

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\
 Data File : VN061689.D
 Acq On : 8 Jun 2020 12:37
 Operator : JC/MD
 Sample : VN0608WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 1:46:15 PM

Quant Time: Jun 09 03:32:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	358736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	568501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	535735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	267964	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	203327	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	7.54	113	165263	57.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.62%	
50) Toluene-d8	10.06	98	679691	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.37	95	242728	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	73175	18.409	ug/l 100
3) Chloromethane	2.03	50	71907	16.434	ug/l 100
4) Vinyl Chloride	2.16	62	95443	15.918	ug/l 98
5) Bromomethane	2.54	94	63489	18.453	ug/l 98
6) Chloroethane	2.67	64	62989	16.321	ug/l 98
7) Trichlorofluoromethane	2.98	101	134996	17.459	ug/l 98
8) Diethyl Ether	3.37	74	43127	18.241	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	65134	18.984	ug/l 97
10) Methyl Iodide	3.91	142	87609	18.394	ug/l 98
11) Tert butyl alcohol	4.73	59	54995	96.736	ug/l 98
12) 1,1-Dichloroethene	3.69	96	62249	16.982	ug/l 94
13) Acrolein	3.56	56	14834	67.730	ug/l 95
14) Allyl chloride	4.27	41	75612	15.778	ug/l 97
15) Acrylonitrile	4.92	53	136988	86.329	ug/l 99
16) Acetone	3.77	43	113193	92.180	ug/l 97
17) Carbon Disulfide	4.01	76	142675	17.691	ug/l 99
18) Methyl Acetate	4.28	43	68276	17.646	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	222731	17.828	ug/l 100
20) Methylene Chloride	4.50	84	72239	17.463	ug/l 95
21) trans-1,2-Dichloroethene	4.98	96	70113	16.960	ug/l 92
22) Diisopropyl ether	5.90	45	187890	17.789	ug/l 97
23) Vinyl Acetate	5.84	43	695071	82.565	ug/l 99
24) 1,1-Dichloroethane	5.79	63	116069	17.329	ug/l 98
25) 2-Butanone	6.78	43	166368	82.132	ug/l 99
26) 2,2-Dichloropropane	6.77	77	106863	17.432	ug/l 100
27) cis-1,2-Dichloroethene	6.78	96	82901	17.710	ug/l 100
28) Bromochloromethane	7.14	49	51720	19.724	ug/l 98
29) Tetrahydrofuran	7.16	42	108751	81.417	ug/l 98
30) Chloroform	7.32	83	133189	17.974	ug/l 99
31) Cyclohexane	7.61	56	99469	16.513	ug/l 94
32) 1,1,1-Trichloroethane	7.52	97	115911	17.167	ug/l 100
36) 1,1-Dichloropropene	7.75	75	90550	17.992	ug/l 98
37) Ethyl Acetate	6.88	43	70224	17.324	ug/l 95
38) Carbon Tetrachloride	7.73	117	94401	19.446	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\
 Data File : VN061689.D
 Acq On : 8 Jun 2020 12:37
 Operator : JC/MD
 Sample : VN0608WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0608WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 1:46:15 PM

Quant Time: Jun 09 03:32:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	104665	16.873	ug/l	97
40) Benzene	8.00	78	287661	18.525	ug/l	98
41) Methacrylonitrile	7.12	41	26402	14.216	ug/l	86
42) 1,2-Dichloroethane	8.08	62	97101	18.678	ug/l	99
43) Isopropyl Acetate	8.12	43	124825	17.116	ug/l	96
44) Trichloroethene	8.80	130	88081	18.457	ug/l	95
45) 1,2-Dichloropropane	9.08	63	69725	18.910	ug/l	100
46) Dibromomethane	9.17	93	54105	19.132	ug/l	97
47) Bromodichloromethane	9.37	83	106542	19.016	ug/l	99
48) Methyl methacrylate	9.16	41	53028	16.162	ug/l	95
49) 1,4-Dioxane	9.16	88	25100	493.803	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	353508	86.019	ug/l	97
52) Toluene	10.12	92	191310	18.876	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	111808	18.525	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	120240	18.528	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	78485	19.437	ug/l	97
56) Ethyl methacrylate	10.40	69	101610	18.014	ug/l	98
57) 1,3-Dichloropropane	10.68	76	127294	19.711	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	217451	90.212	ug/l	98
59) 2-Hexanone	10.72	43	250636	84.920	ug/l	98
60) Dibromochloromethane	10.87	129	88982	19.384	ug/l	99
61) 1,2-Dibromoethane	10.98	107	80973	19.228	ug/l	99
64) Tetrachloroethene	10.60	164	95229	18.884	ug/l	96
65) Chlorobenzene	11.40	112	214788	19.288	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	81421	19.636	ug/l	100
67) Ethyl Benzene	11.48	91	355975	18.495	ug/l	98
68) m/p-Xylenes	11.59	106	285938	37.467	ug/l	98
69) o-Xylene	11.92	106	138389	19.092	ug/l	96
70) Styrene	11.94	104	223339	18.606	ug/l	99
71) Bromoform	12.10	173	61346	19.200	ug/l #	99
73) Isopropylbenzene	12.22	105	359883	18.401	ug/l	99
74) N-amyl acetate	12.04	43	102285	16.607	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	99665	18.185	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	97682m	20.047	ug/l	
77) Bromobenzene	12.50	156	97242	19.478	ug/l	96
78) n-propylbenzene	12.56	91	392190	17.962	ug/l	100
79) 2-Chlorotoluene	12.65	91	233529	17.937	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	294832	18.036	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	29858	15.670	ug/l	95
82) 4-Chlorotoluene	12.75	91	245272	17.908	ug/l	99
83) tert-Butylbenzene	12.97	119	255646	17.700	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	296755	18.274	ug/l	98
85) sec-Butylbenzene	13.15	105	325159	17.471	ug/l	100
86) p-Isopropyltoluene	13.26	119	305095	17.801	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	167299	18.924	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	171970	19.095	ug/l	99
89) n-Butylbenzene	13.59	91	247712	17.255	ug/l	99
90) Hexachloroethane	13.85	117	44393	23.421	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	165655	19.608	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17538	15.690	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\
Data File : VN061689.D
Acq On : 8 Jun 2020 12:37
Operator : JC/MD
Sample : VN0608WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

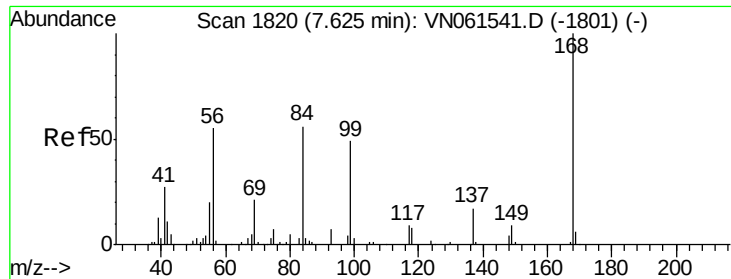
Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:15 PM

Quant Time: Jun 09 03:32:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	92928	18.808	ug/l	99
94) Hexachlorobutadiene	14.98	225	40510	19.224	ug/l	98
95) Naphthalene	15.10	128	268242	17.837	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	92214	18.982	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion:168 Resp: 358736

Ion Ratio Lower Upper

168 100

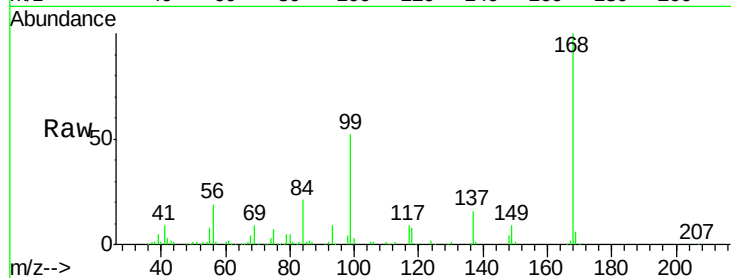
99 51.7 45.0 67.4

Manual Integrations

APPROVED

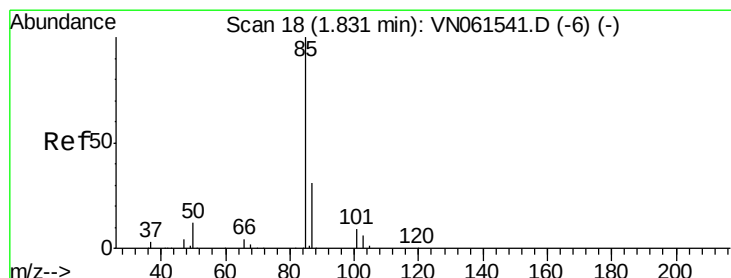
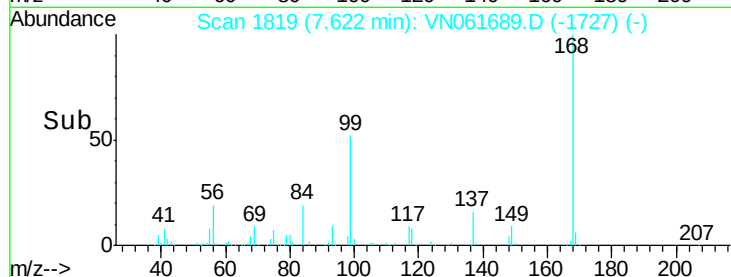
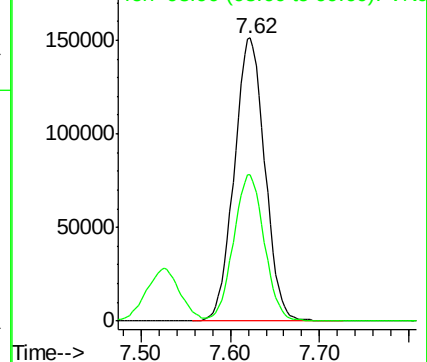
MMDadoda

6/9/2020 1:46:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.409 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061689.D

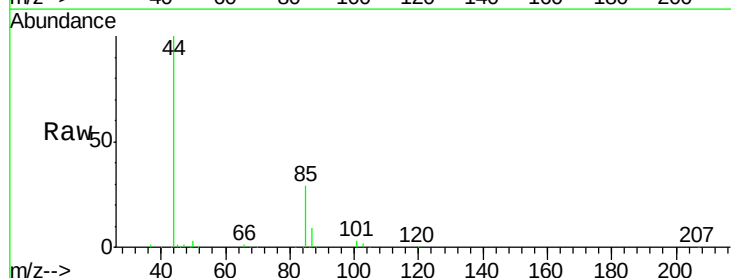
Acq: 8 Jun 2020 12:37

Tgt Ion: 85 Resp: 73175

Ion Ratio Lower Upper

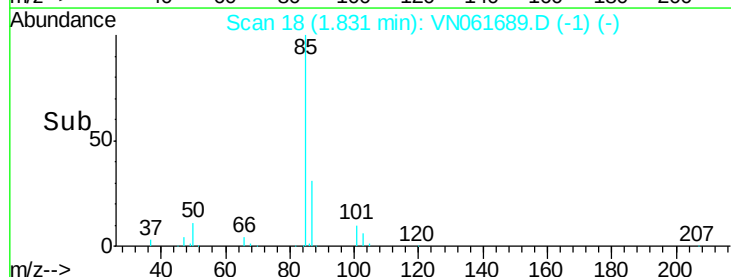
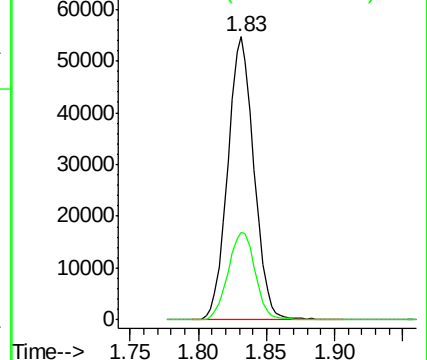
85 100

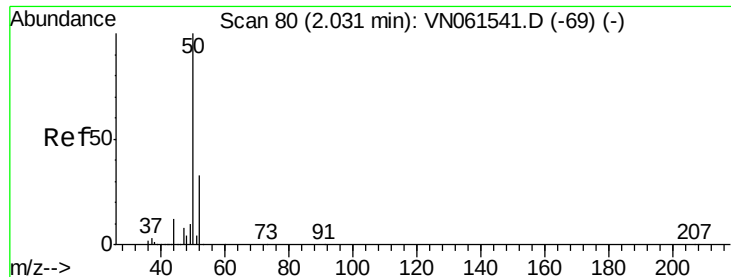
87 31.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.434 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Tot Ion: 50 Resp: 71907

Ion Ratio Lower Upper

50 100

52 33.6 26.7 40.1

Instrument :

MSVOA_N

ClientSampleId :

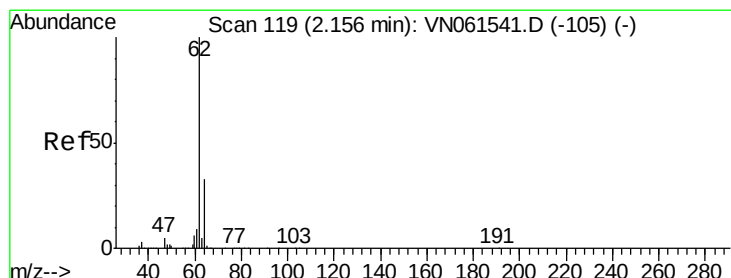
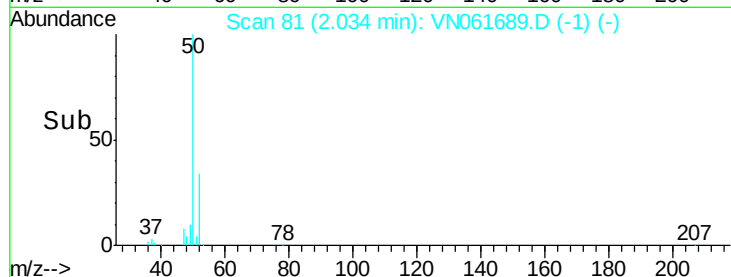
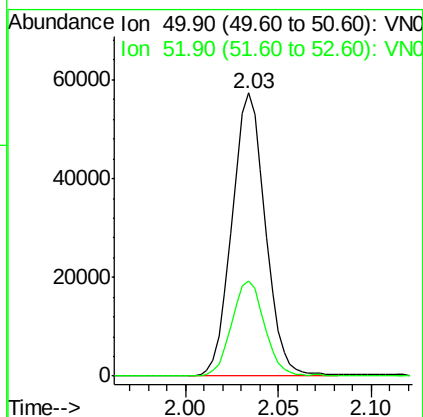
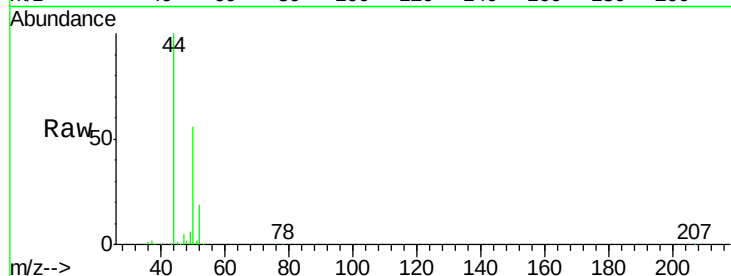
VN0608WBSD01

Manual Integrations

APPROVED

MMDadoda

6/9/2020 1:46:15 PM



#4

Vinyl Chloride

Concen: 15.918 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061689.D

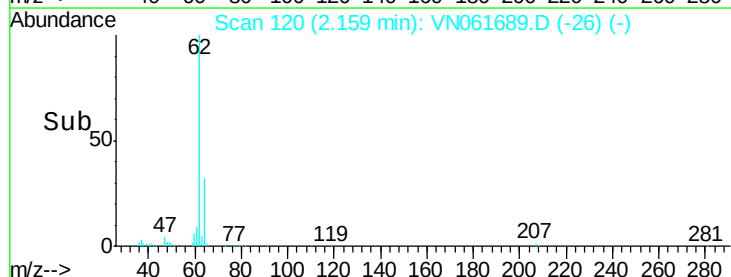
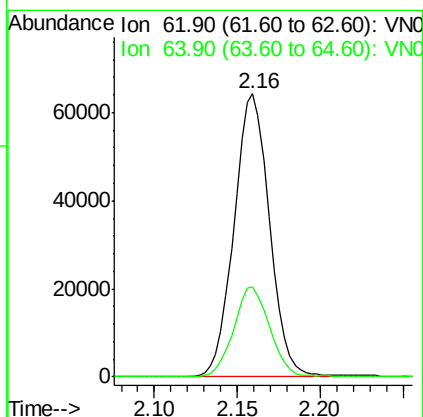
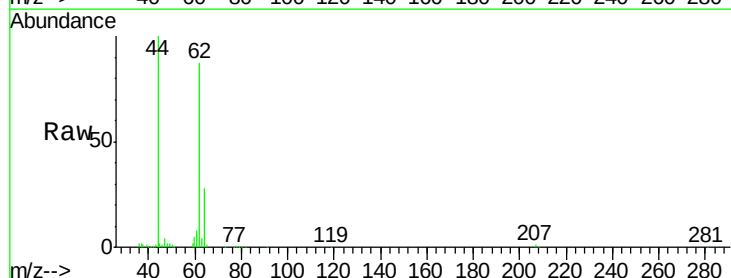
Acq: 8 Jun 2020 12:37

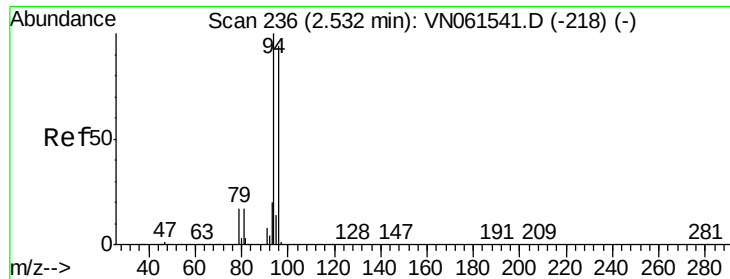
Tgt Ion: 62 Resp: 95443

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





#5

Bromomethane

Concen: 18.453 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampled :

VN0608WBSD01

Tot Ion: 94 Resp: 63489

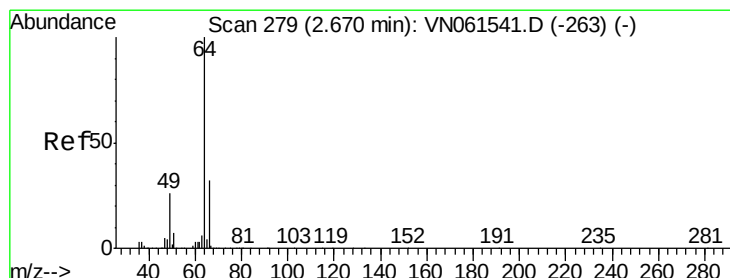
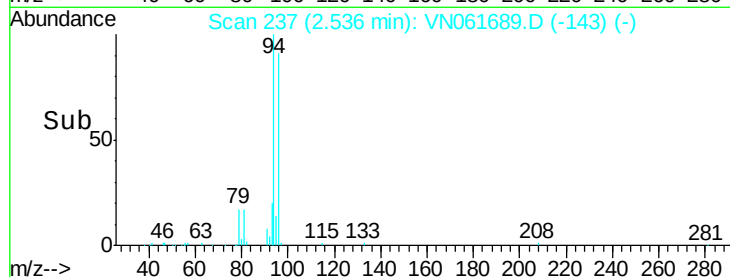
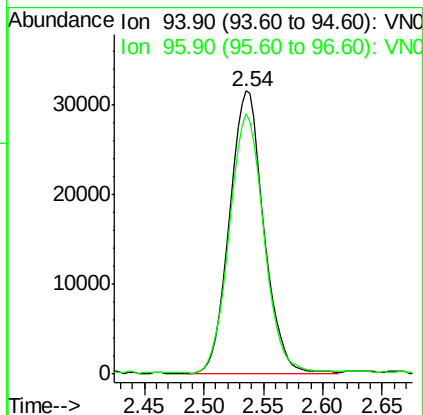
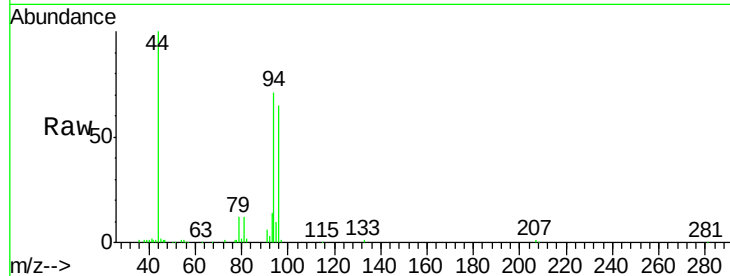
Ion Ratio Lower Upper

94 100

96 91.4 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:15 PM



#6

Chloroethane

Concen: 16.321 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061689.D

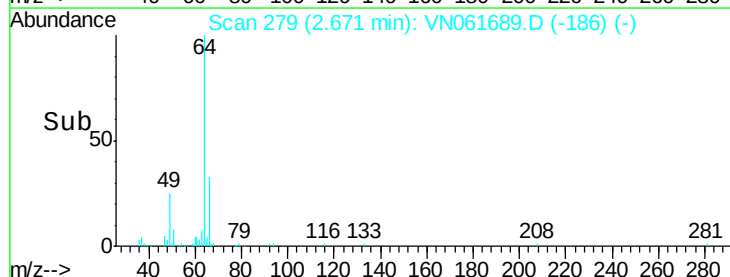
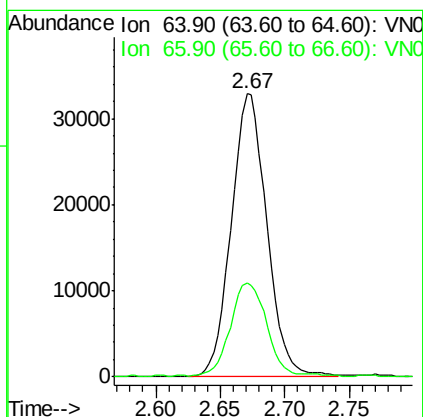
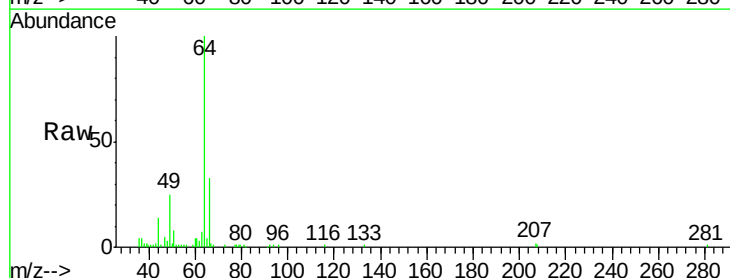
Acq: 8 Jun 2020 12:37

