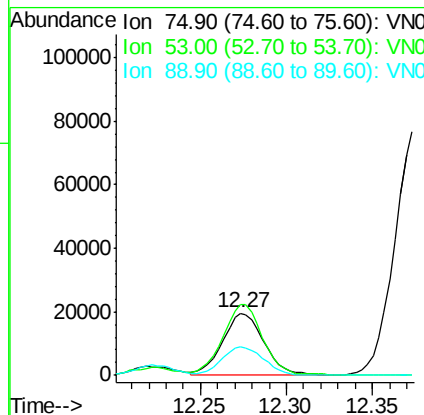
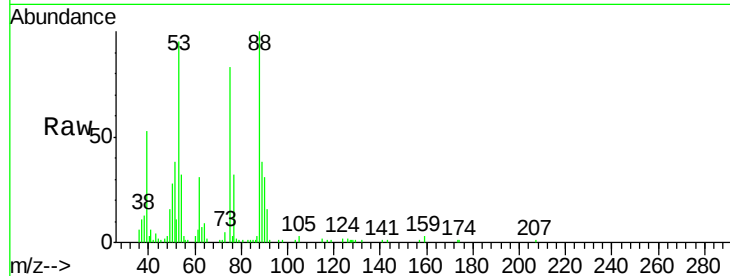
ClientSampleId :

VN0921WBSD01

Tot Ion:	75	Resp:	32420
Ion	Ratio	Lower	Upper
75	100		
53	114.1	85.7	128.5
89	46.9	38.0	57.0

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#82

4-Chlorotoluene

Concen: 18.590 ug/l

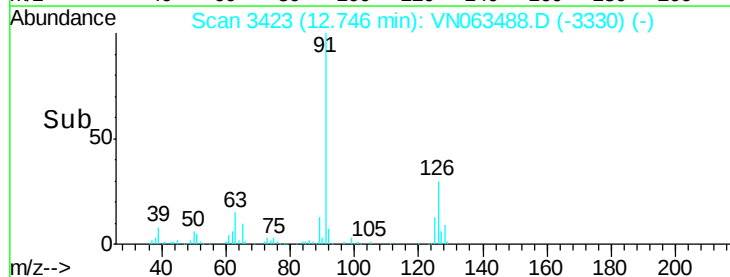
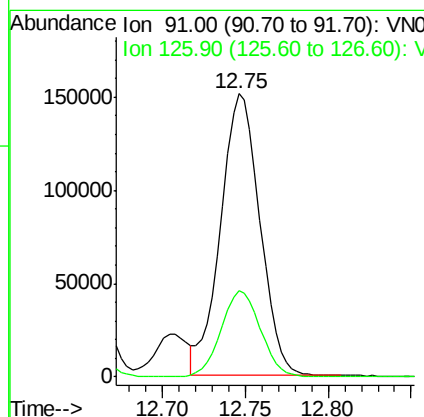
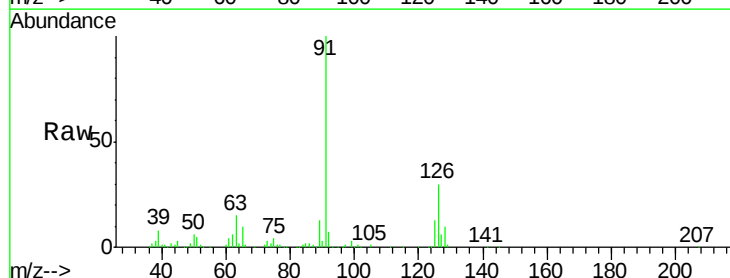
RT: 12.75 min Scan# 3423

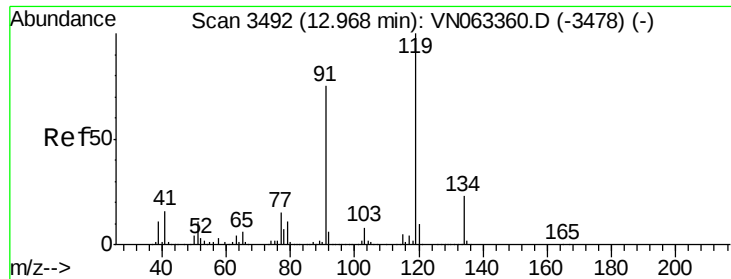
Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion:	91	Resp:	249622
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.5	46.5