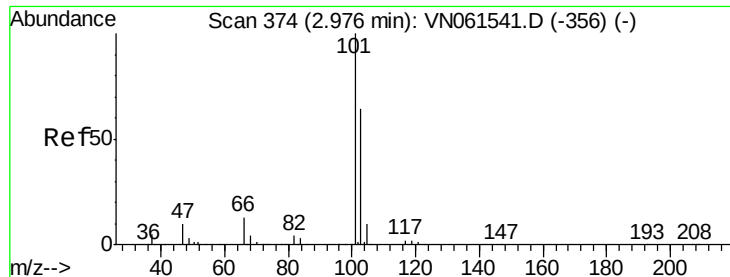
Tgt Ion: 64 Resp: 62989

Ion Ratio Lower Upper

64 100

66 33.2 25.6 38.4





#7

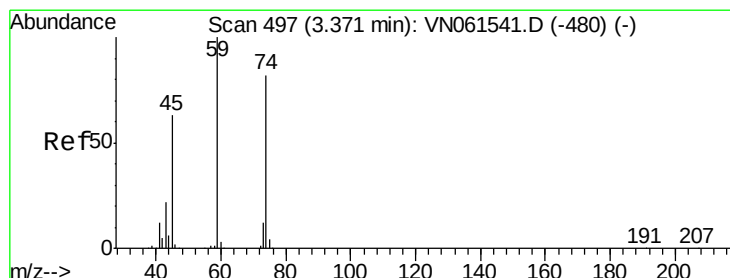
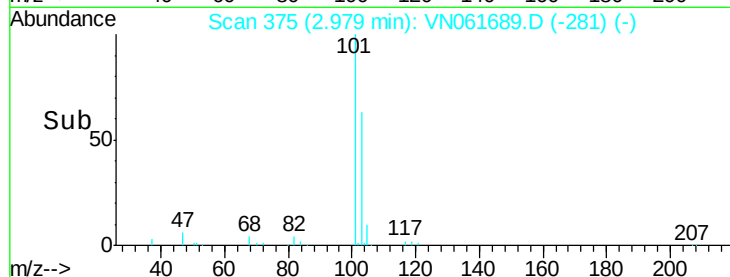
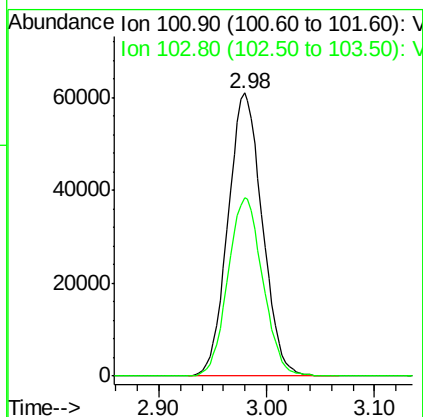
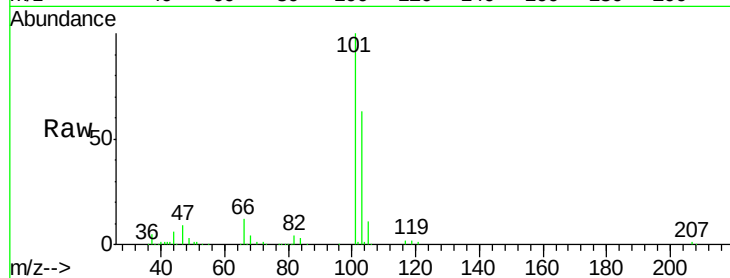
Trichlorofluoromethane
Concen: 17.459 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	134996		
103	62.9	51.4	77.2	

Manual Integrations
APPROVED

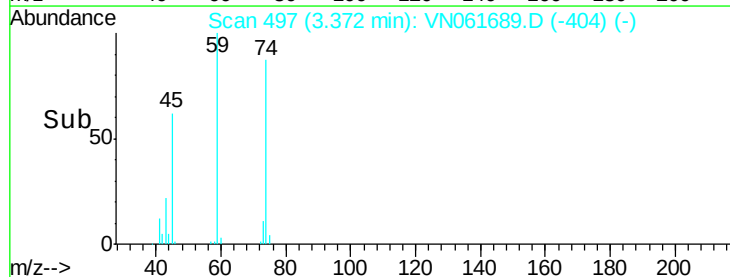
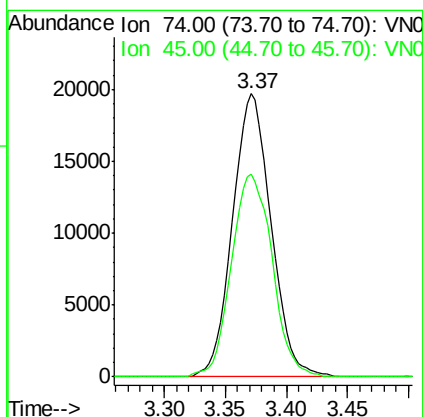
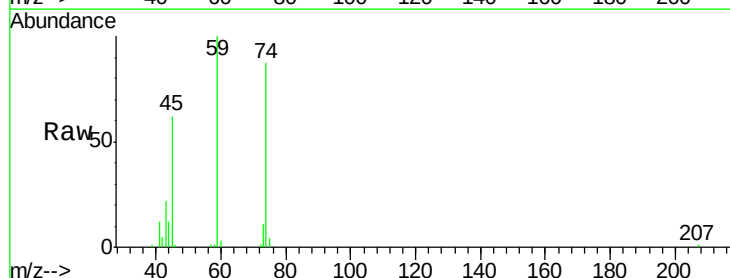
MMDadoda
6/9/2020 1:46:15 PM

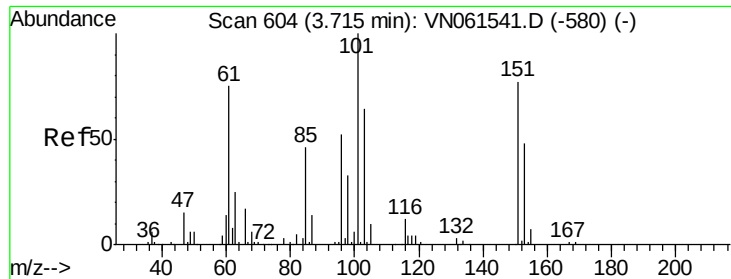


#8

Diethyl Ether
Concen: 18.241 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43127		
45	75.6	39.9	119.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.984 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

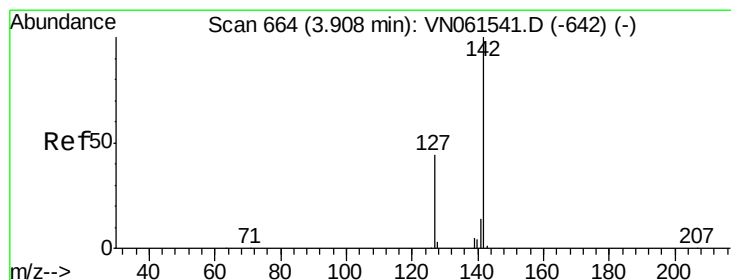
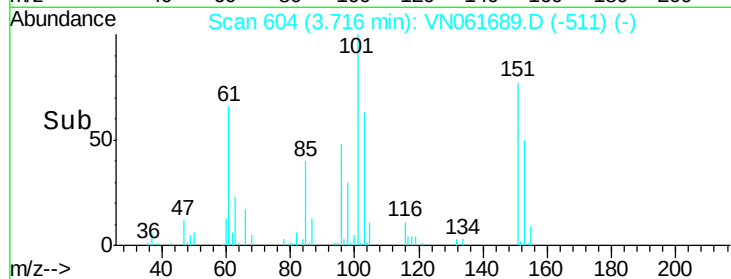
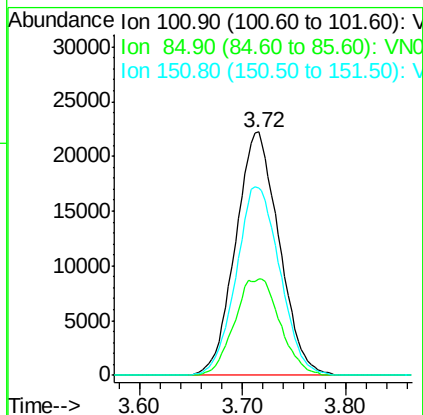
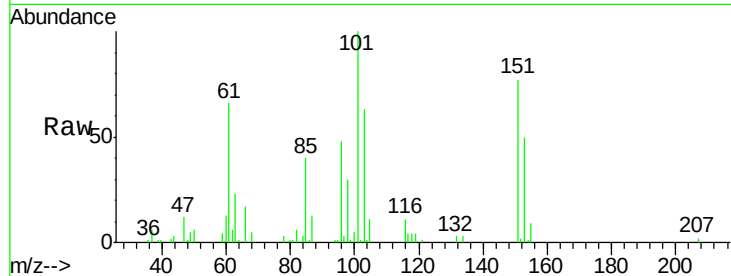
ClientSampleId :

VN0608WBSD01

Tot Ion:	101	Resp:	65134
Ion Ratio	Lower	Upper	
101	100		
85	41.5	35.2	52.8
151	78.1	61.0	91.6

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:15 PM



#10

Methyl Iodide

Concen: 18.394 ug/l

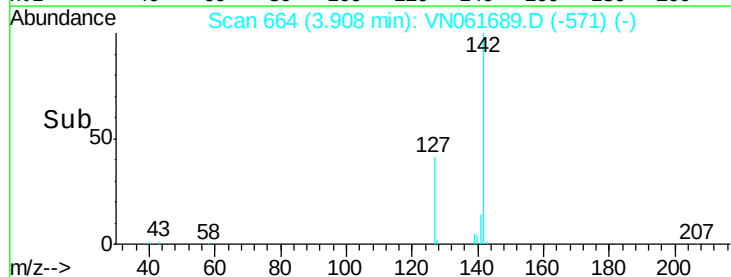
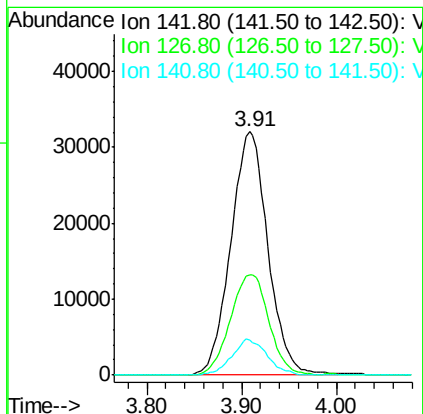
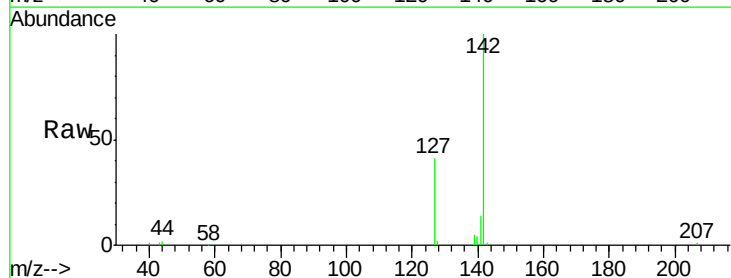
RT: 3.91 min Scan# 664

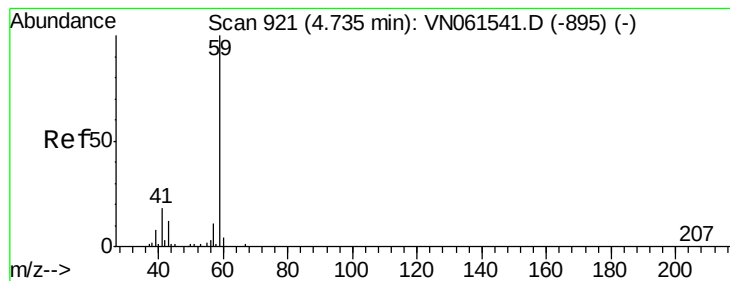
Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Tgt Ion:	142	Resp:	87609
Ion Ratio	Lower	Upper	
142	100		
127	42.7	35.5	53.3
141	13.8	11.5	17.3





#11

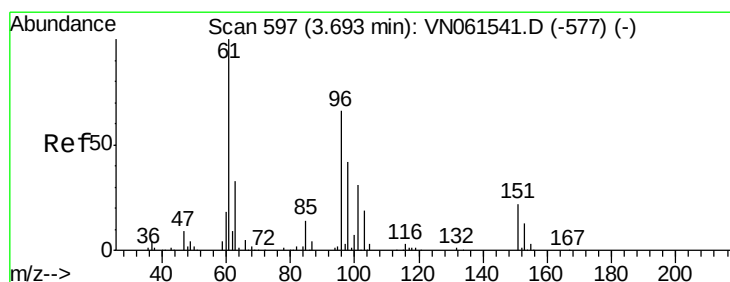
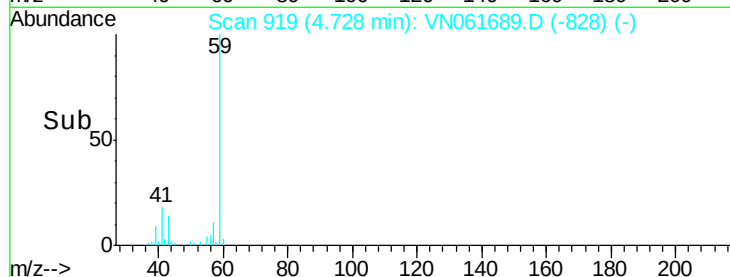
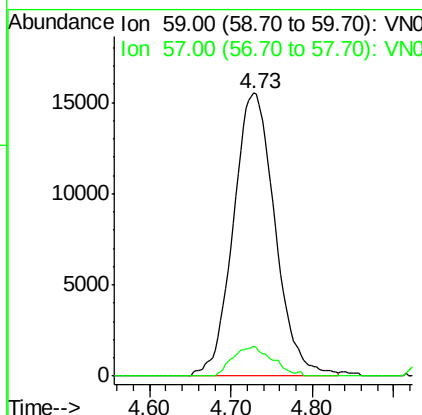
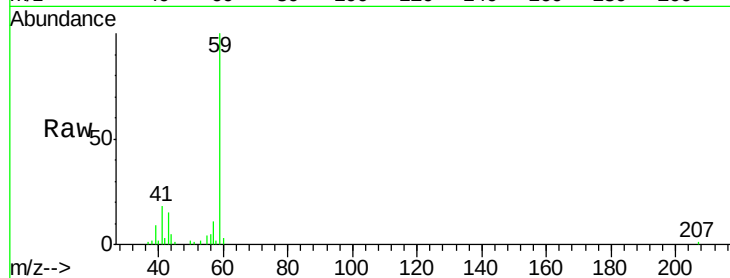
Tert butyl alcohol
Concen: 96.736 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.4	12.6

Manual Integrations
APPROVED

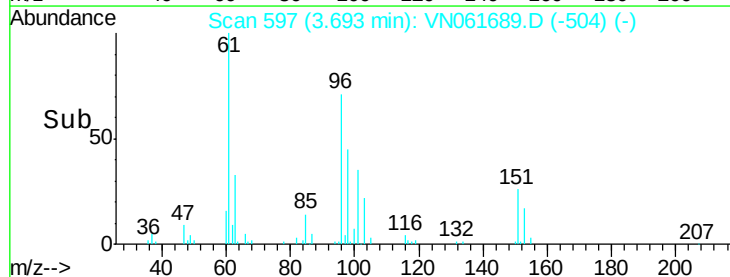
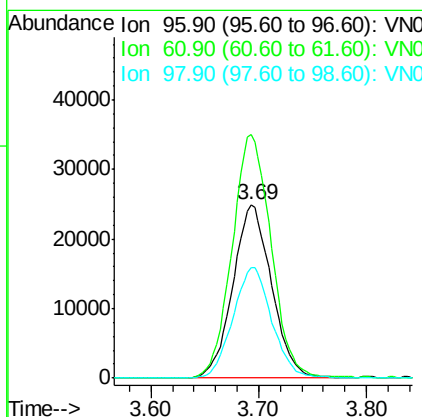
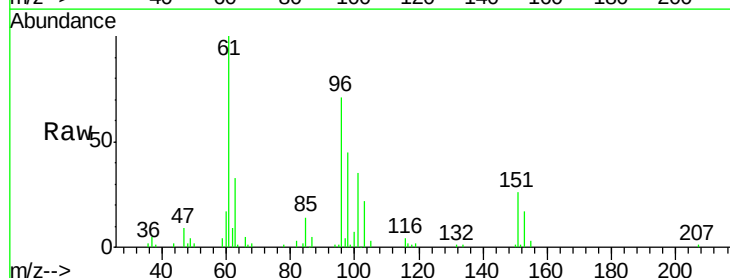
MMDadoda
6/9/2020 1:46:15 PM

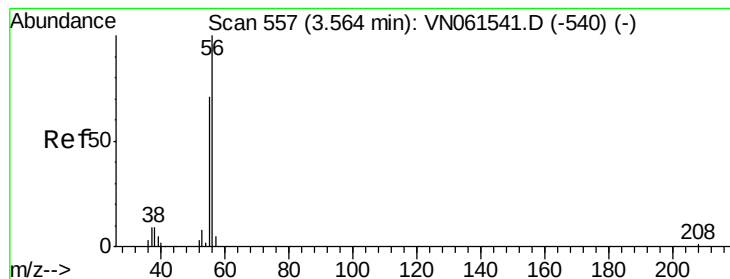


#12

1,1-Dichloroethene
Concen: 16.982 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.3	120.5	180.7
98	63.4	50.8	76.2





#13

Acrolein

Concen: 67.730 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 56 Resp: 14834

Ion Ratio Lower Upper

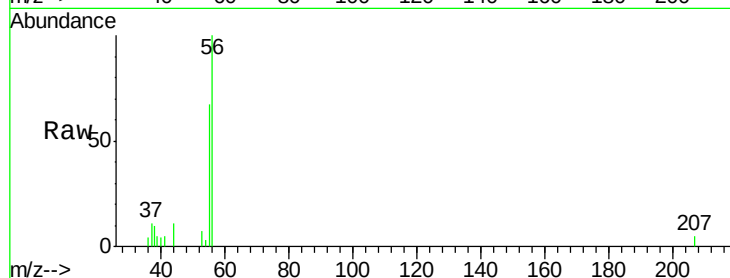
56 100

55 68.6 58.0 87.0

Manual Integrations
APPROVED

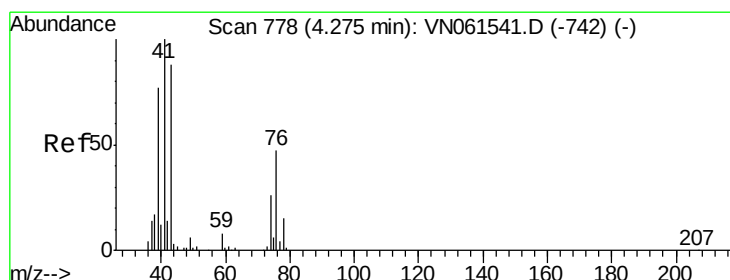
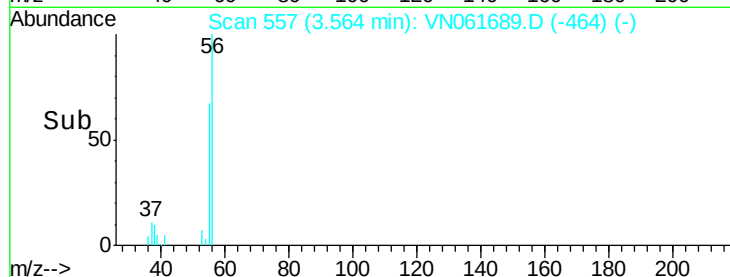
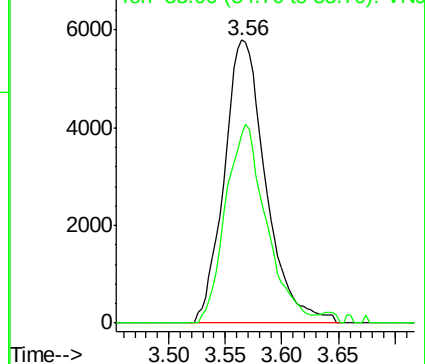
MMDadoda

6/9/2020 1:46:15 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 15.778 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

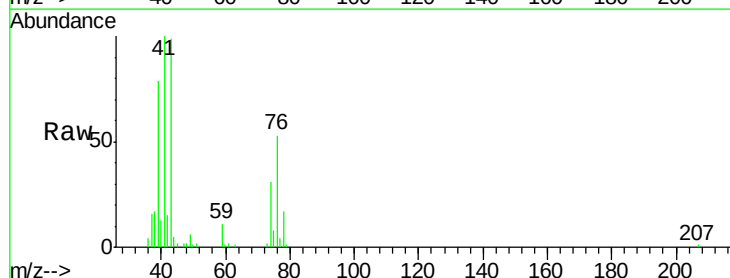
Tgt Ion: 41 Resp: 75612

Ion Ratio Lower Upper

41 100

39 73.0 58.6 88.0

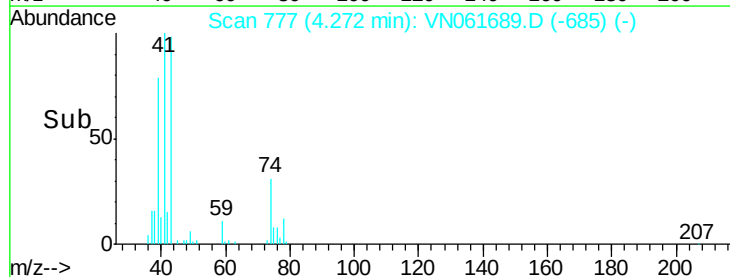
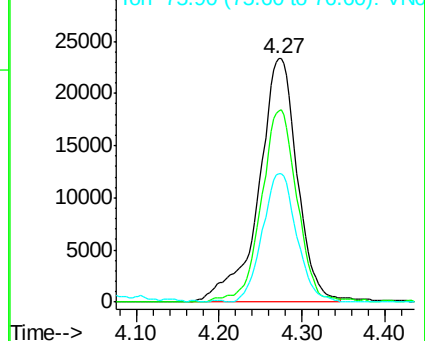
76 46.8 34.2 51.4