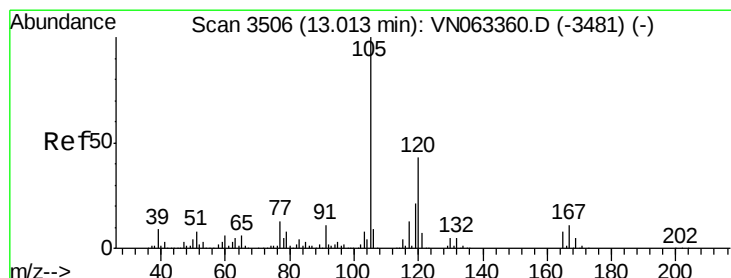
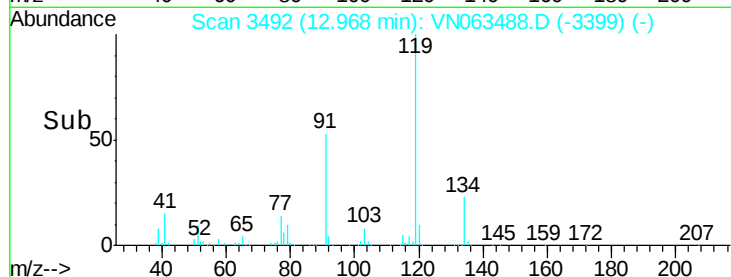
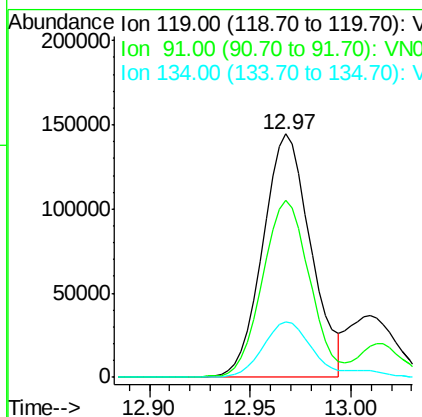
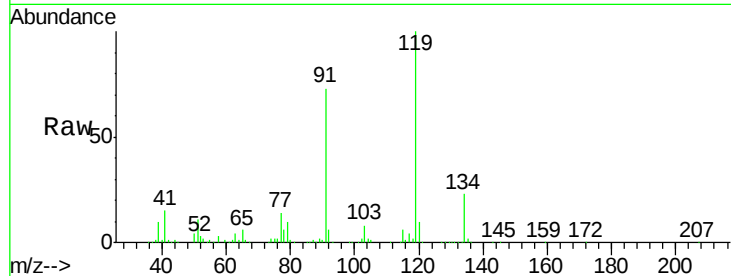
#83
tert-Butylbenzene
Concen: 19.098 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239239		
91	71.3	36.3	108.9	
134	23.0	12.3	36.8	

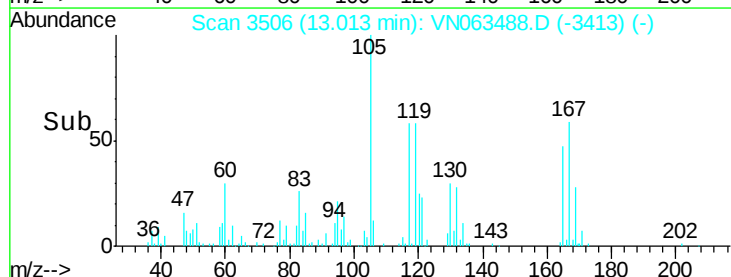
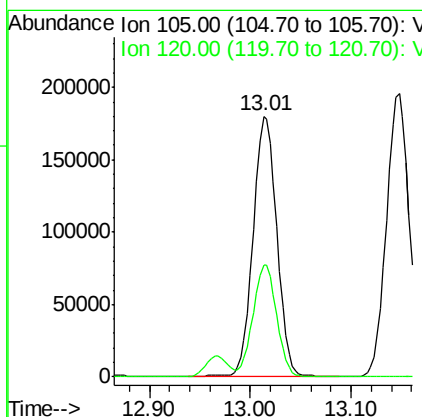
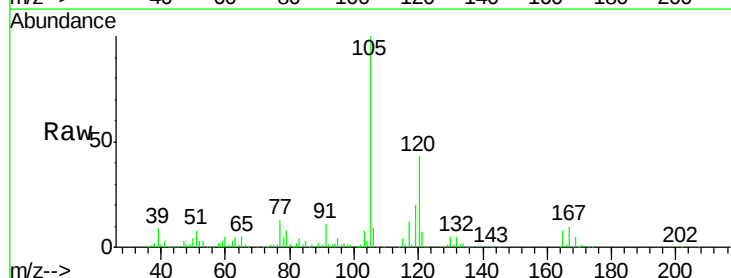
Manual Integrations
APPROVED

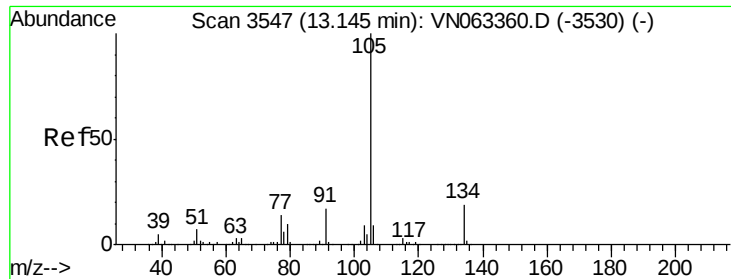
MMDadoda
9/22/2020 2:07:09 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.033 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	291803		
120	42.3	21.3	63.9	





#85

sec-Butylbenzene

Concen: 18.575 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion:105 Resp: 311474