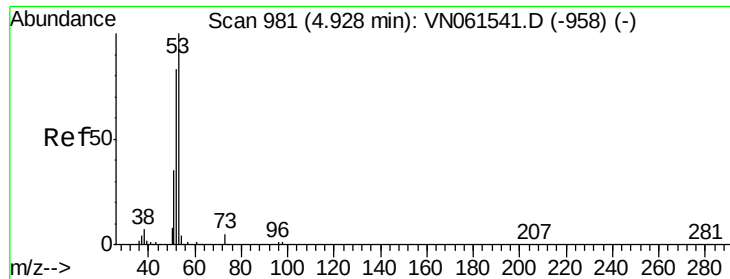


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 86.329 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

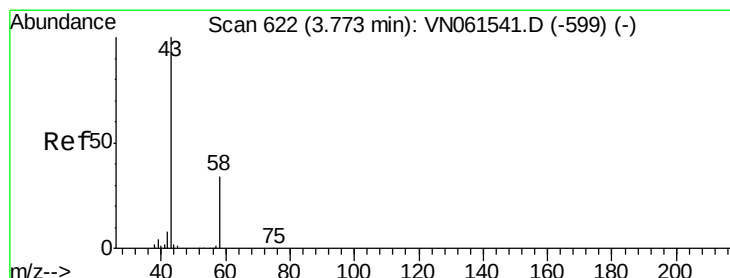
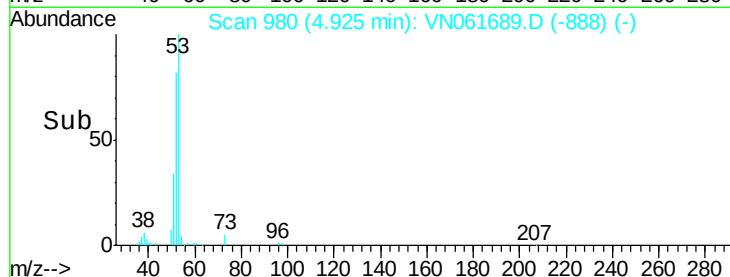
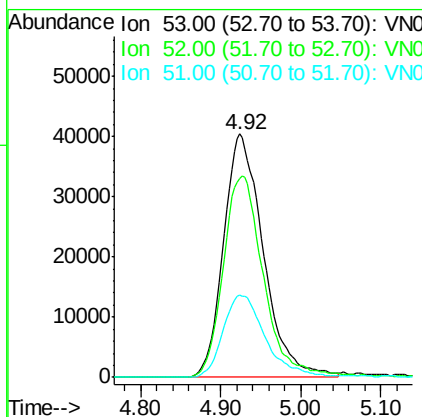
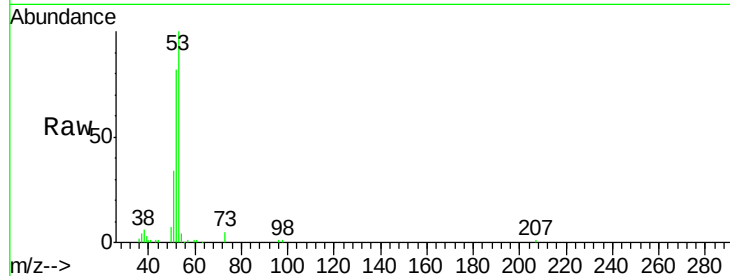
ClientSampleId :

VN0608WBSD01

Tot Ion:	53	Resp:	136988
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.4	98.2
51	35.9	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:15 PM



#16

Acetone

Concen: 92.180 ug/l

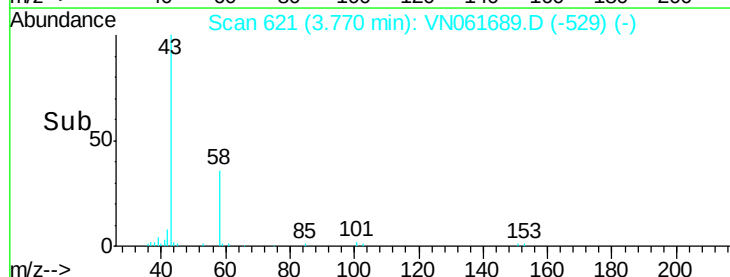
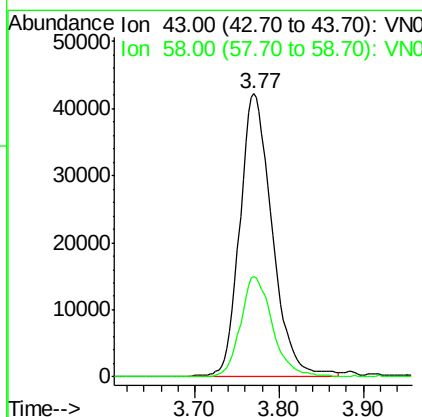
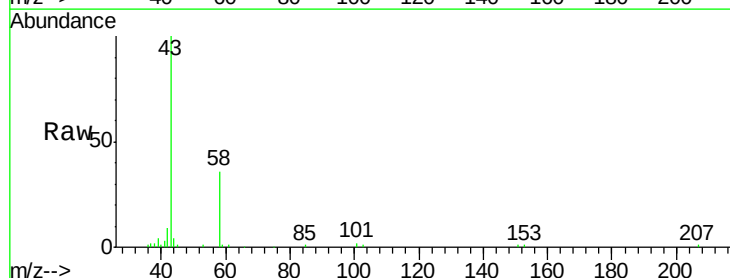
RT: 3.77 min Scan# 621

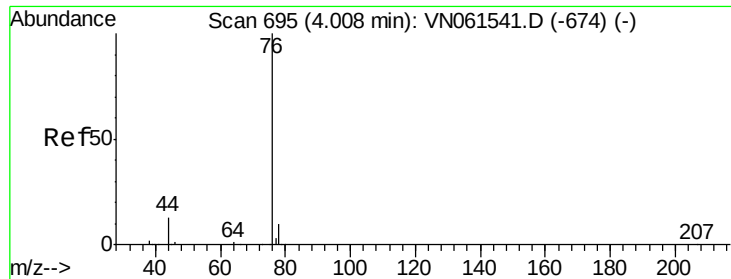
Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Tgt Ion:	43	Resp:	113193
Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.2	40.8





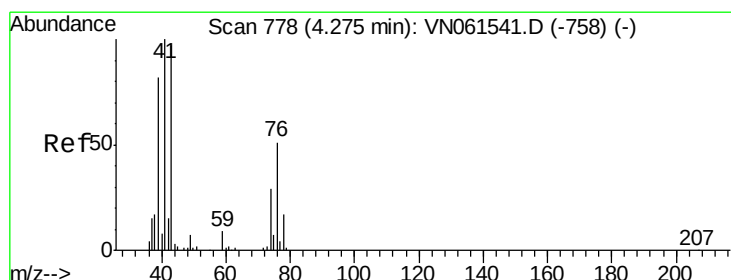
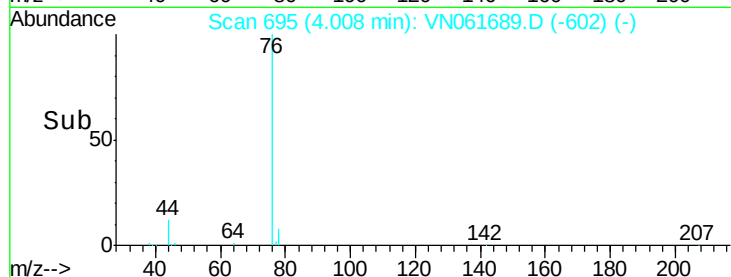
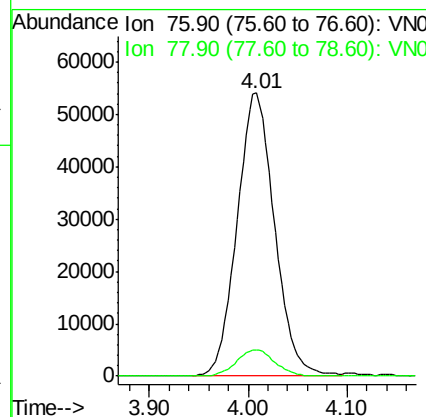
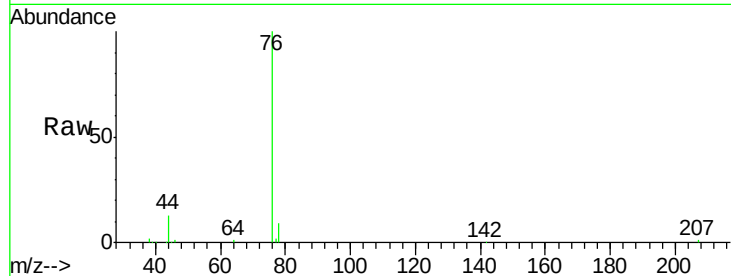
#17
Carbon Disulfide
Concen: 17.691 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.8	11.6

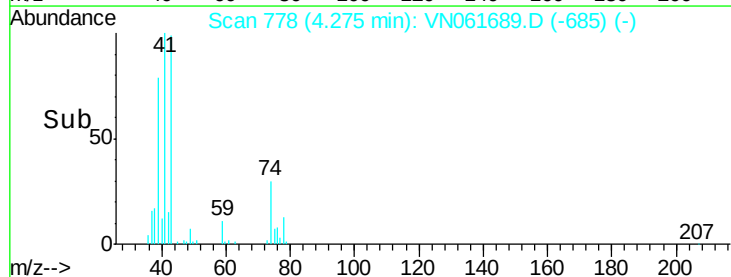
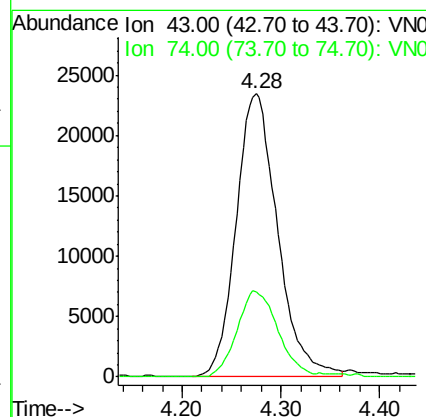
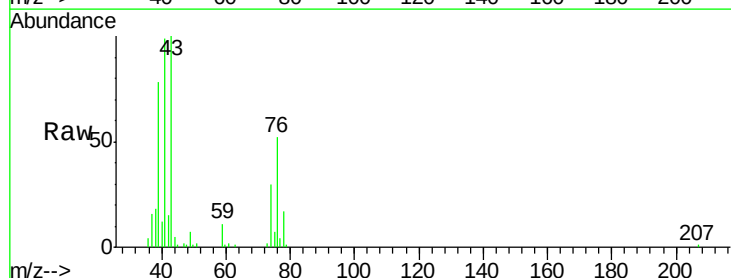
Manual Integrations
APPROVED

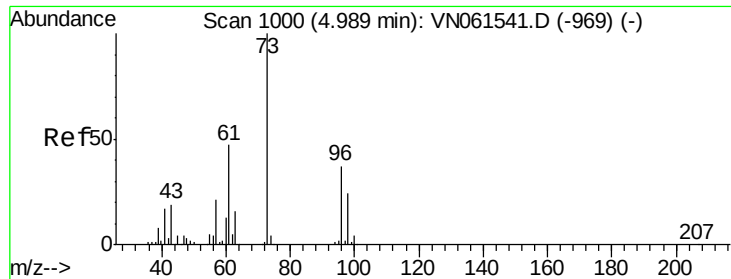
MMDadoda
6/9/2020 1:46:15 PM



#18
Methyl Acetate
Concen: 17.646 ug/l
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.9	23.2	34.8





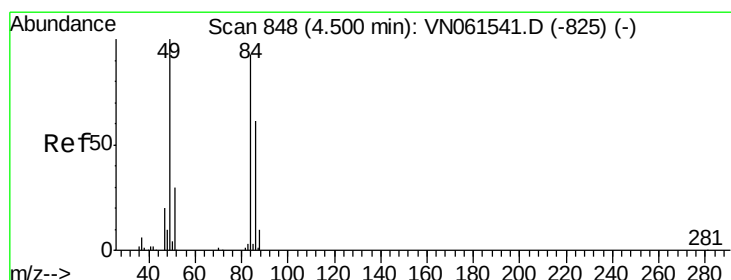
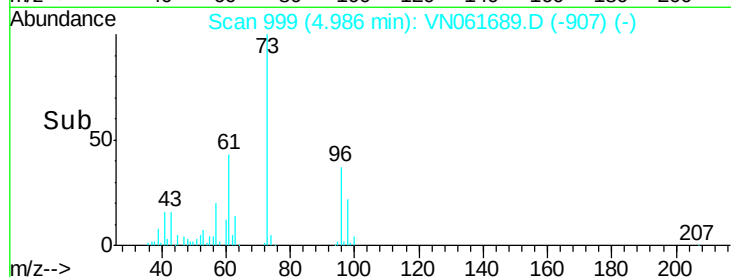
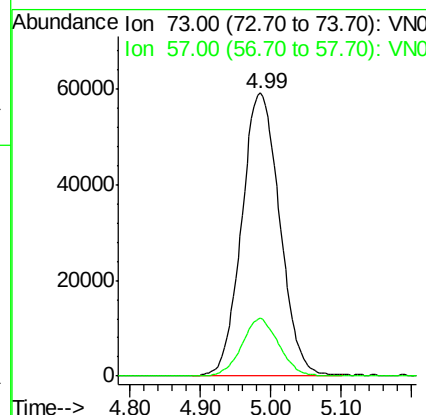
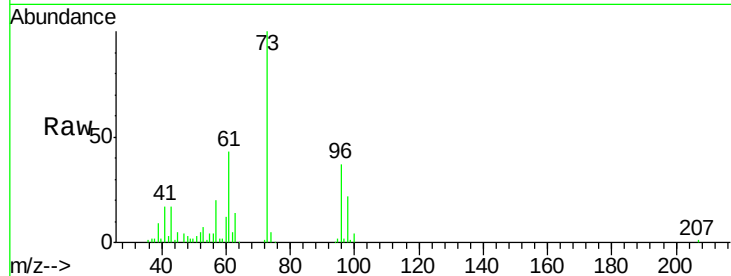
#19
Methvl tert-butvl Ether
Concen: 17.828 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion: 73 Resp: 222731
Ion Ratio Lower Upper
73 100
57 20.3 16.4 24.6

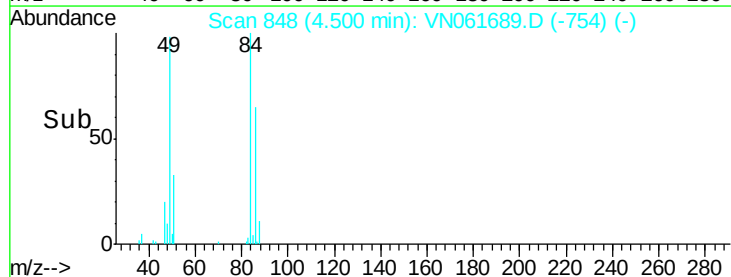
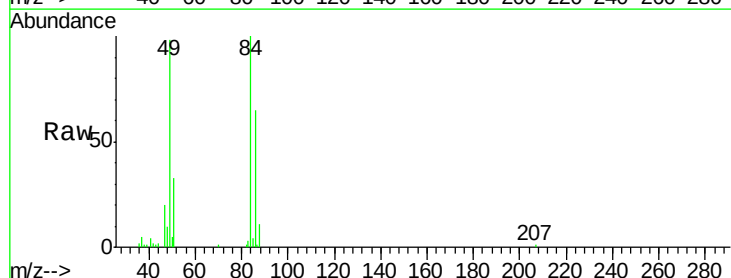
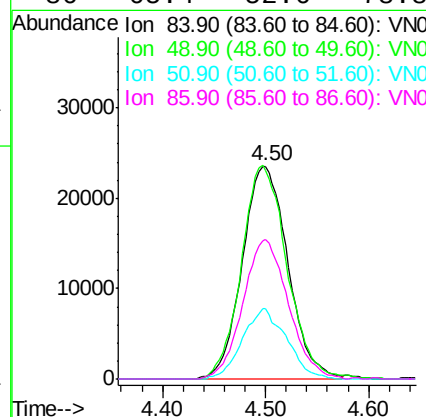
Manual Integrations
APPROVED

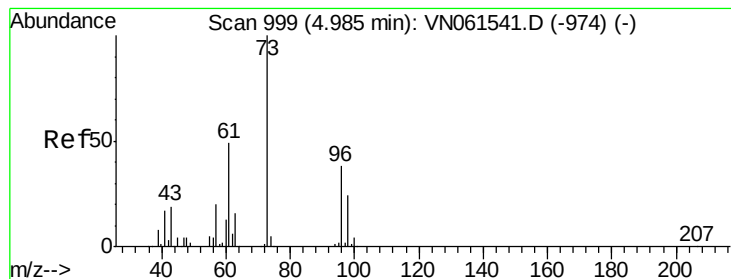
MMDadoda
6/9/2020 1:46:15 PM



#20
Methylene Chloride
Concen: 17.463 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion: 84 Resp: 72239
Ion Ratio Lower Upper
84 100
49 98.2 85.8 128.8
51 32.8 26.2 39.2
86 65.4 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 16.960 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 96 Resp: 70113

Ion Ratio Lower Upper

96 100

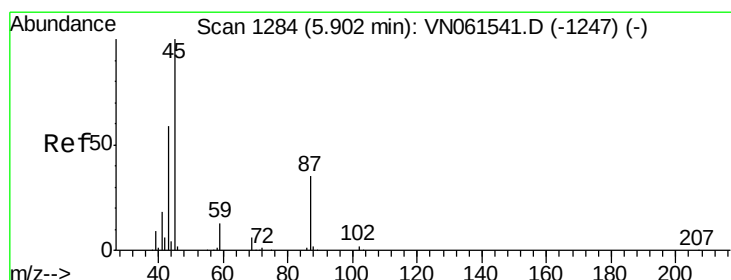
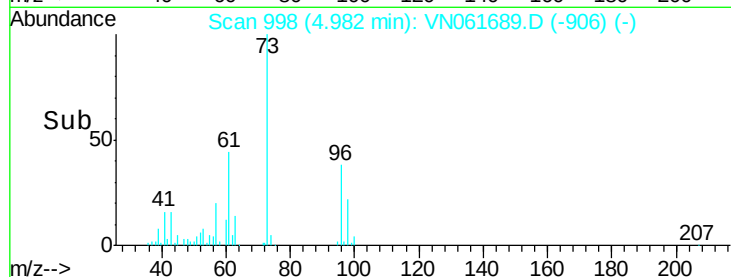
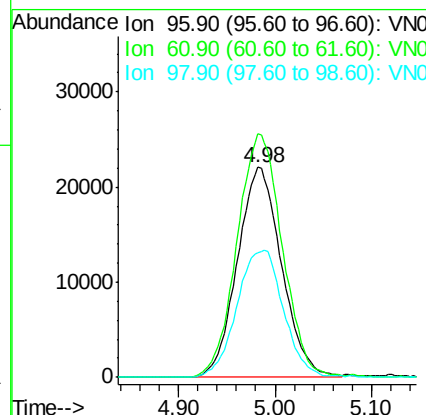
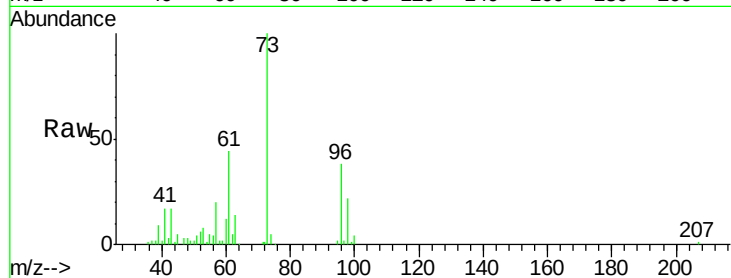
61 115.8 101.4 152.0

98 59.1 50.6 76.0

Manual Integrations
APPROVED

MMDadoda

6/9/2020 1:46:15 PM



#22

Diisopropyl ether

Concen: 17.789 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Tgt Ion: 45 Resp: 187890

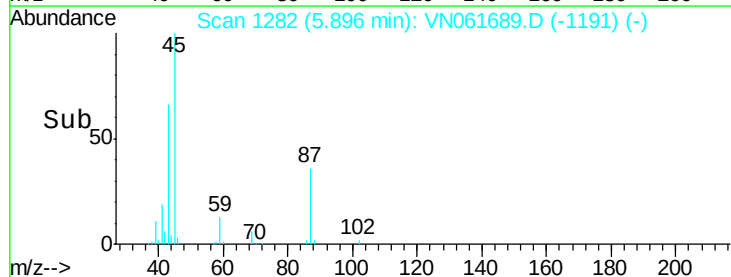
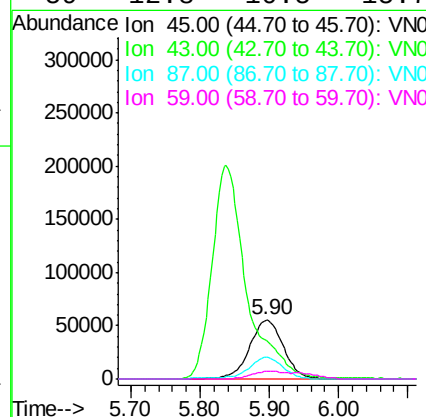
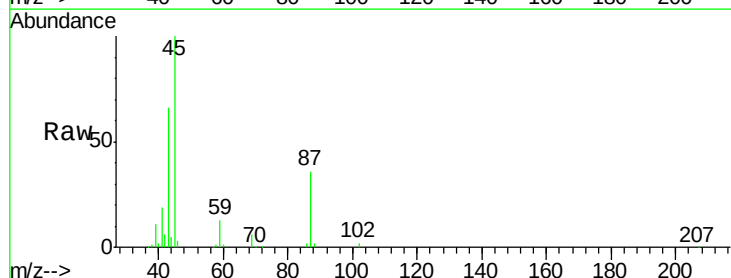
Ion Ratio Lower Upper

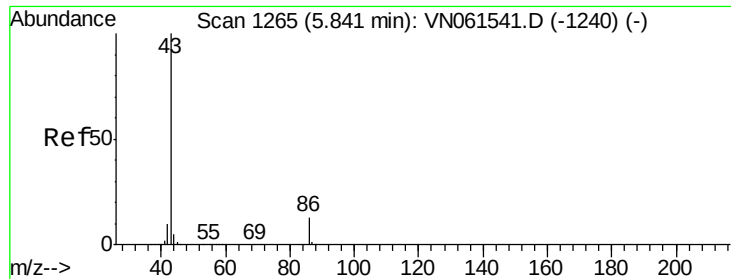
45 100

43 63.8 47.9 71.9

87 36.5 28.4 42.6

59 12.8 10.5 15.7





#23

Vinyl Acetate

Concen: 82.565 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 43 Resp: 695071

Ion Ratio Lower Upper

43 100

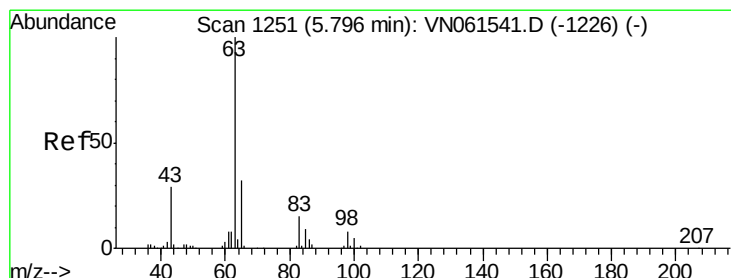
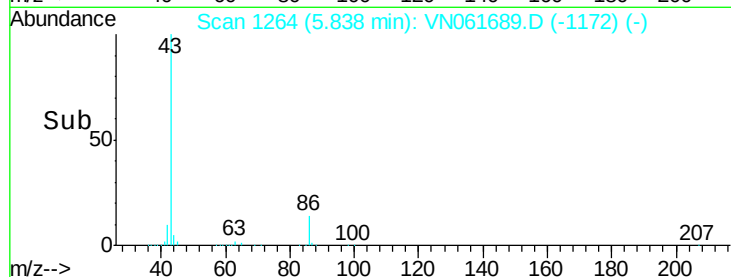
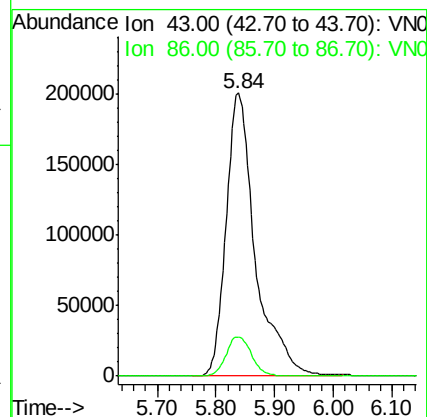
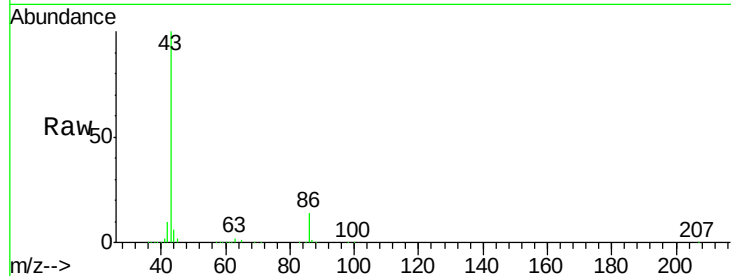
86 13.7 10.6 16.0

Manual Integrations

APPROVED

MMDadoda

6/9/2020 1:46:15 PM



#24

1,1-Dichloroethane

Concen: 17.329 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

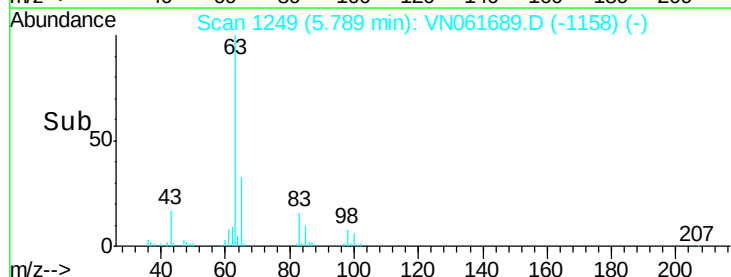
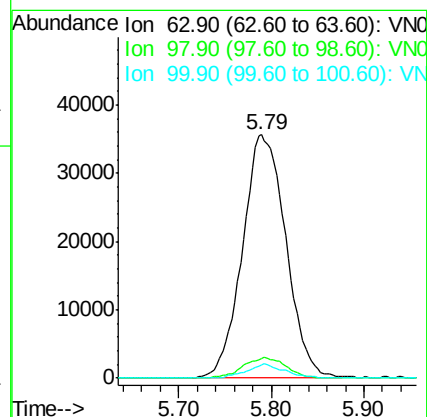
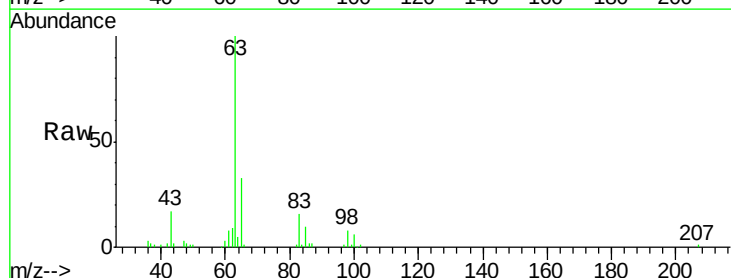
Tgt Ion: 63 Resp: 116069

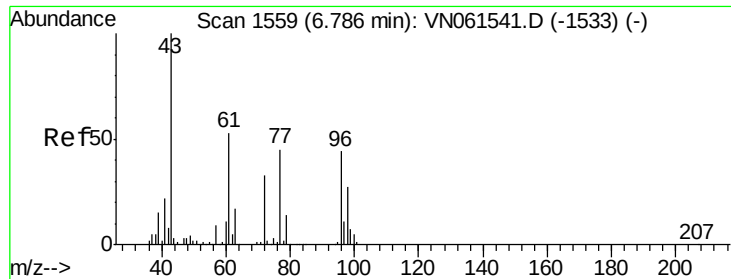
Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.4

100 5.7 2.5 7.6





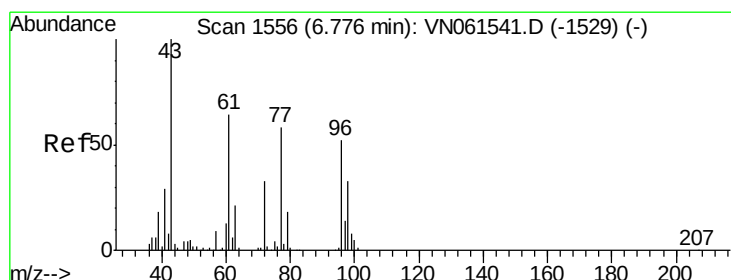
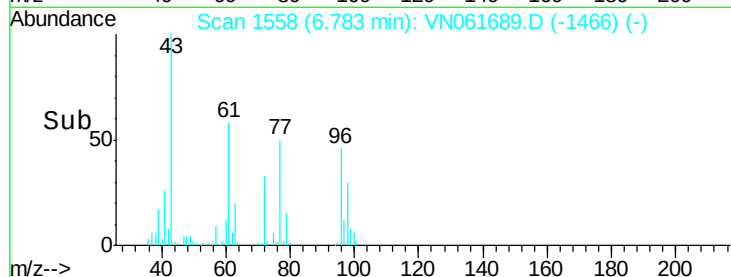
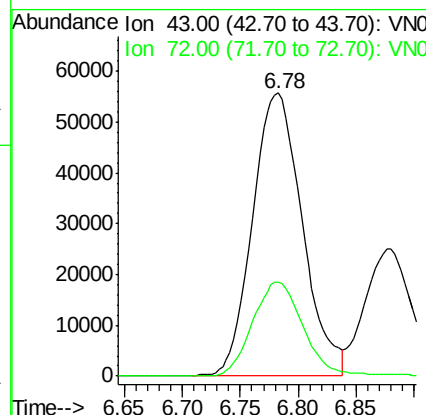
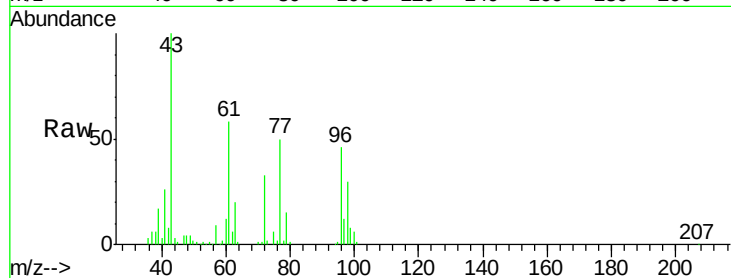
#25
2-Butanone
Concen: 82.132 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion: 43 Resp: 166368
Ion Ratio Lower Upper
43 100
72 33.3 26.0 39.0

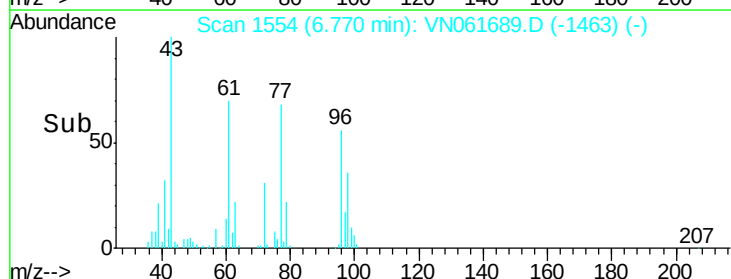
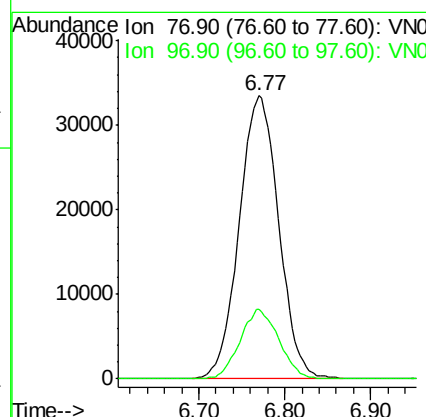
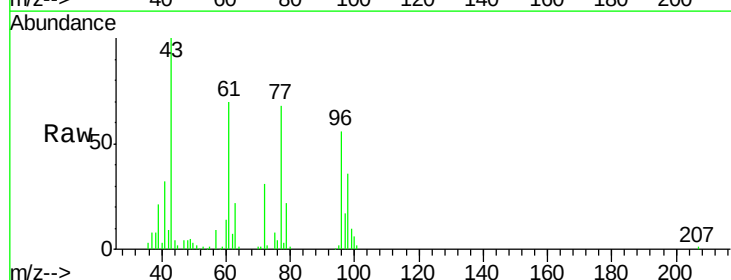
Manual Integrations
APPROVED

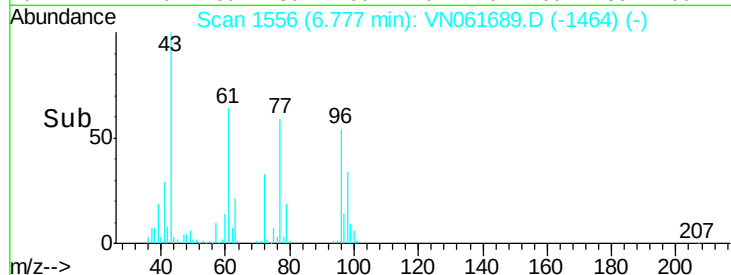
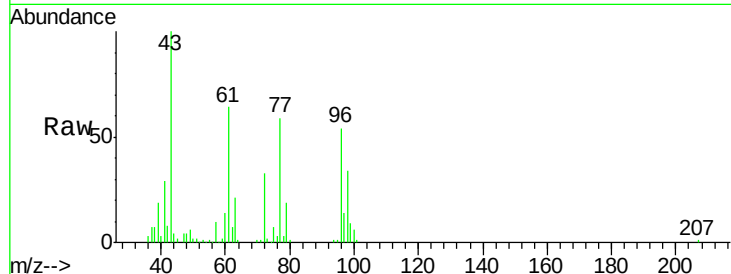
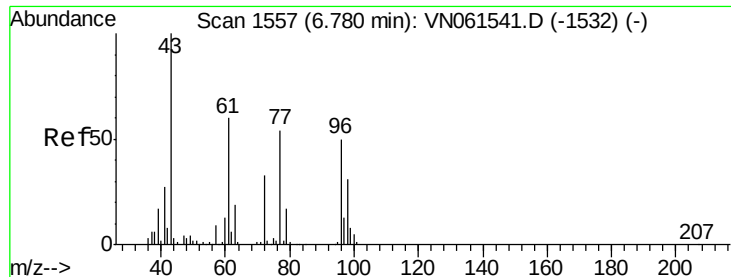
MMDadoda
6/9/2020 1:46:15 PM



#26
2,2-Dichloropropane
Concen: 17.432 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion: 77 Resp: 106863
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 17.710 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061689.D

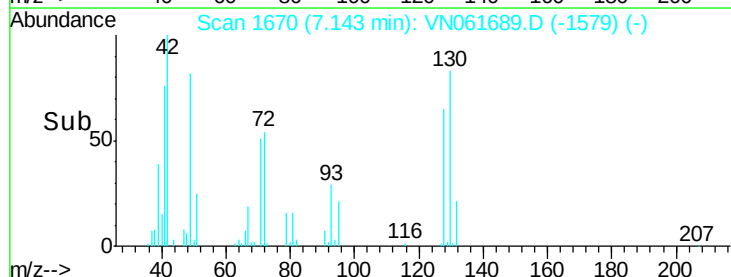
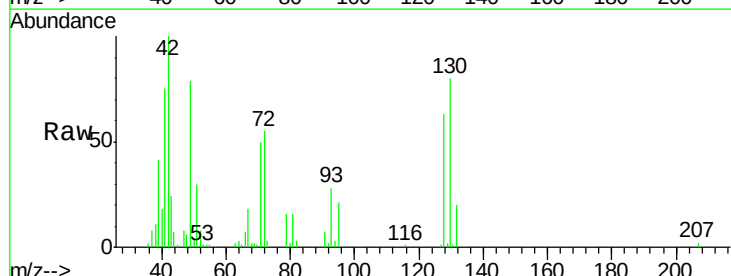
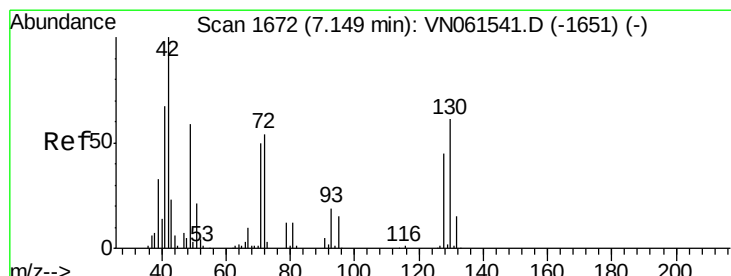
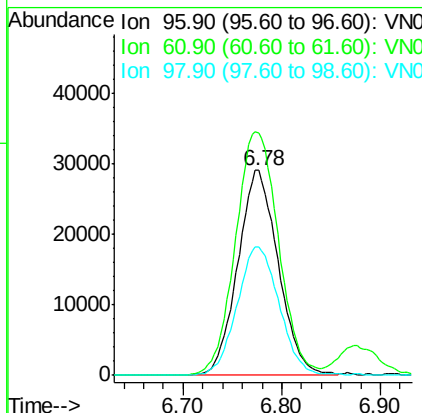
Acq: 8 Jun 2020 12:37

Tot Ion	96	Resp	82901
Ion	Ratio	Lower	Upper
96	100		
61	126.1	0.0	252.2
98	64.7	0.0	129.2

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:15 PM



#28

Bromochloromethane

Concen: 19.724 ug/l

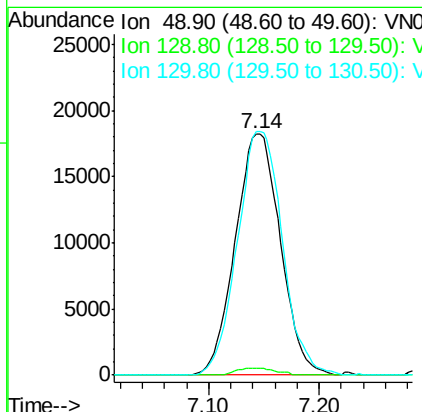
RT: 7.14 min Scan# 1670

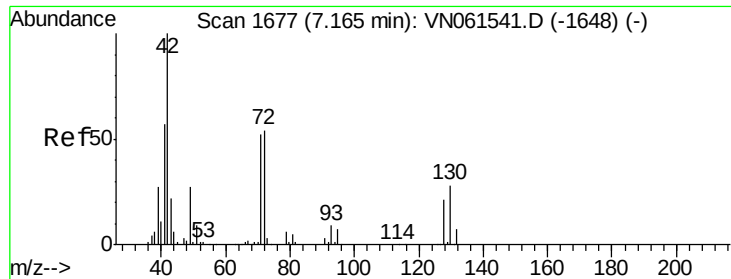
Delta R.T. -0.01 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Tgt Ion	49	Resp	51720
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	100.7	78.8	118.2





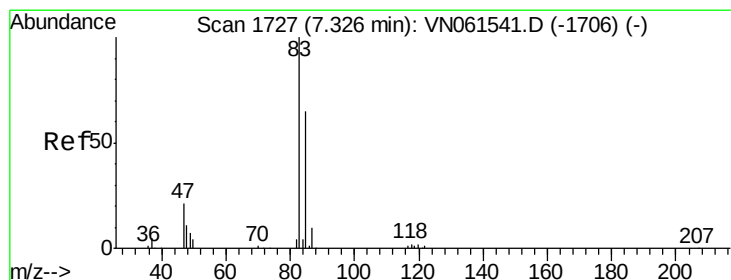
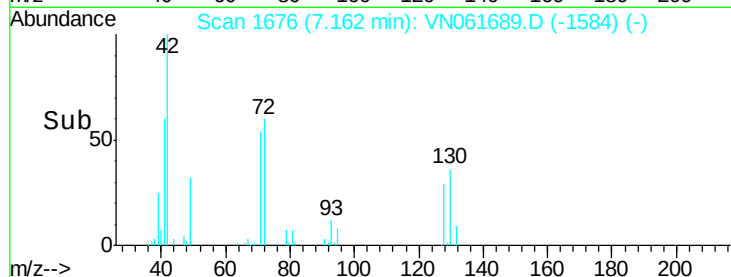
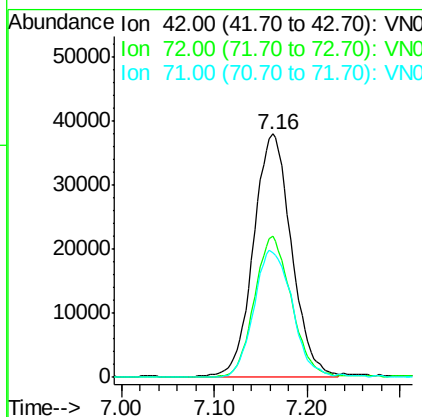
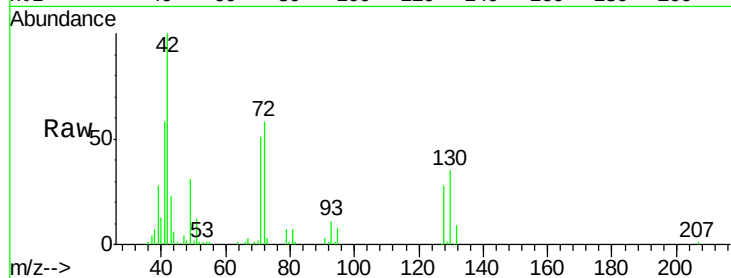
#29
Tetrahydrofuran
Concen: 81.417 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.3	43.6	65.4
71	52.3	41.2	61.8

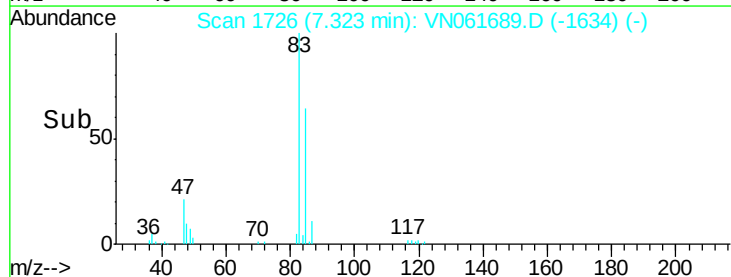
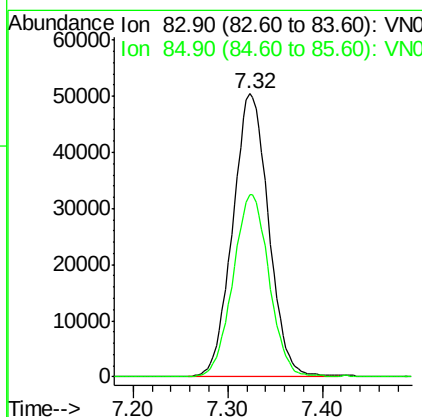
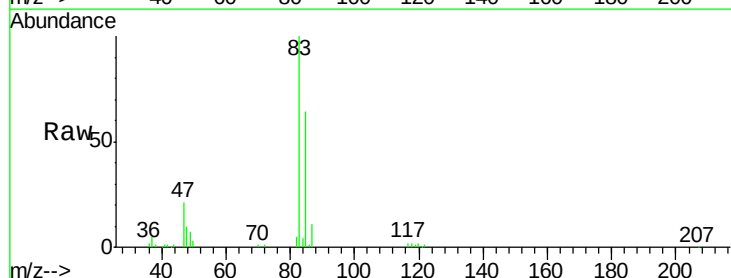
Manual Integrations
APPROVED

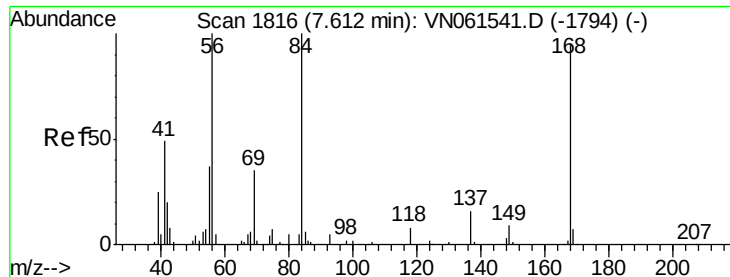
MMDadoda
6/9/2020 1:46:15 PM



#30
Chloroform
Concen: 17.974 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.7	77.5