Ion Ratio Lower Upper

105 100

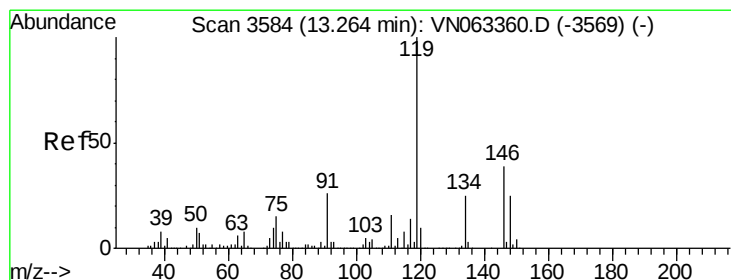
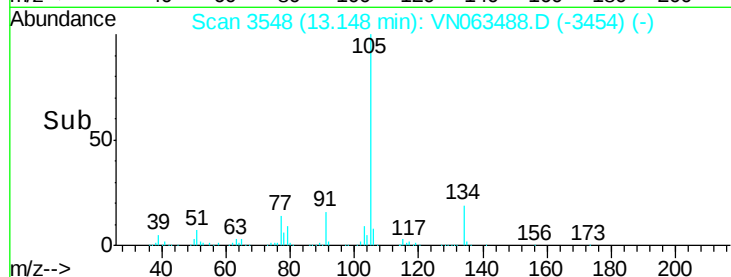
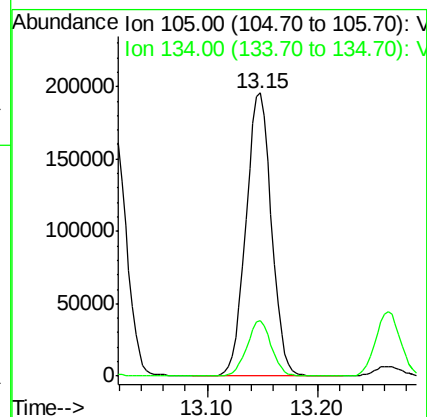
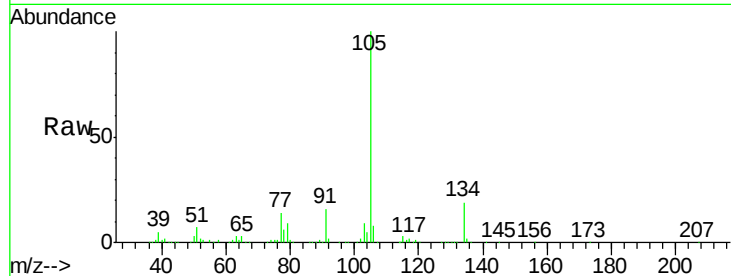
134 18.8 9.3 27.7

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:07:09 PM



#86

p-Isopropyltoluene

Concen: 18.808 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

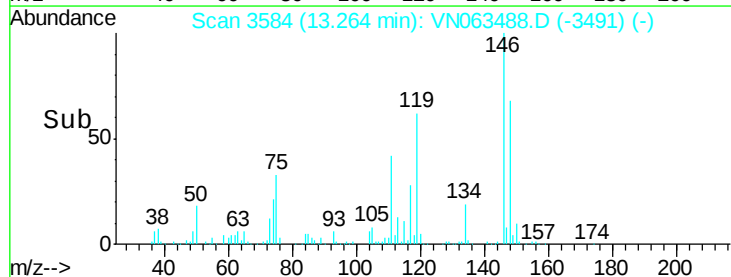
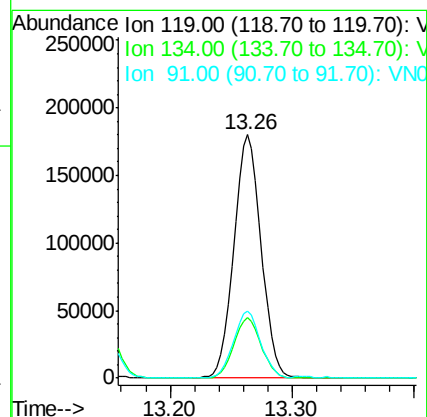
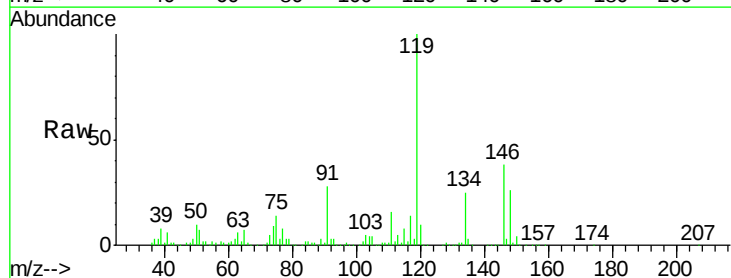
Tgt Ion:119 Resp: 278176

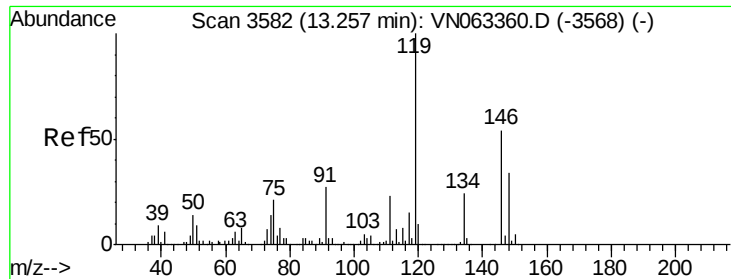
Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

91 27.4 13.4 40.1





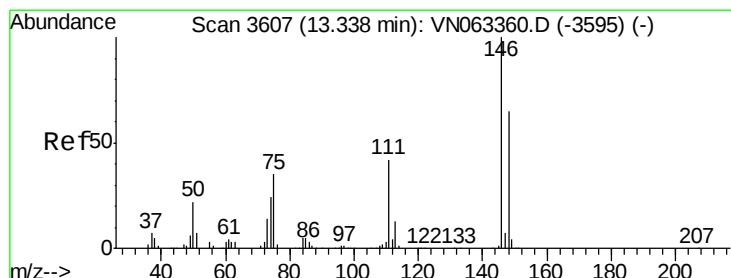
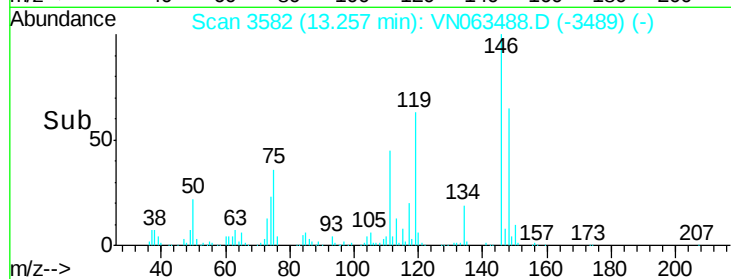
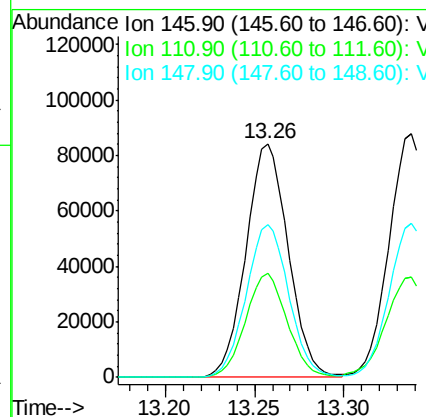
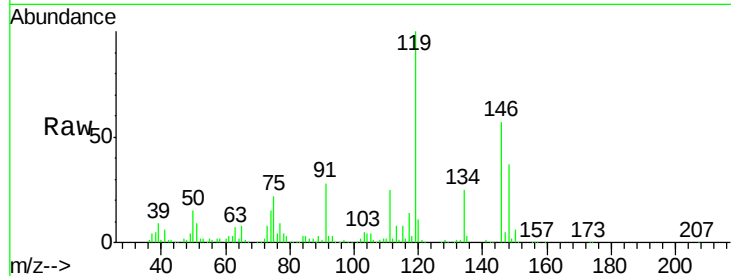
#87
 1,3-Dichlorobenzene
 Concen: 18.408 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139695		
111	43.8	21.4	64.3	
148	65.8	31.9	95.7	

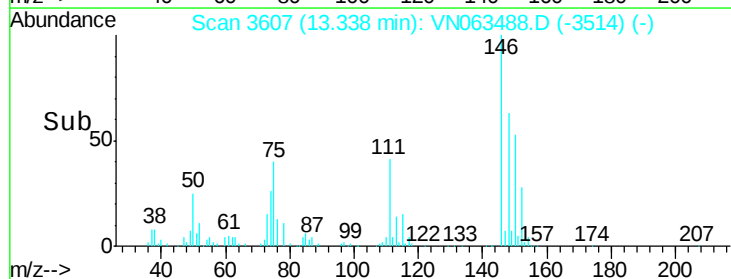
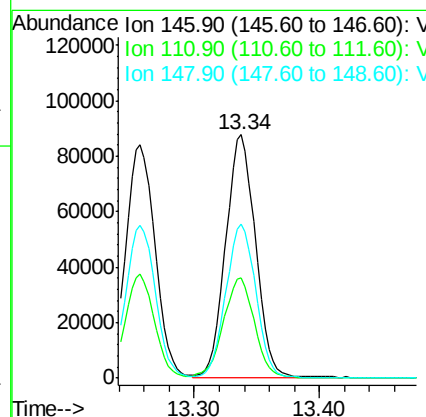
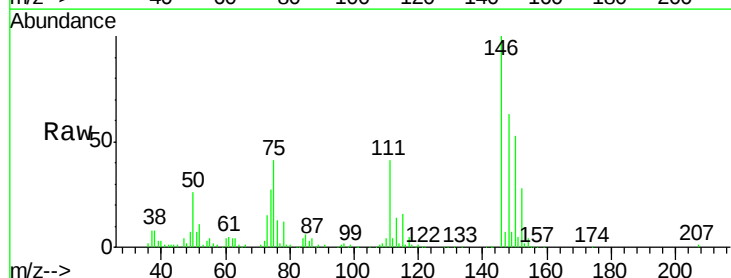
Manual Integrations
 APPROVED