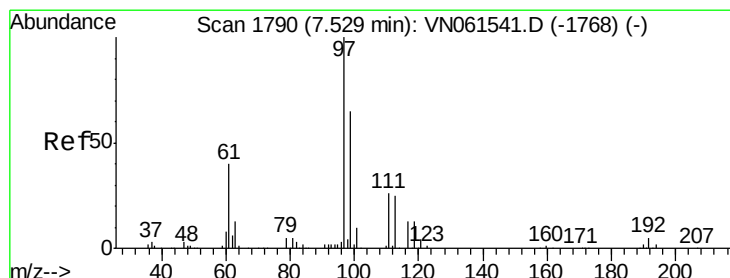
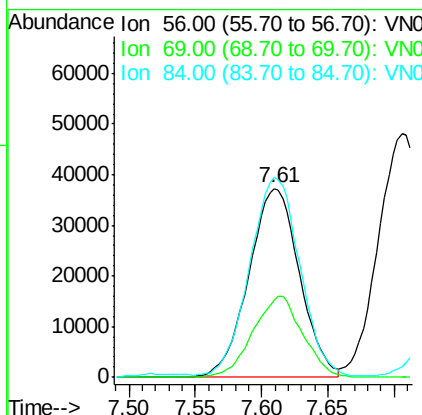
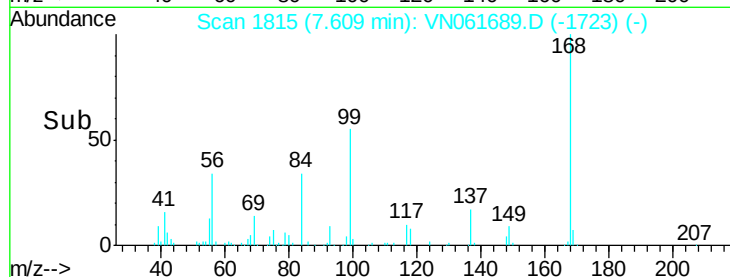
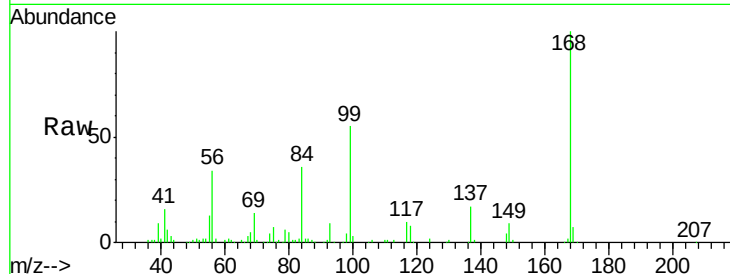
#31
Cyclohexane
Concen: 16.513 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.7	27.8	41.8
84	104.4	79.9	119.9

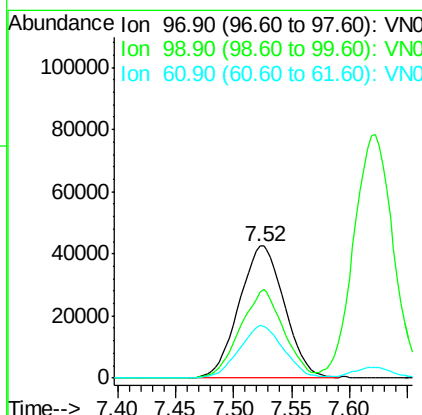
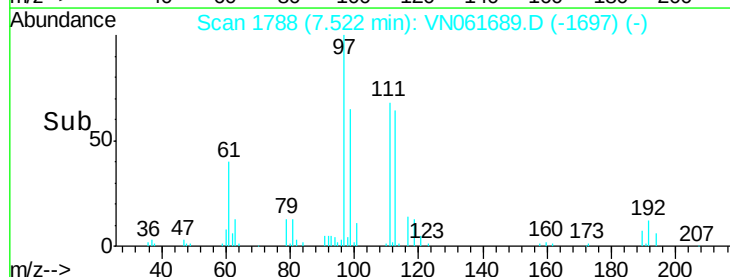
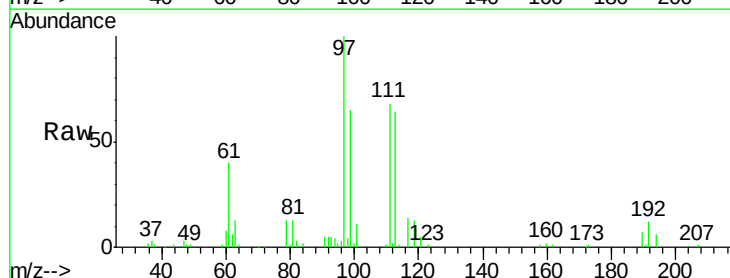
Manual Integrations
APPROVED

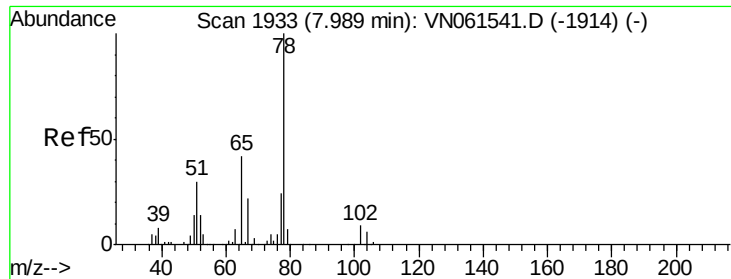
MMDadoda
6/9/2020 1:46:15 PM



#32
1,1,1-Trichloroethane
Concen: 17.167 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	39.1	31.4	47.0





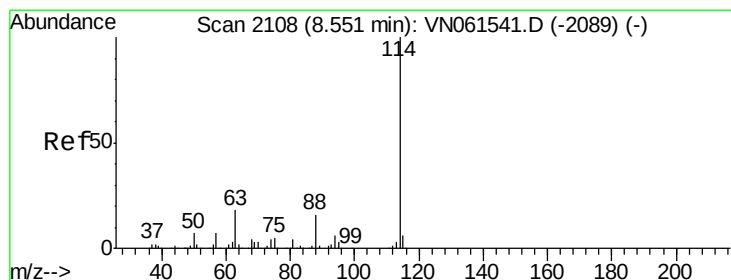
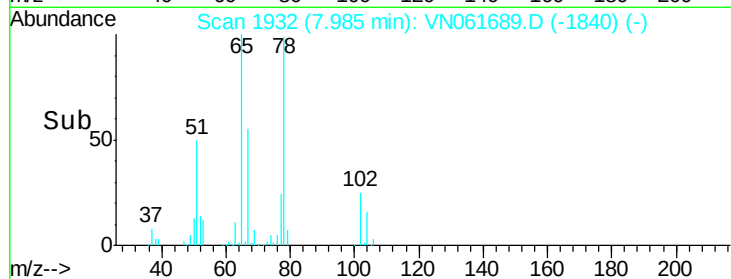
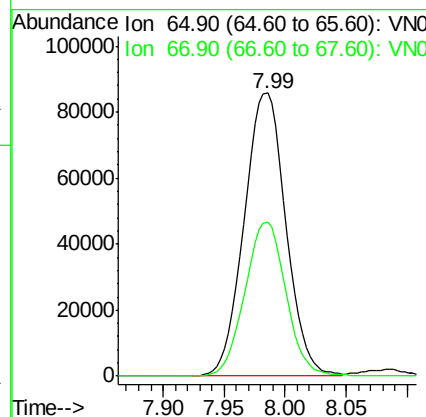
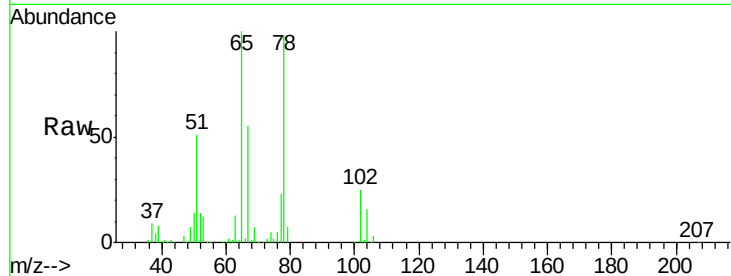
#33
 1,2-Dichloroethane-d4
 Concen: 47.572 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	203327		
67	53.4	0.0	104.8	

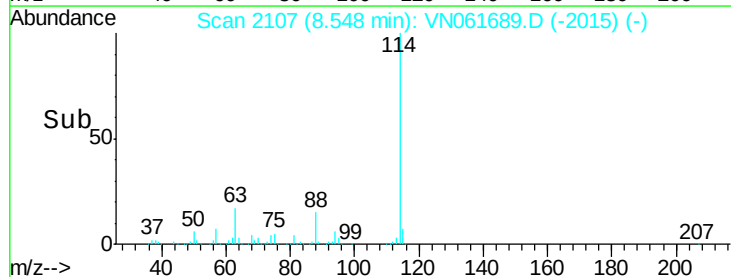
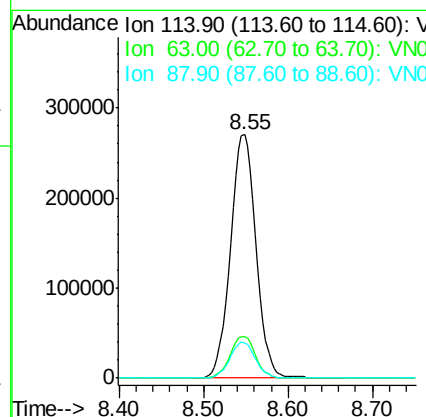
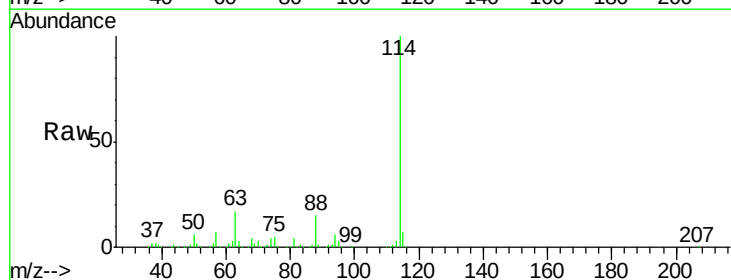
Manual Integrations
 APPROVED

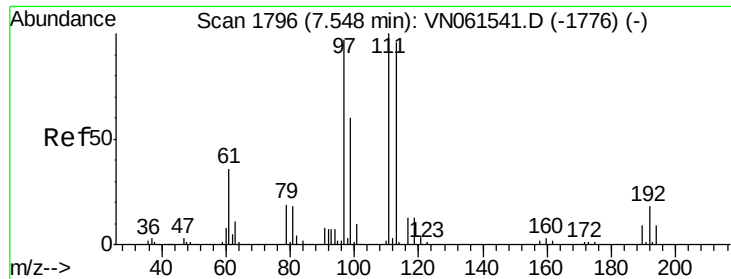
MMDadoda
 6/9/2020 1:46:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	568501		
63	17.0	0.0	35.8	
88	14.6	0.0	31.0	





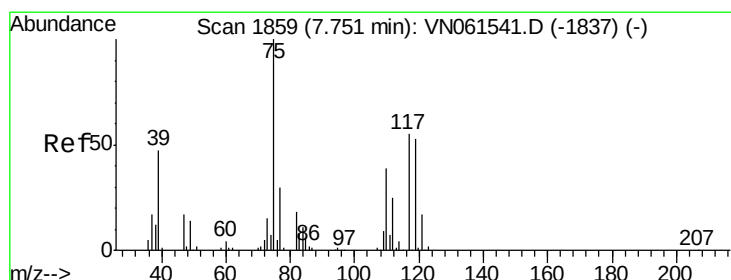
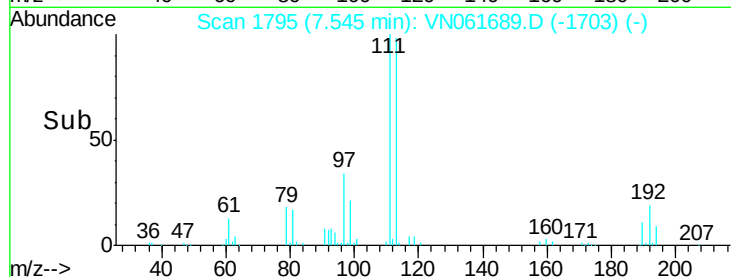
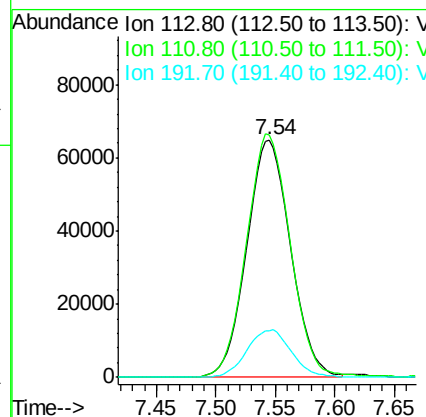
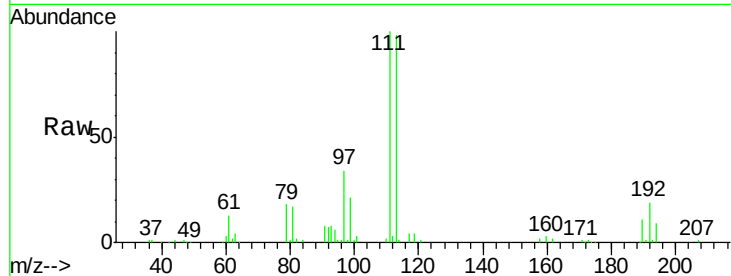
#35
 Dibromofluoromethane
 Concen: 57.305 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165263		
111	103.1	83.4	125.0	
192	20.2	15.4	23.2	

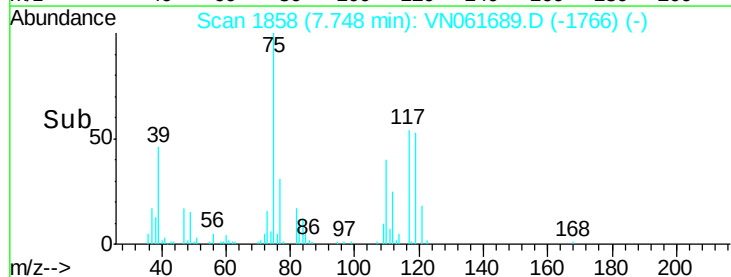
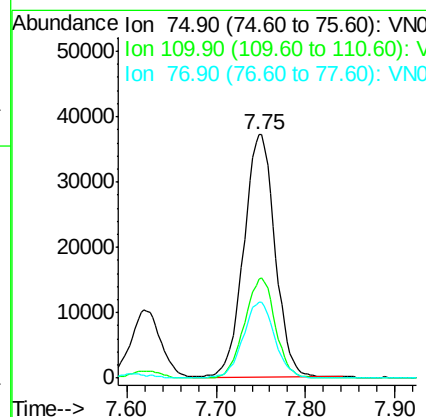
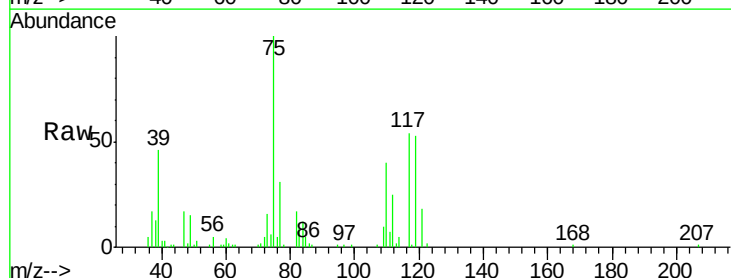
Manual Integrations
 APPROVED

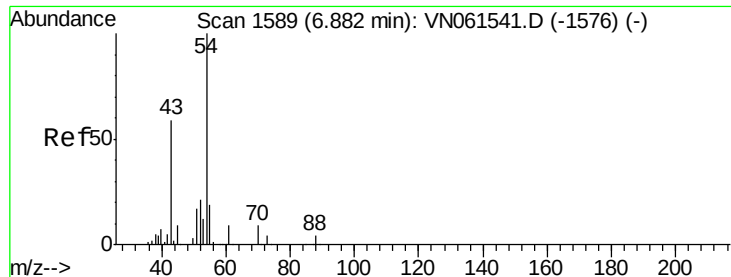
MMDadoda
 6/9/2020 1:46:15 PM



#36
 1,1-Dichloropropene
 Concen: 17.992 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90550		
110	40.4	19.5	58.5	
77	31.6	24.7	37.1	





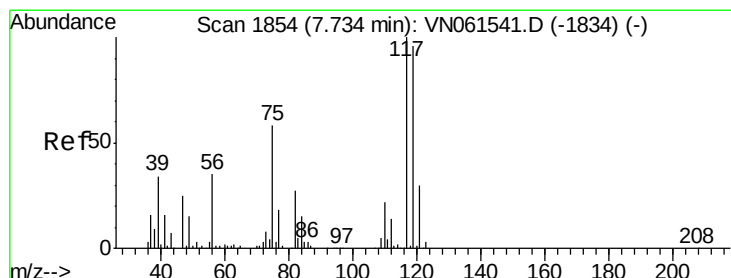
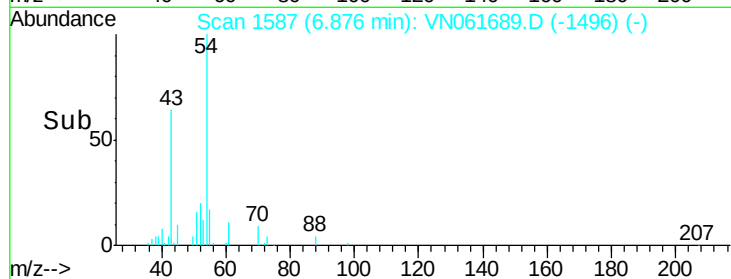
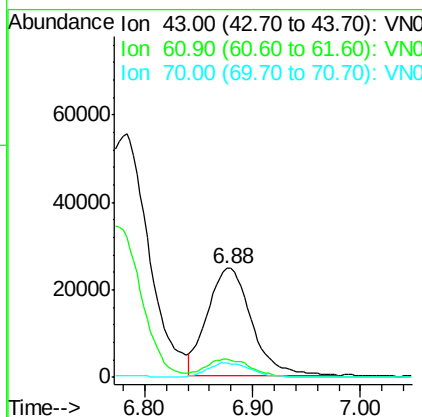
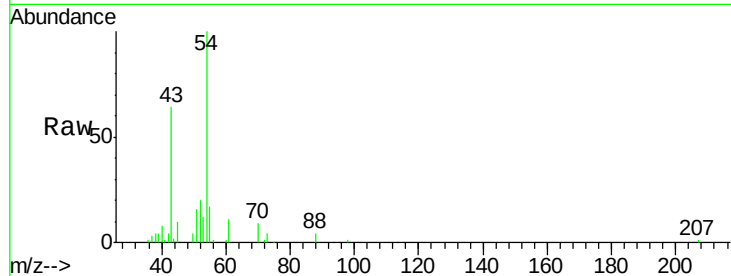
#37
Ethyl Acetate
Concen: 17.324 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	43	Resp	70224
Ion Ratio	100	Lower	Upper
43	100		
61	17.7	12.2	18.4
70	13.1	9.4	14.2

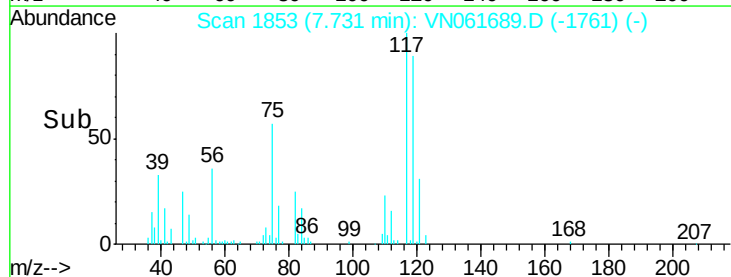
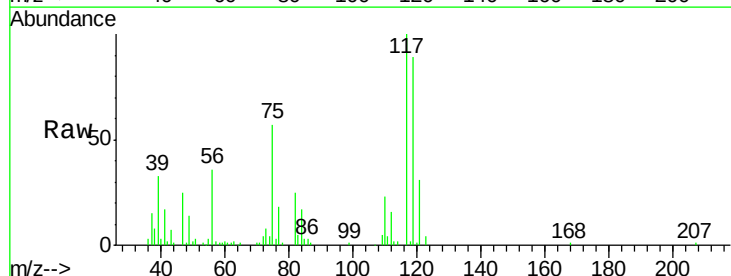
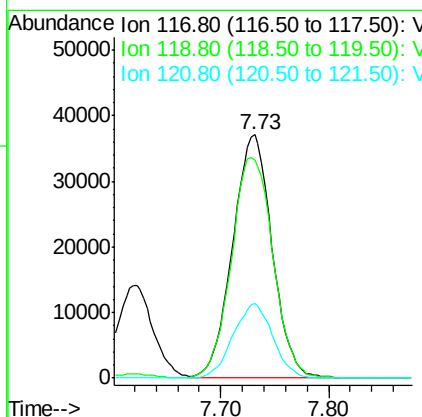
Manual Integrations
APPROVED

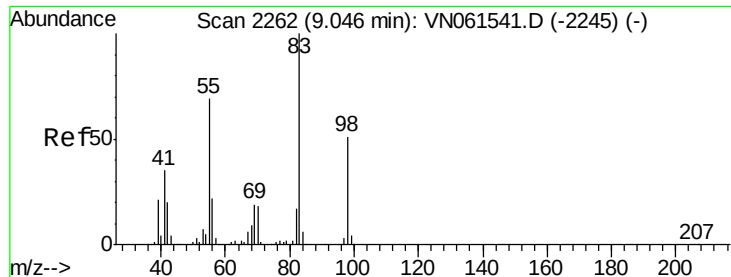
MMDadoda
6/9/2020 1:46:15 PM



#38
Carbon Tetrachloride
Concen: 19.446 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	117	Resp	94401
Ion Ratio	100	Lower	Upper
117	100		
119	89.4	76.5	114.7
121	30.9	24.1	36.1





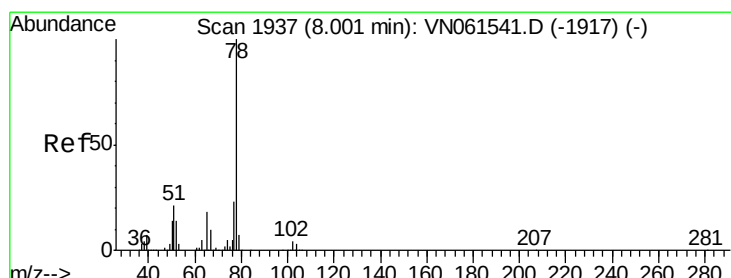
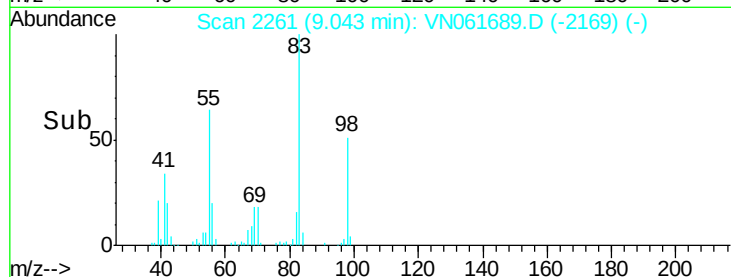
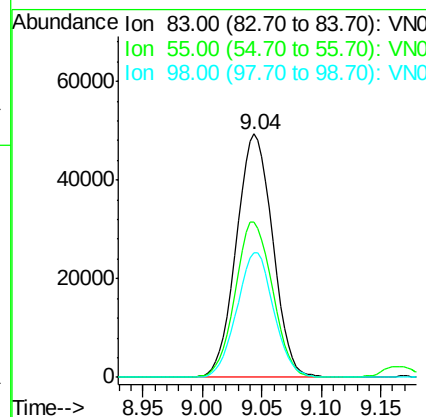
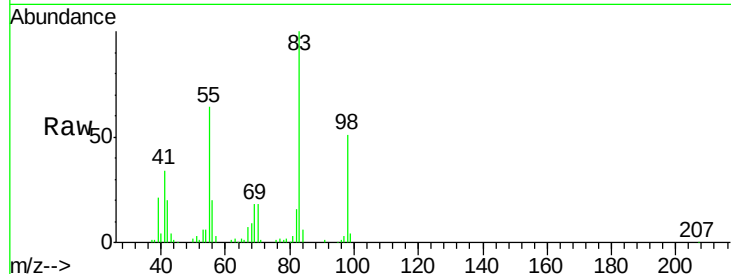
#39
Methylvlcyclohexane
Concen: 16.873 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	63.8	54.9	82.3	
98	51.4	41.0	61.4	

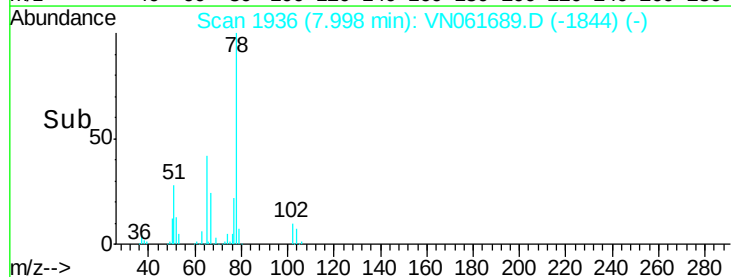
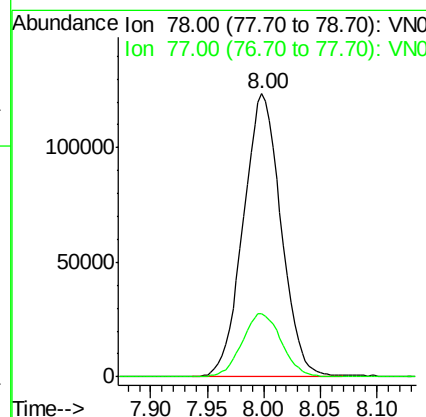
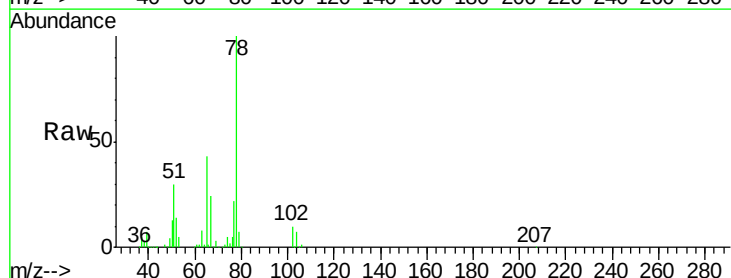
Manual Integrations
APPROVED

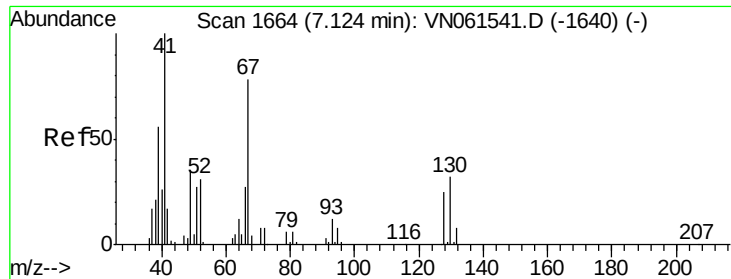
MMDadoda
6/9/2020 1:46:15 PM



#40
Benzene
Concen: 18.525 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.3	18.6	28.0	





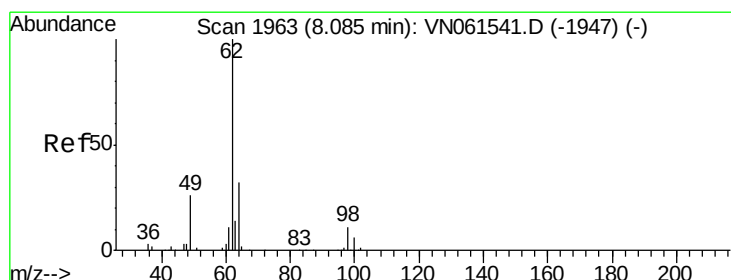
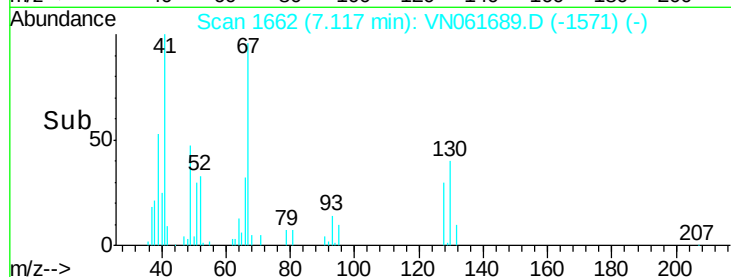
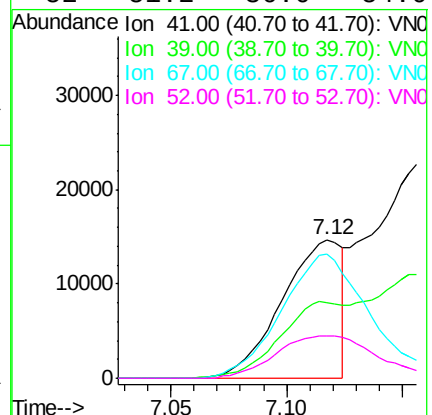
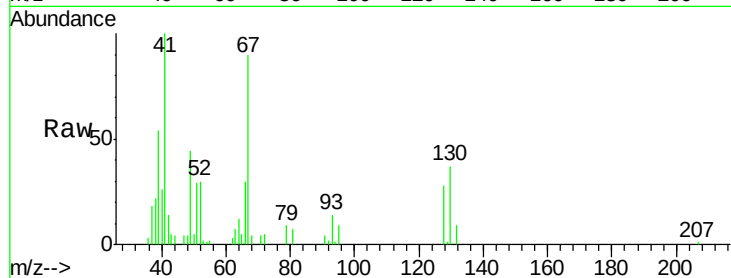
#41
Methacrylonitrile
Concen: 14.216 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	53.8	80.6	
67	131.5	91.1	136.7	
52	51.2	36.0	54.0	

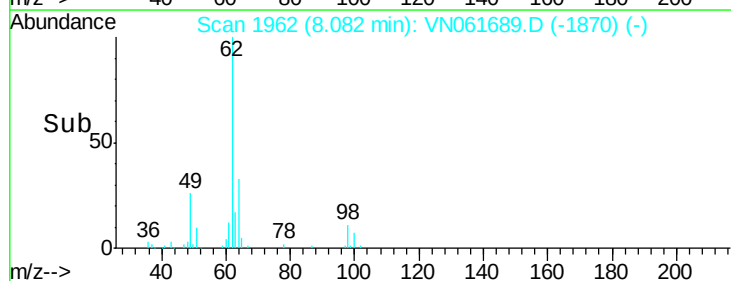
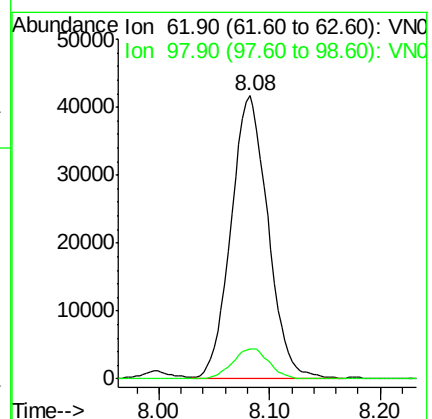
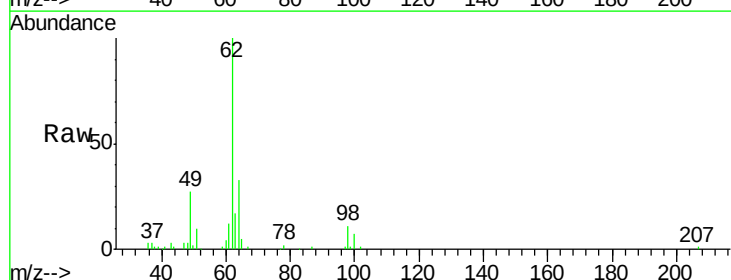
Manual Integrations
APPROVED

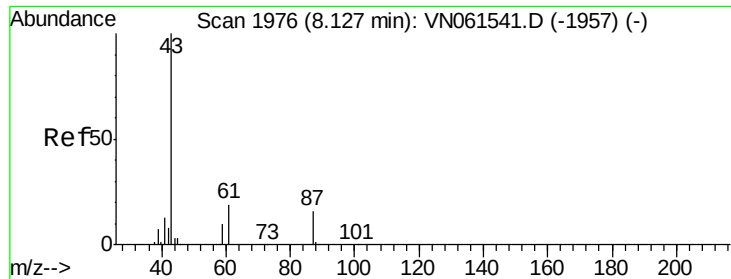
MMDadoda
6/9/2020 1:46:15 PM



#42
1,2-Dichloroethane
Concen: 18.678 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	21.4	





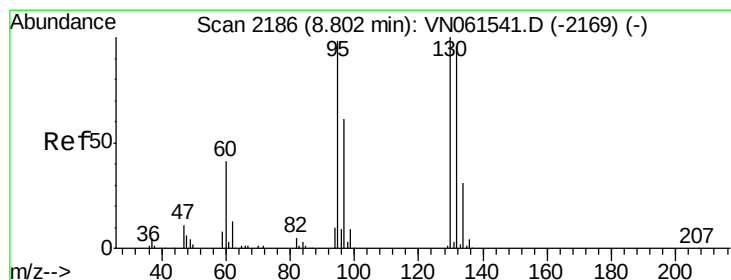
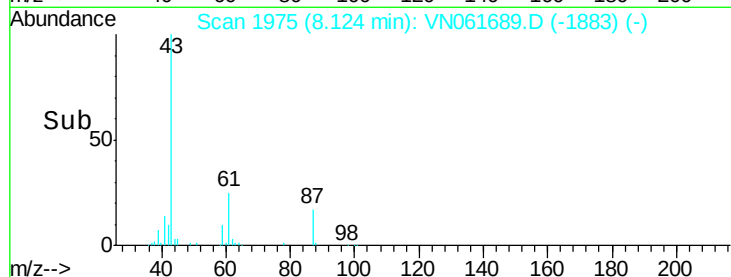
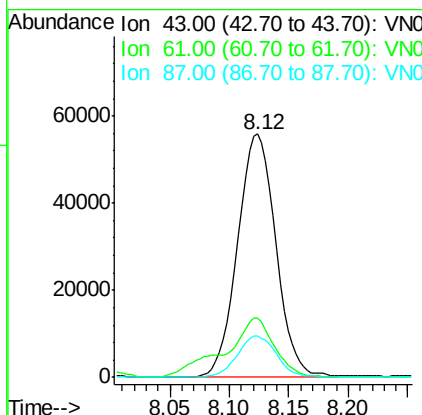
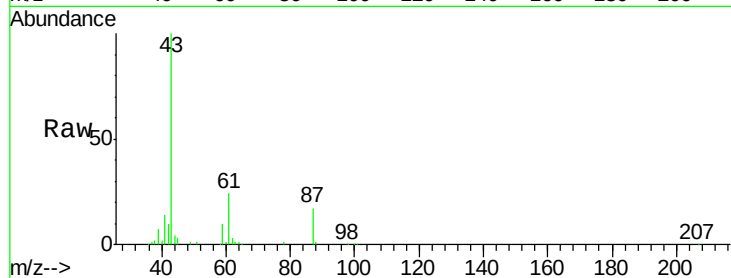
#43
Isopropyl Acetate
Concen: 17.116 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.8	23.6	35.4
87	17.3	13.0	19.6

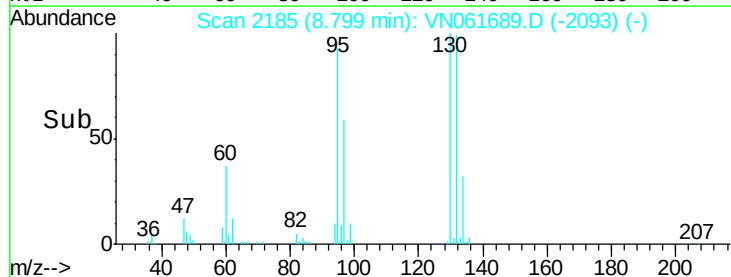
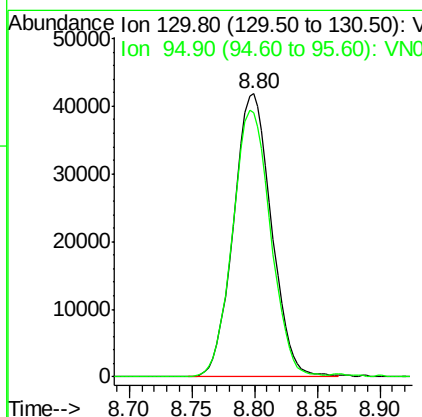
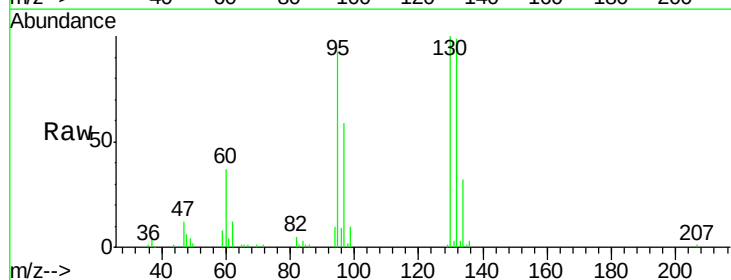
Manual Integrations
APPROVED

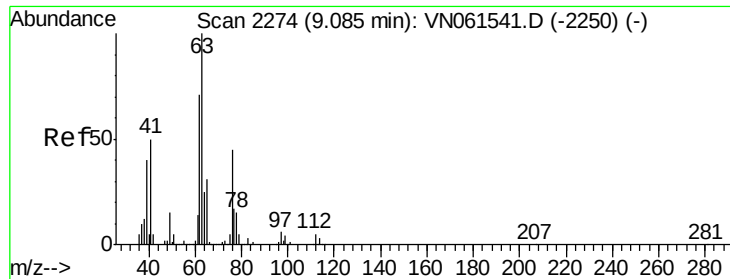
MMDadoda
6/9/2020 1:46:15 PM



#44
Trichloroethene
Concen: 18.457 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	196.6





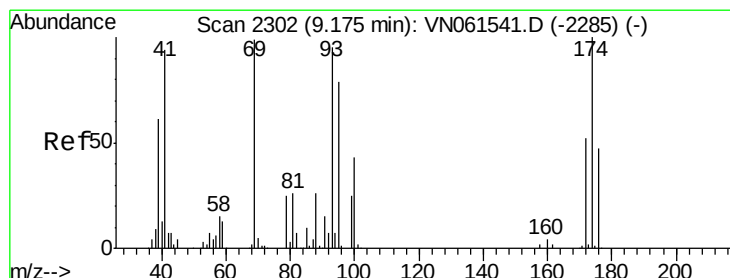
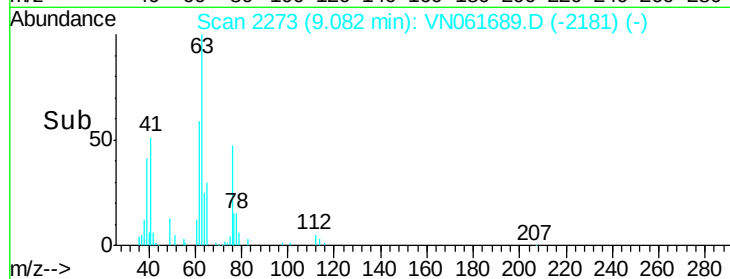
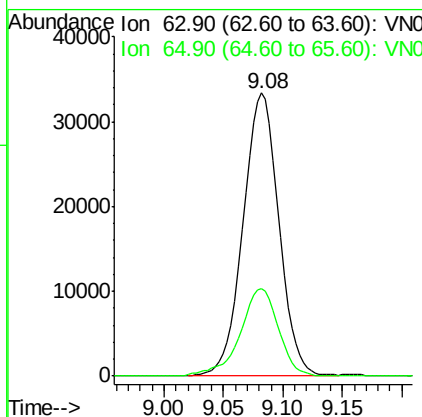
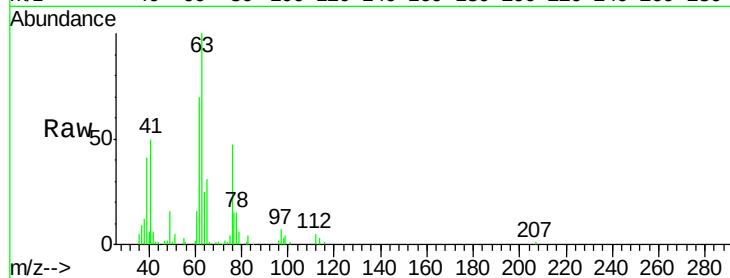
#45
 1,2-Dichloropropane
 Concen: 18.910 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion: 63 Resp: 69725
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1

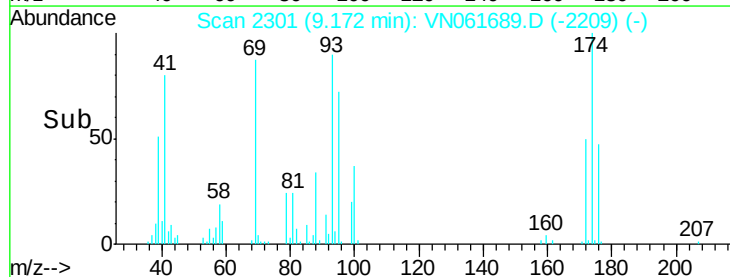
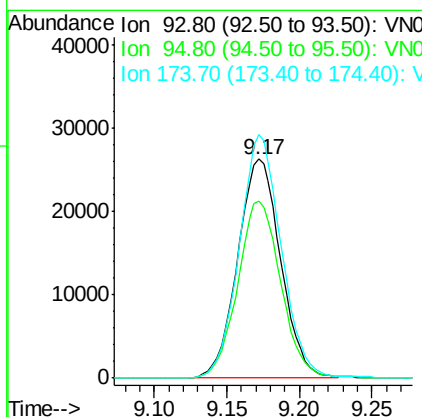
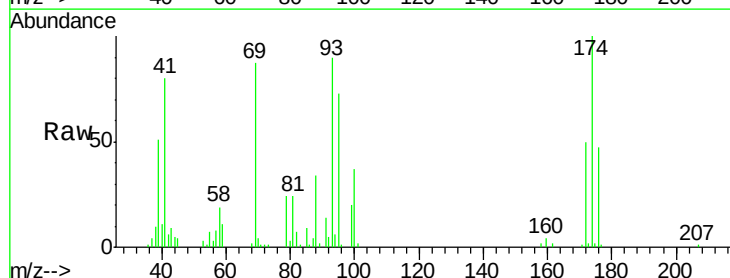
Manual Integrations
 APPROVED

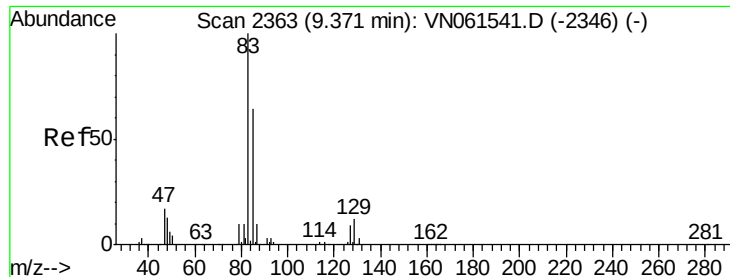
MMDadoda
 6/9/2020 1:46:15 PM



#46
 Dibromomethane
 Concen: 19.132 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion: 93 Resp: 54105
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.0 99.0
 174 108.1 82.5 123.7





#47

Bromodichloromethane

Concen: 19.016 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

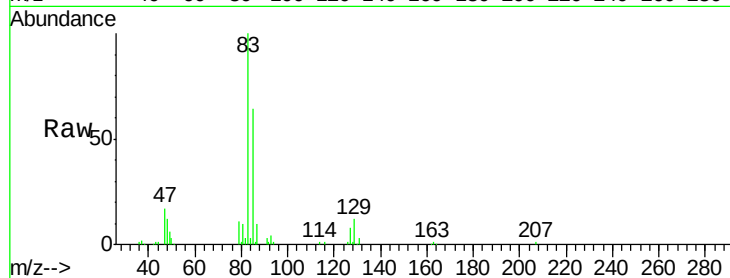
ClientSampled :

VN0608WBSD01

Tot Ion:	83	Resp:	106542
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.1	76.7
127	8.2	7.2	10.8