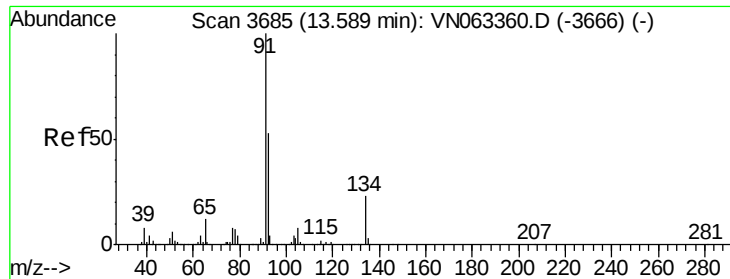
MMDadoda
 9/22/2020 2:07:09 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.760 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	144745		
111	43.4	21.2	63.6	
148	63.4	31.9	95.9	





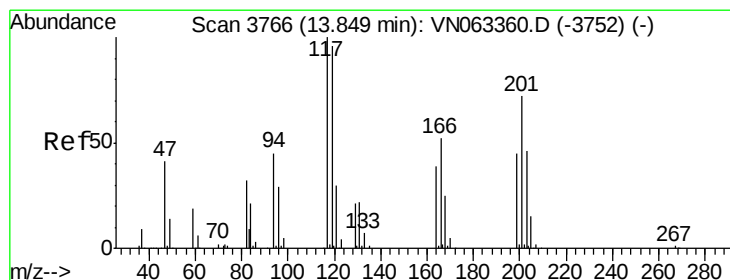
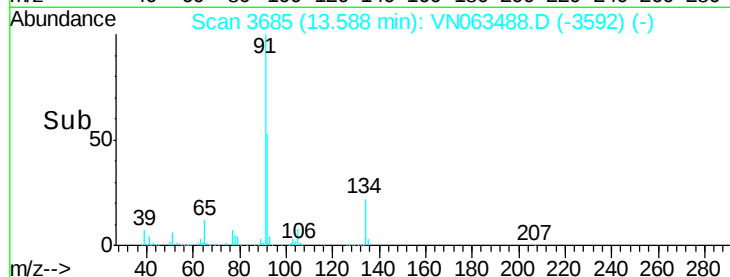
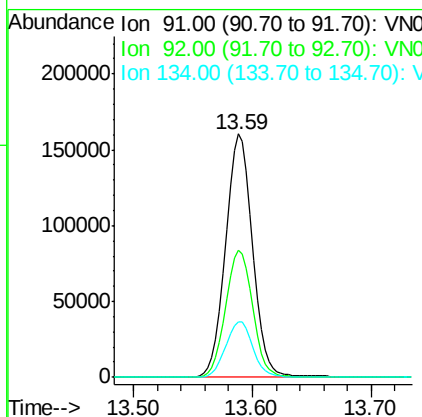
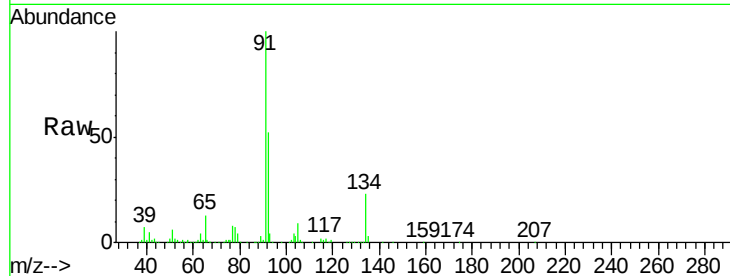
#89
n-Butylbenzene
Concen: 18.436 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	23.1	11.7	35.0

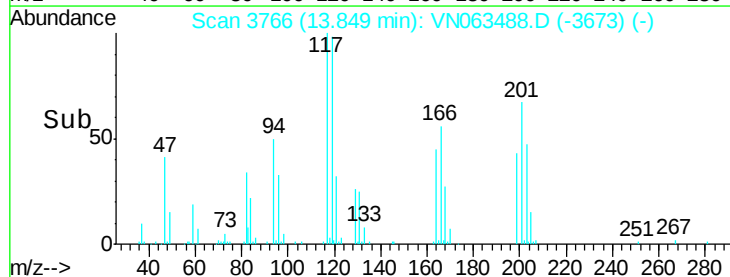
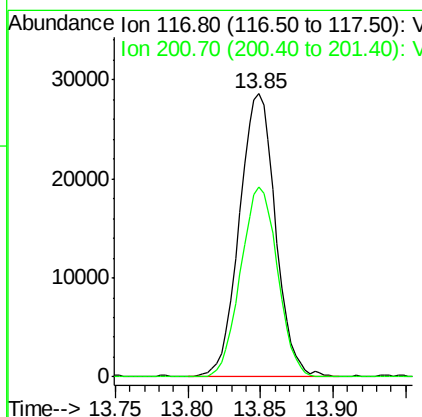
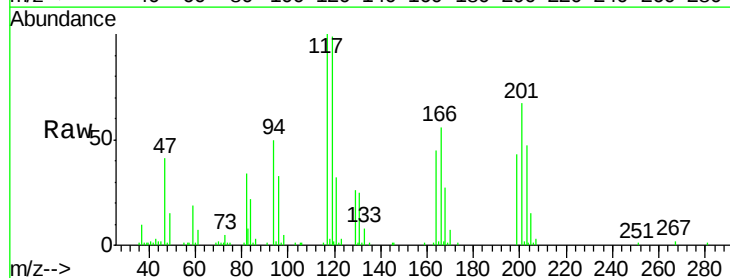
Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#90
Hexachloroethane
Concen: 17.619 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063488.D
Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.1	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 18.543 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

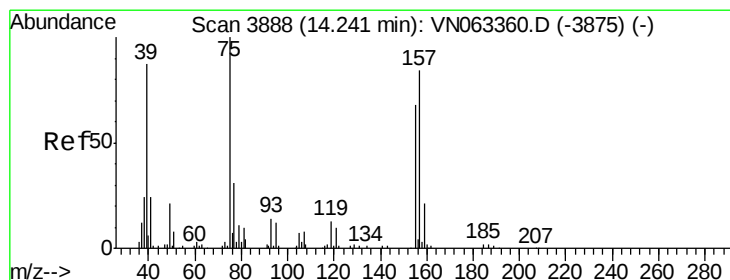
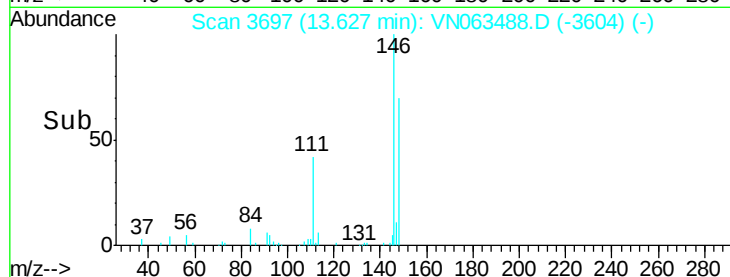
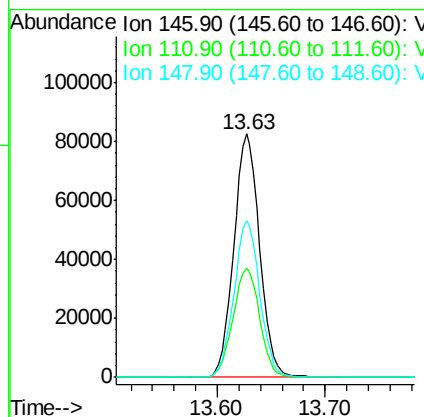
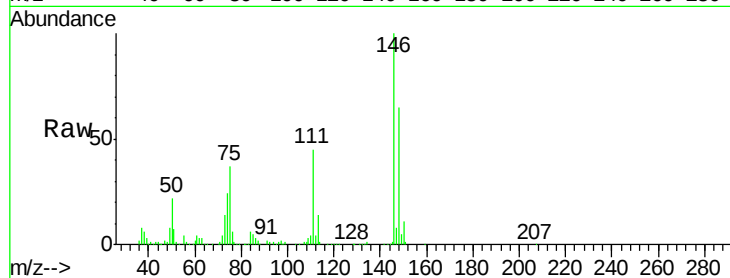
ClientSampleId :

VN0921WBSD01

Tot Ion:	146	Resp:	138161
Ion Ratio	Lower	Upper	
146	100		
111	46.3	22.4	67.2
148	64.5	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.401 ug/l

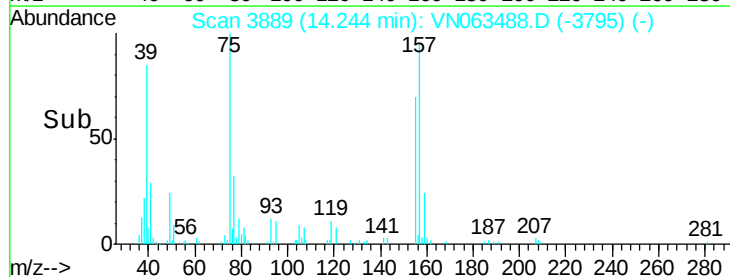
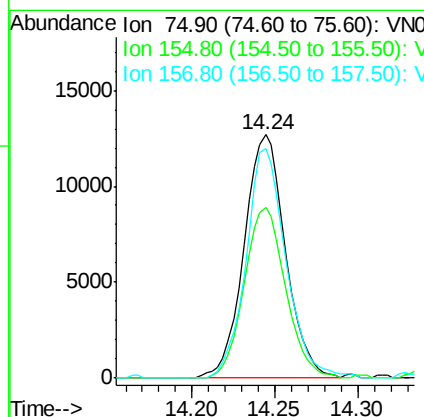
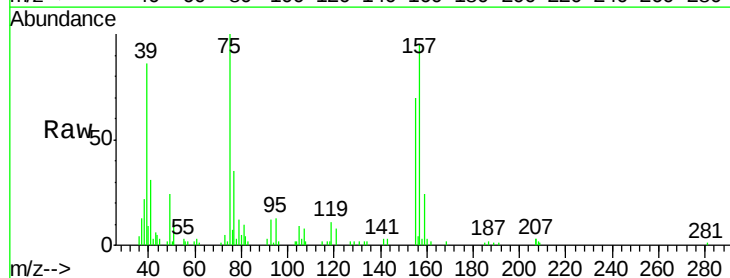
RT: 14.24 min Scan# 3889