Manual Integrations
APPROVED

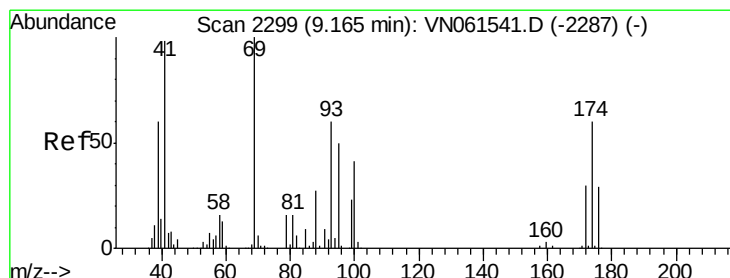
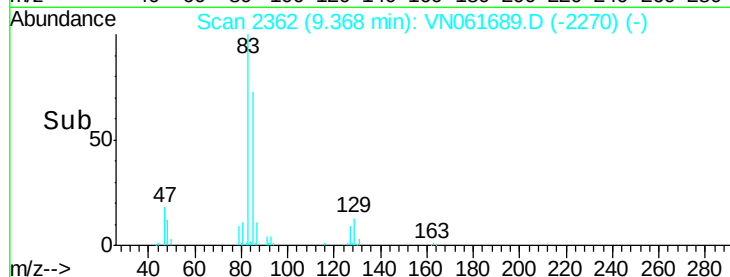
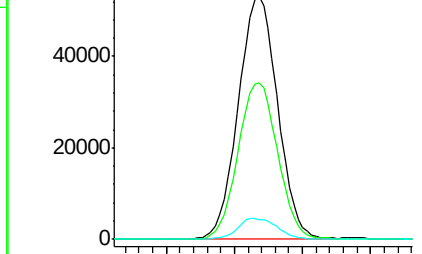
MMDadoda
6/9/2020 1:46:15 PM



Abundance Ion 82.90 (82.60 to 83.60): VN061689.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061689.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061689.D (-2270) (-)



#48

Methyl methacrylate

Concen: 16.162 ug/l

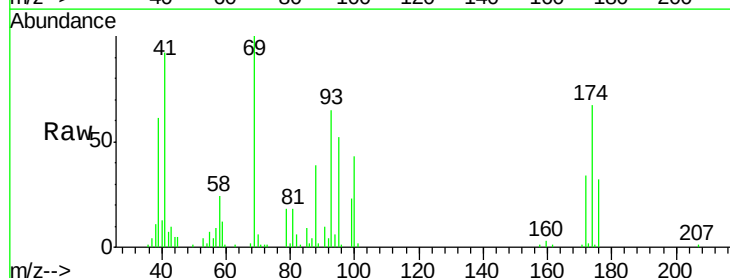
RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

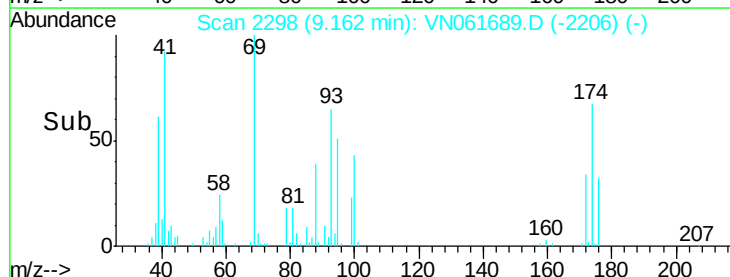
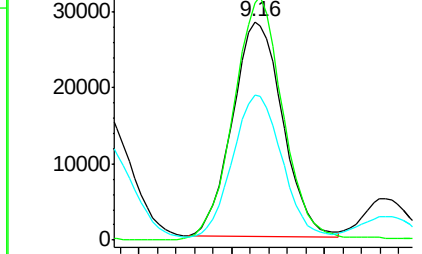
Tgt Ion:	41	Resp:	53028
Ion Ratio	Lower	Upper	
41	100		
69	112.2	83.9	125.9
39	67.1	52.1	78.1

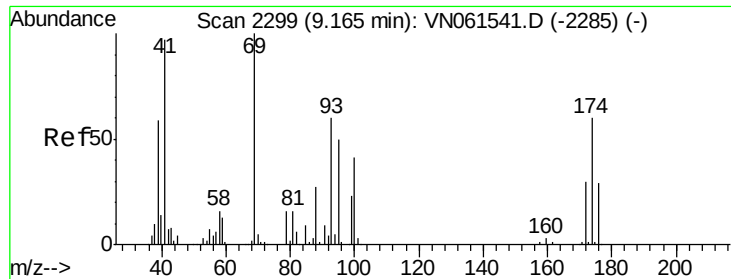


Abundance Ion 41.00 (40.70 to 41.70): VN061689.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061689.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061689.D (-2206) (-)





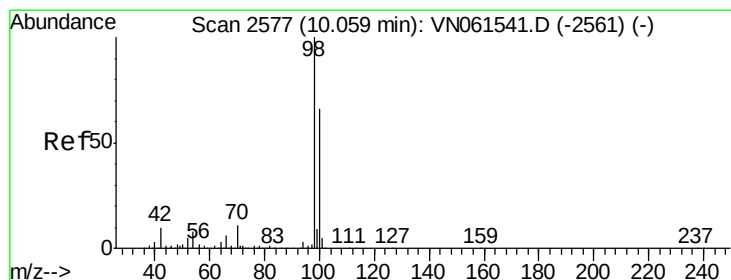
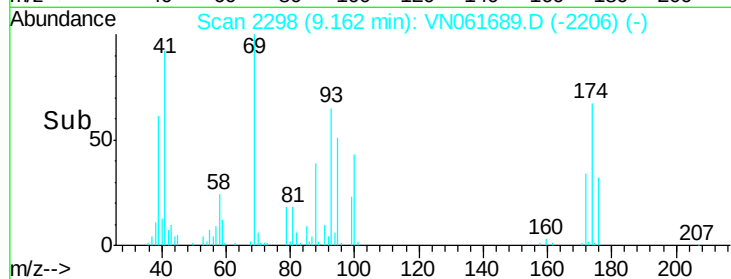
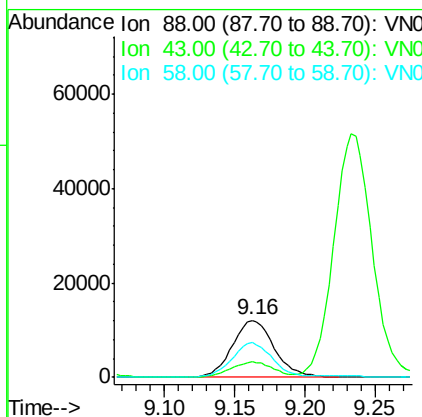
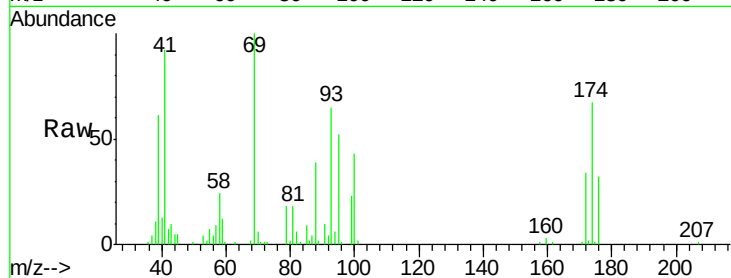
#49
1,4-Dioxane
Concen: 493.803 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD01

Tot Ion	88	Resp	25100
Ion Ratio	100	Lower	Upper
88	100		
43	27.8	23.1	34.7
58	58.5	48.3	72.5

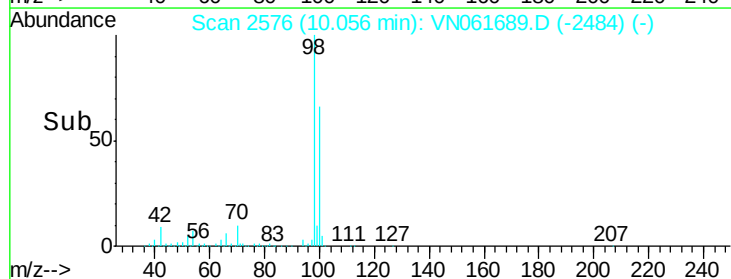
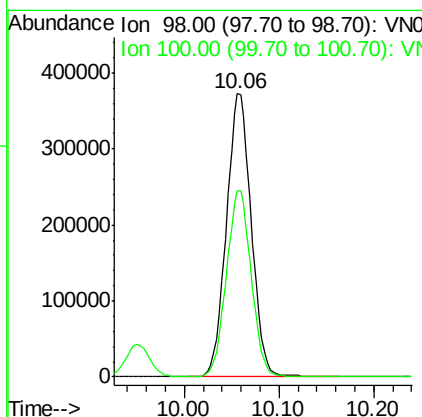
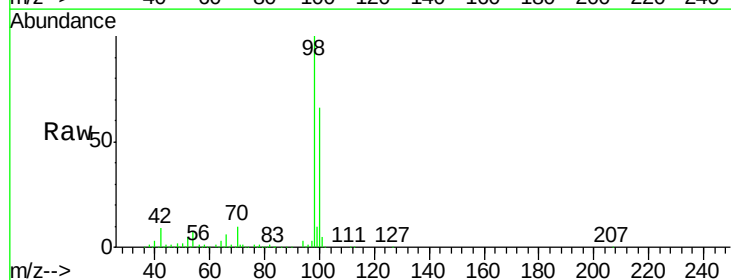
Manual Integrations
APPROVED

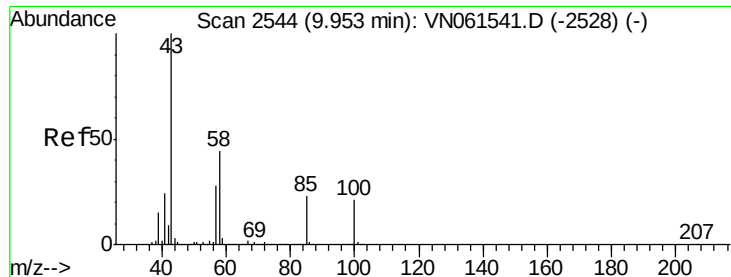
MMDadoda
6/9/2020 1:46:15 PM



#50
Toluene-d8
Concen: 50.858 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	98	Resp	679691
Ion Ratio	100	Lower	Upper
98	100		
100	65.8	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 86.019 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 43 Resp: 353508

Ion Ratio Lower Upper

43 100

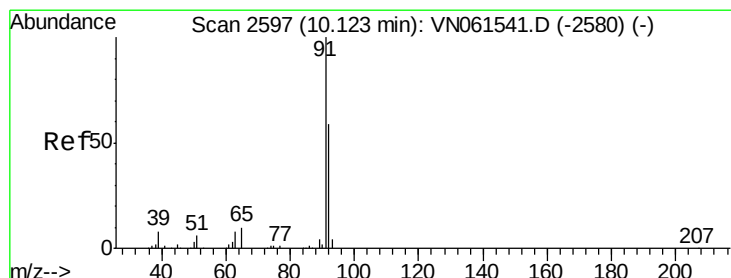
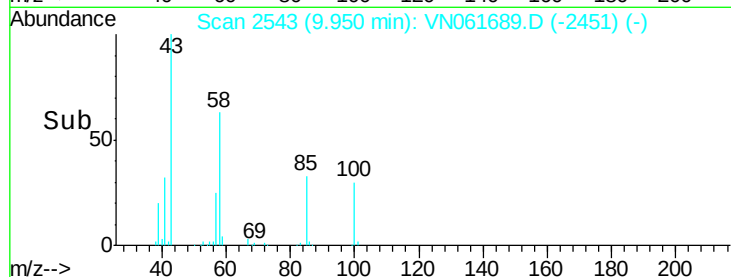
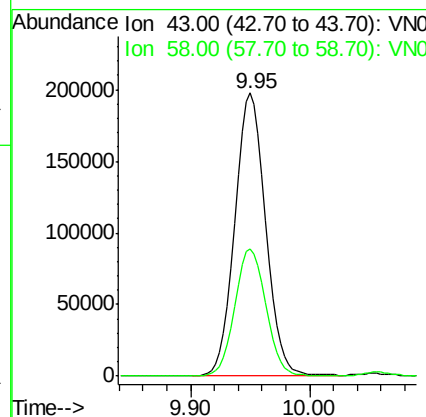
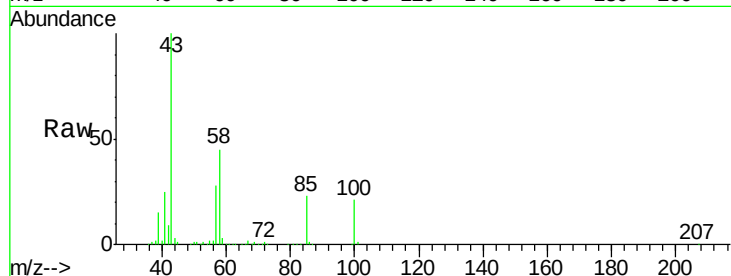
58 45.7 35.0 52.6

Manual Integrations

APPROVED

MMDadoda

6/9/2020 1:46:15 PM



#52

Toluene

Concen: 18.876 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061689.D

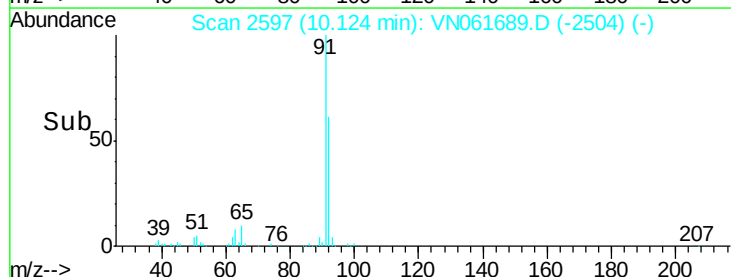
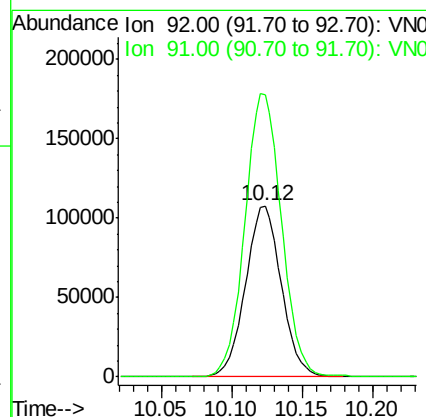
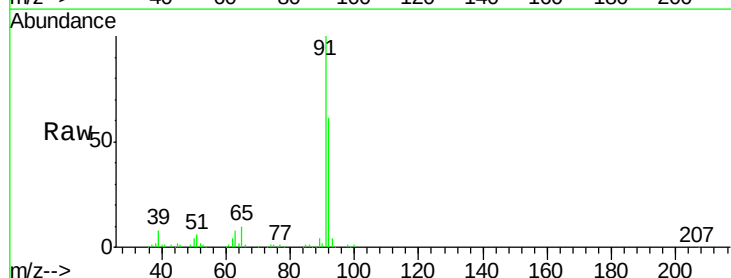
Acq: 8 Jun 2020 12:37

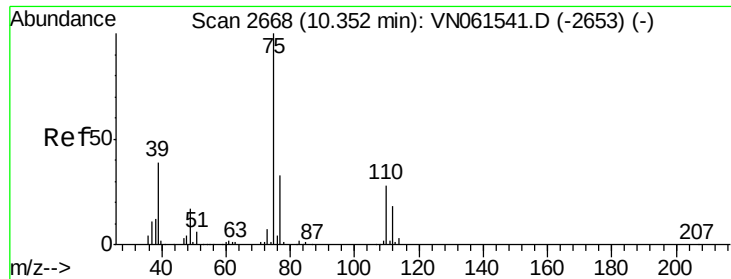
Tgt Ion: 92 Resp: 191310

Ion Ratio Lower Upper

92 100

91 169.7 136.4 204.6





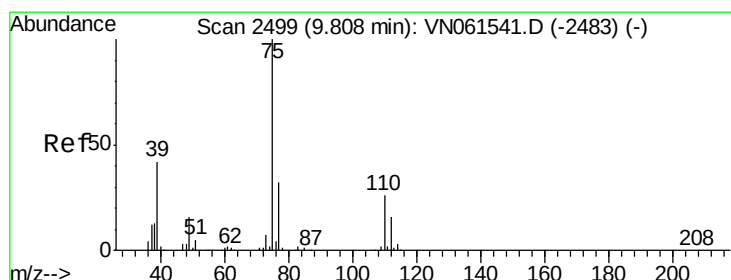
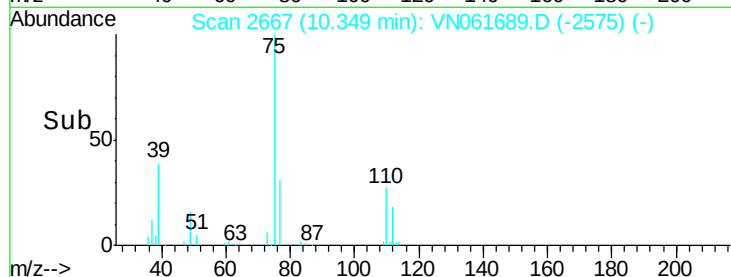
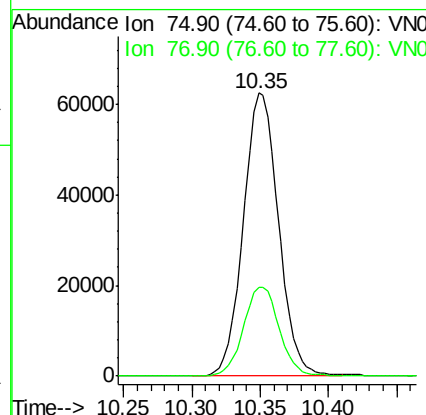
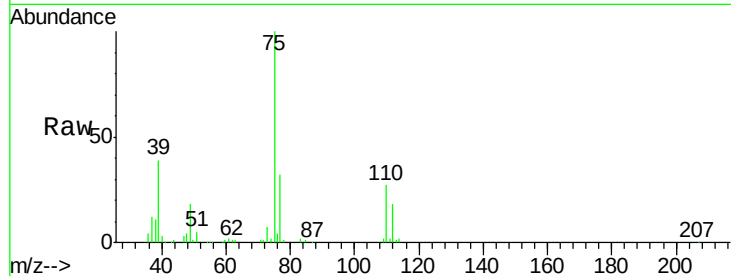
#53
t-1,3-Dichloropropene
Concen: 18.525 ug/l
RT: 10.35 min Scan# 2667
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.2	39.4

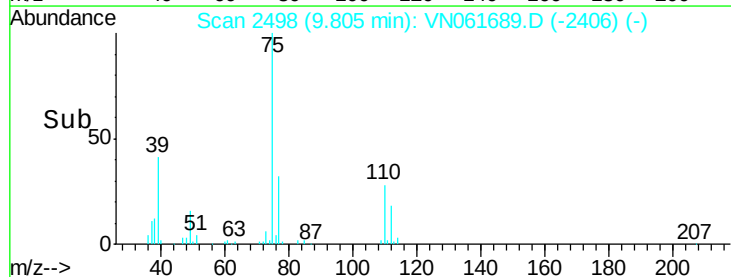
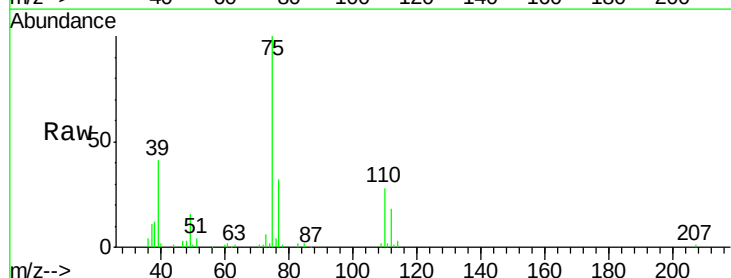
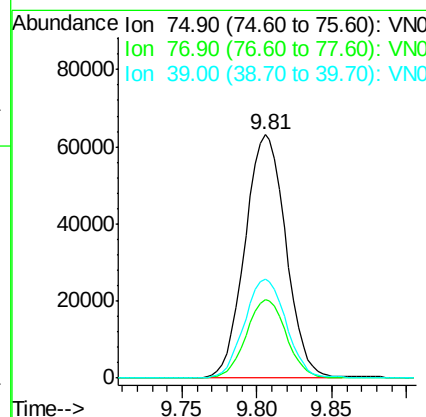
Manual Integrations
APPROVED

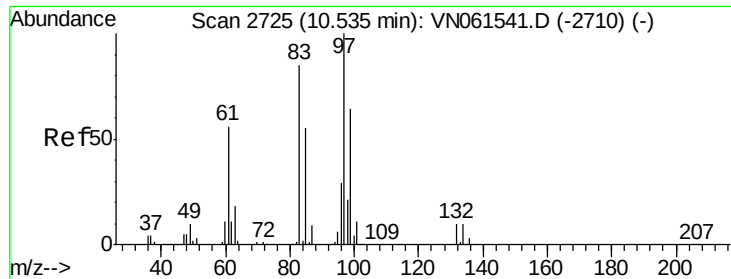
MMDadoda
6/9/2020 1:46:15 PM



#54
cis-1,3-Dichloropropene
Concen: 18.528 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2
39	40.7	33.8	50.6





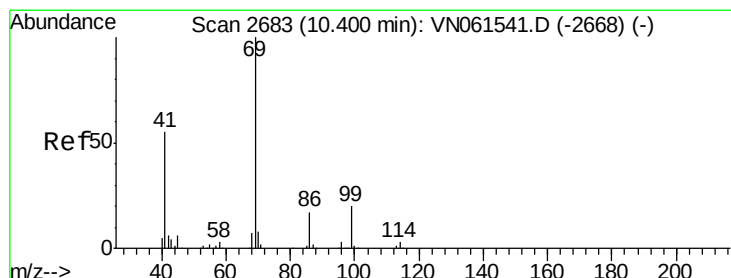
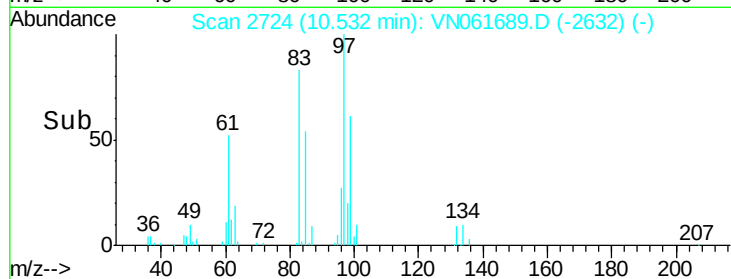
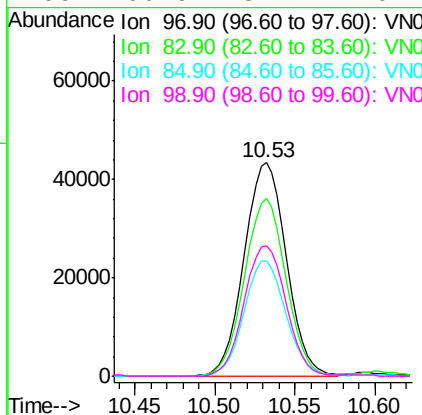
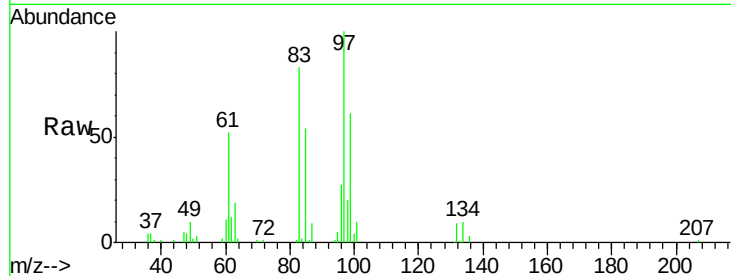
#55
 1,1,2-Trichloroethane
 Concen: 19.437 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	97	Resp	78485
Ion	Ratio	Lower	Upper
97	100		
83	83.2	68.1	102.1
85	53.7	44.1	66.1
99	60.9	51.1	76.7