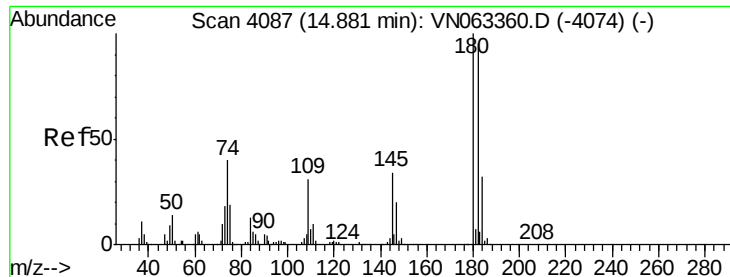
Delta R.T. 0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion:	75	Resp:	22011
Ion Ratio	Lower	Upper	
75	100		
155	70.0	34.6	103.9
157	91.2	43.7	131.1





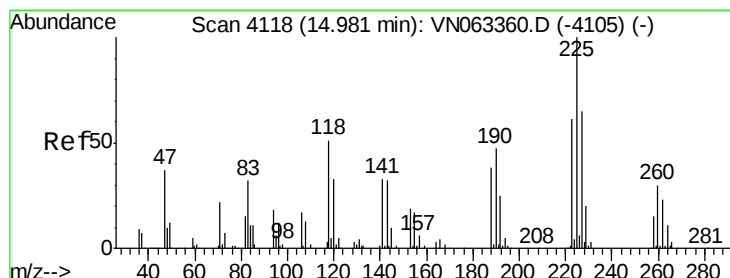
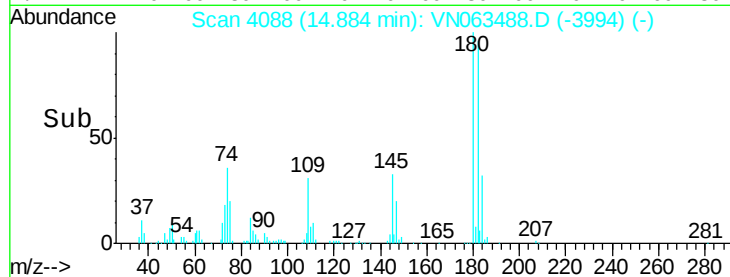
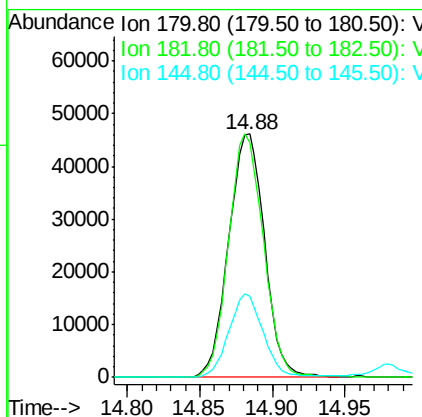
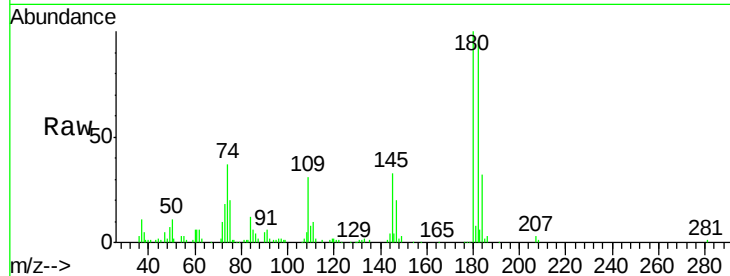
#93
 1,2,4-Trichlorobenzene
 Concen: 18.070 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.3	142.0
145	32.9	16.6	49.7

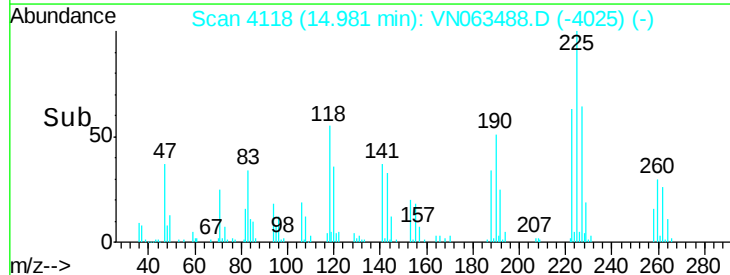
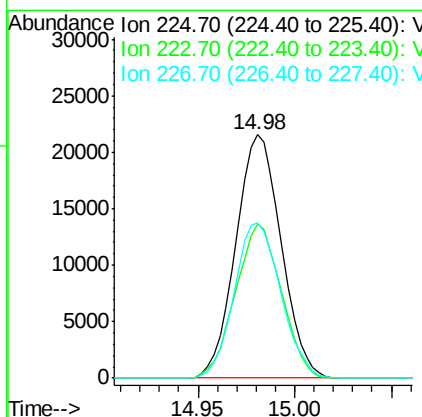
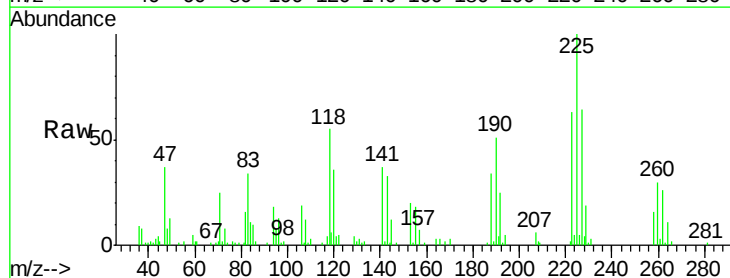
Manual Integrations
 APPROVED

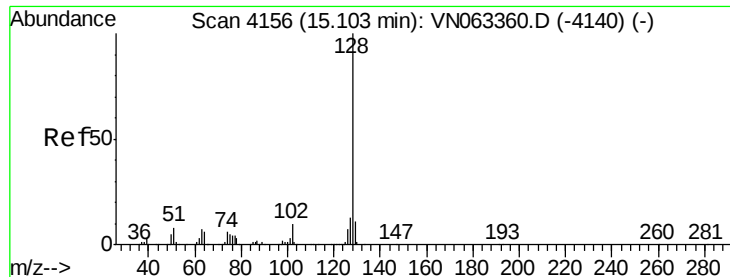
MMDadoda
 9/22/2020 2:07:09 PM



#94
 Hexachlorobutadiene
 Concen: 19.302 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063488.D
 Acq: 21 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.6	91.6
227	65.3	31.2	93.6





#95

Naphthalene

Concen: 17.569 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Instrument :

MSVOA_N

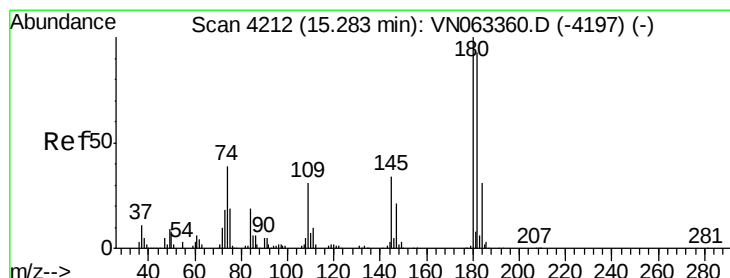
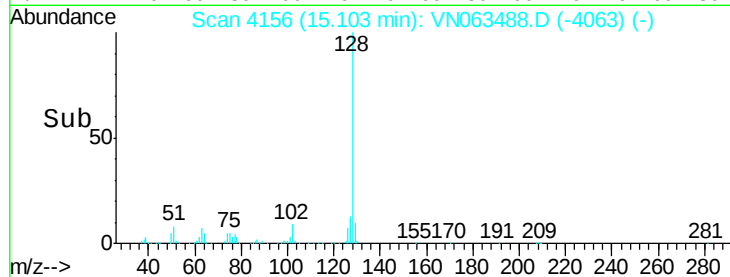
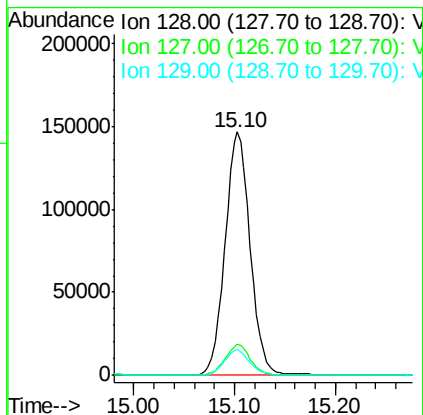
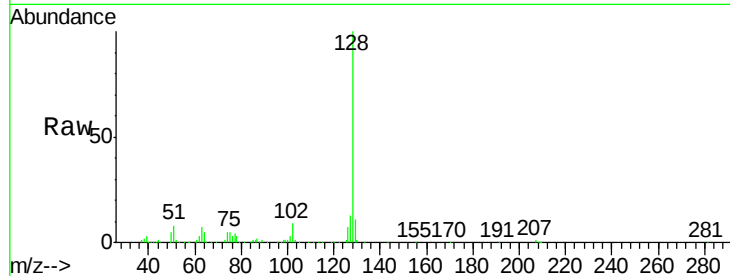
ClientSampleId :

VN0921WBSD01

Tot Ion:	128	Resp:	254955
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.431 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063488.D

Acq: 21 Sep 2020 16:09

Tgt Ion:	180	Resp:	73978
Ion Ratio	Lower	Upper	
180	100		
182	94.7	46.7	140.1
145	35.2	16.8	50.3