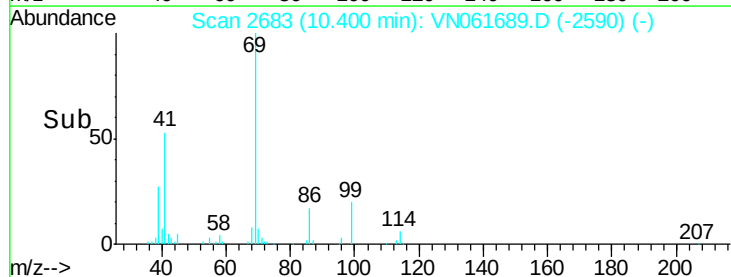
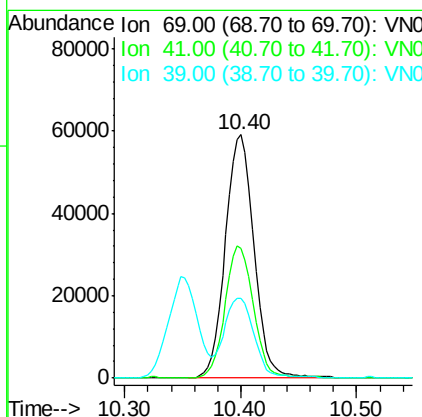
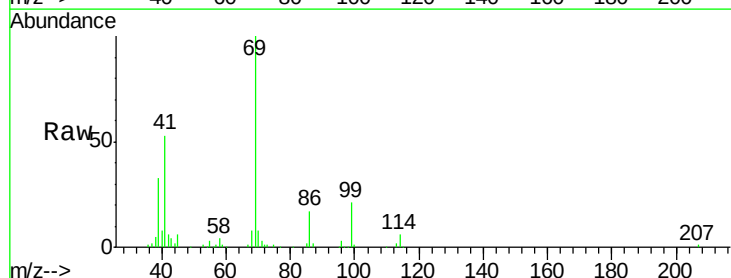
Manual Integrations
 APPROVED

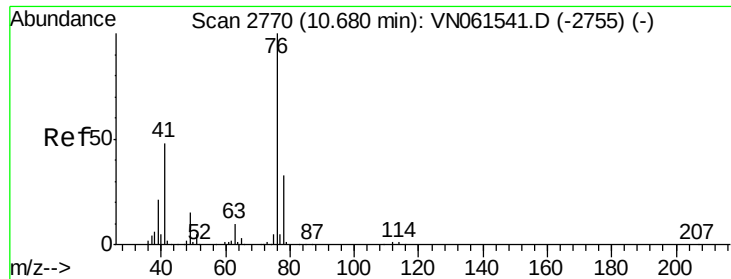
MMDadoda
 6/9/2020 1:46:15 PM



#56
 Ethyl methacrylate
 Concen: 18.014 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion	69	Resp	101610
Ion	Ratio	Lower	Upper
69	100		
41	52.7	43.5	65.3
39	33.6	27.0	40.6





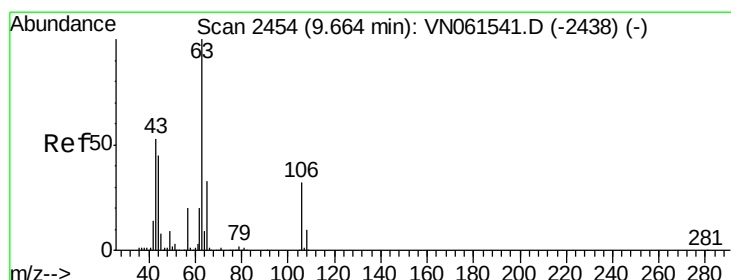
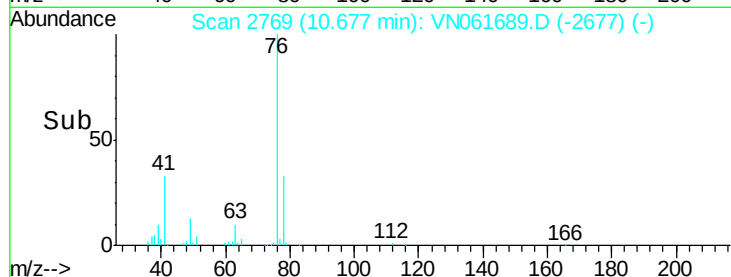
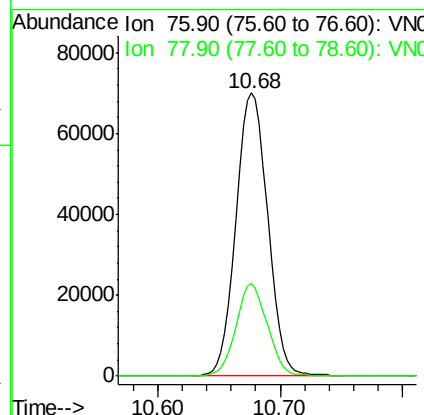
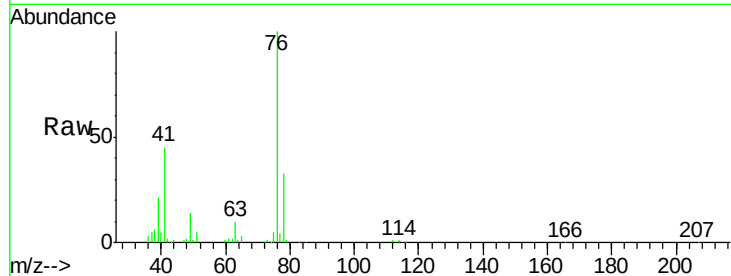
#57
 1,3-Dichloropropane
 Concen: 19.711 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

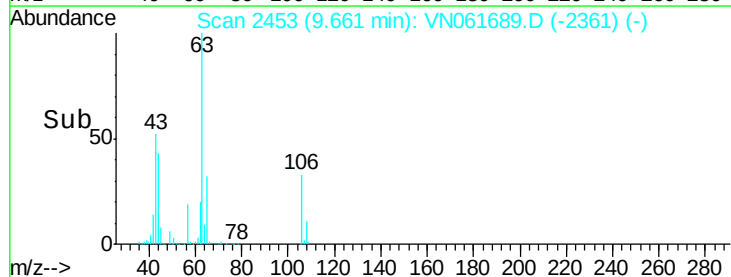
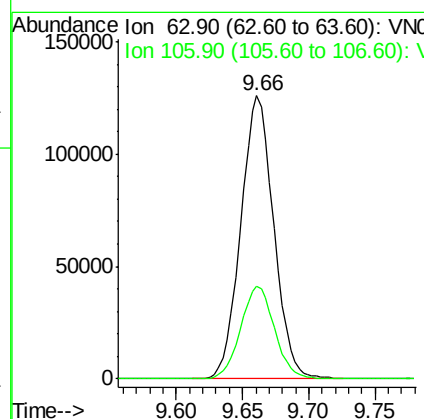
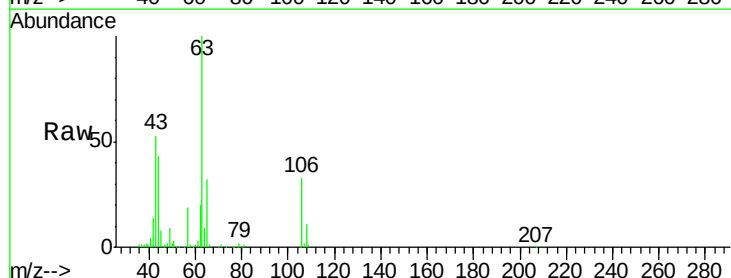
Manual Integrations
 APPROVED

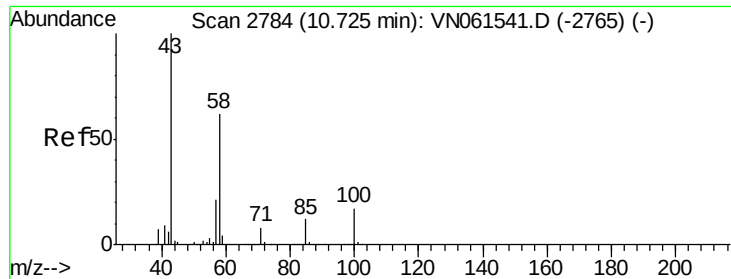
MMDadoda
 6/9/2020 1:46:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.212 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.7	25.9	38.9





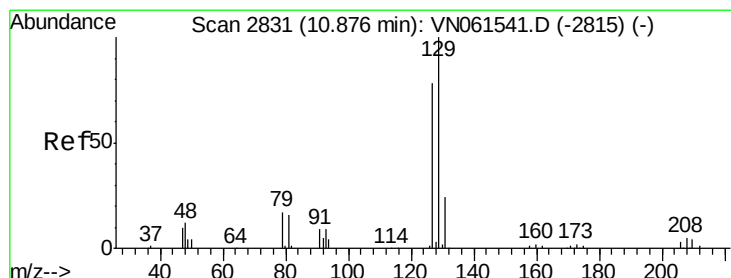
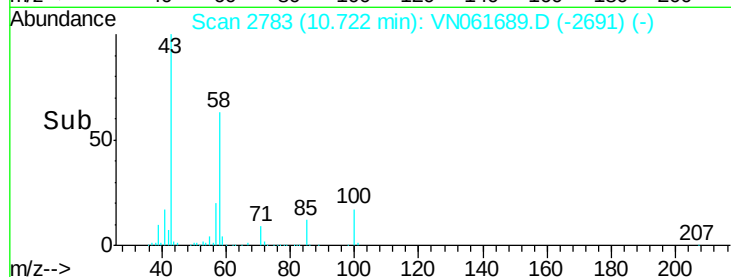
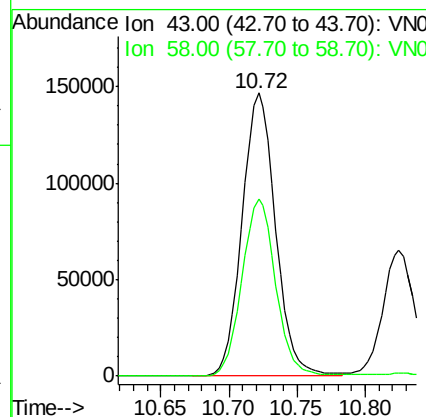
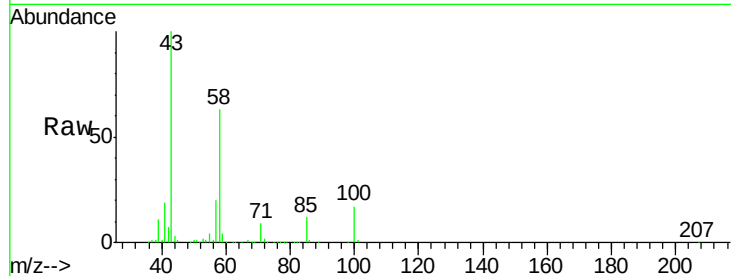
#59
2-Hexanone
Concen: 84.920 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion: 43 Resp: 250636
Ion Ratio Lower Upper
43 100
58 63.1 30.7 92.1

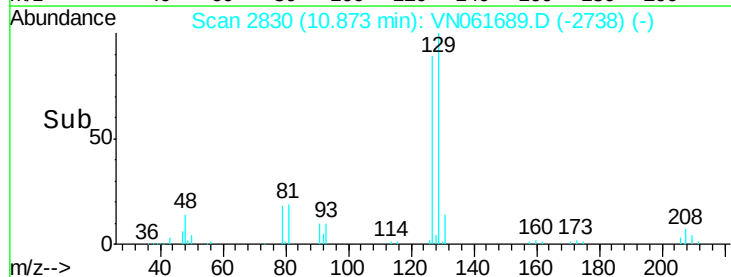
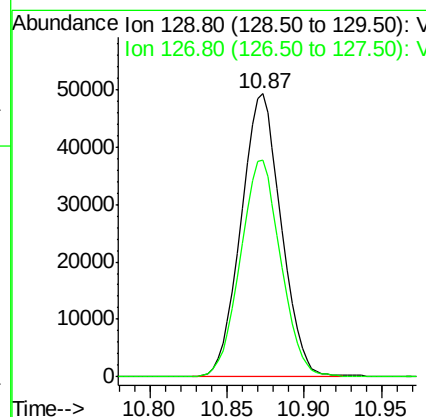
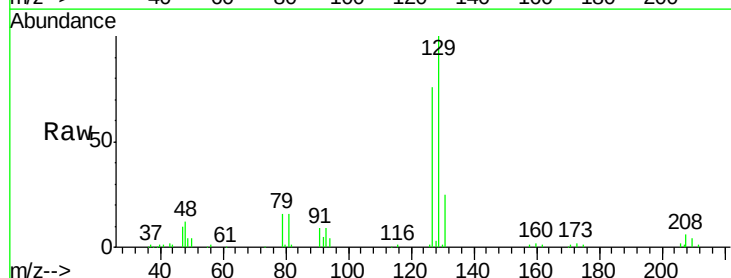
Manual Integrations
APPROVED

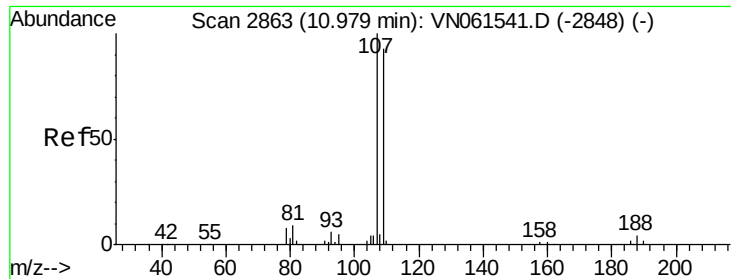
MMDadoda
6/9/2020 1:46:15 PM



#60
Dibromochloromethane
Concen: 19.384 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion: 129 Resp: 88982
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.3





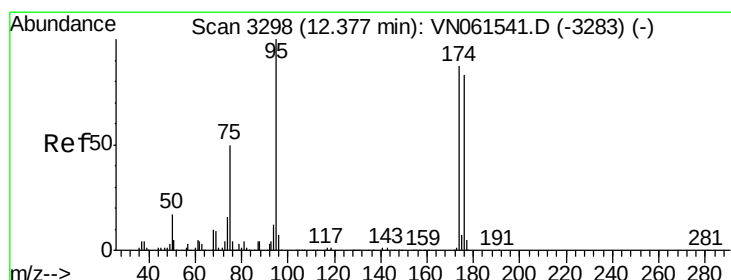
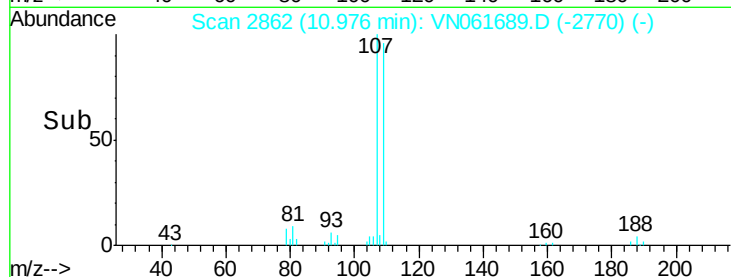
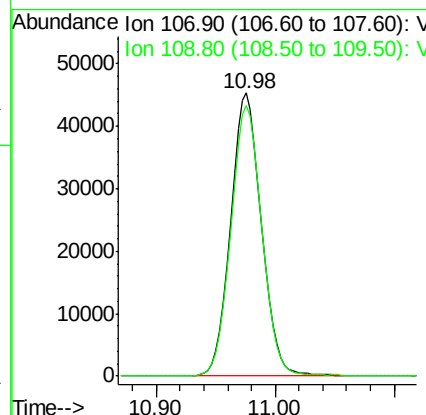
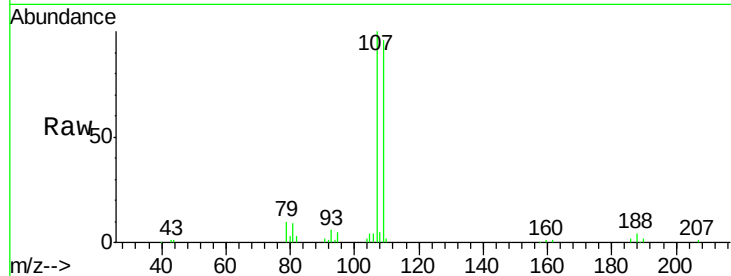
#61
 1,2-Dibromoethane
 Concen: 19.228 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion: 107 Resp: 80973
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.1 114.1

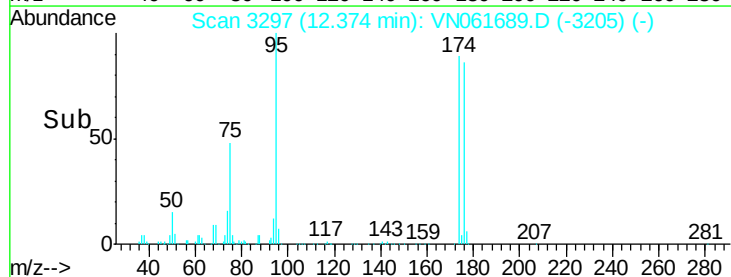
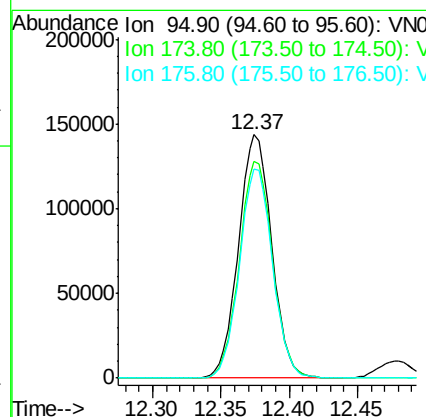
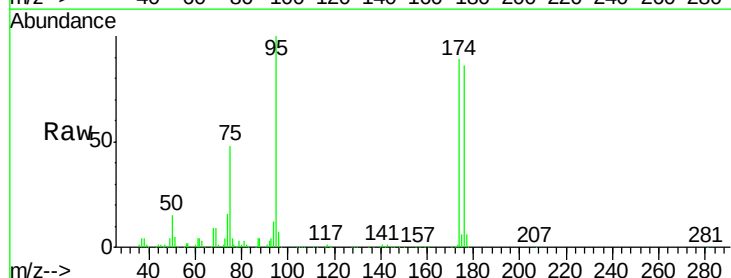
Manual Integrations
 APPROVED

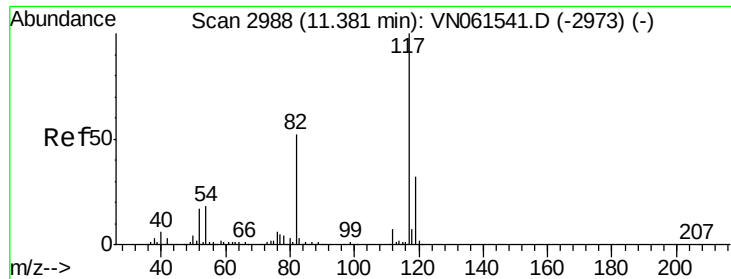
MMDadoda
 6/9/2020 1:46:15 PM



#62
 4-Bromofluorobenzene
 Concen: 49.782 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion: 95 Resp: 242728
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 172.8
 176 85.6 0.0 164.8





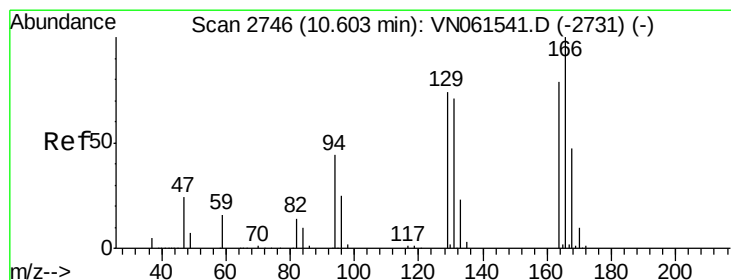
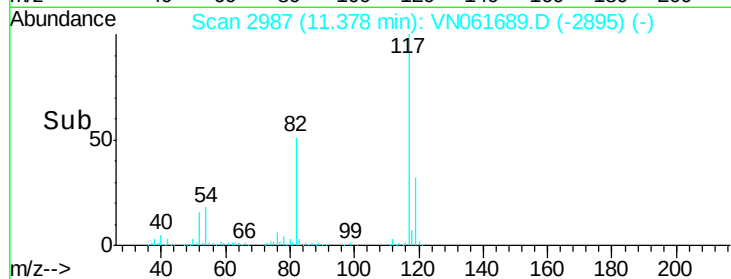
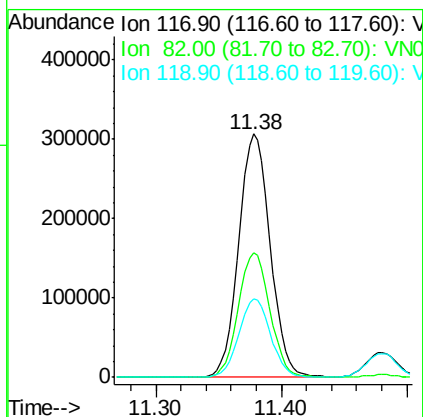
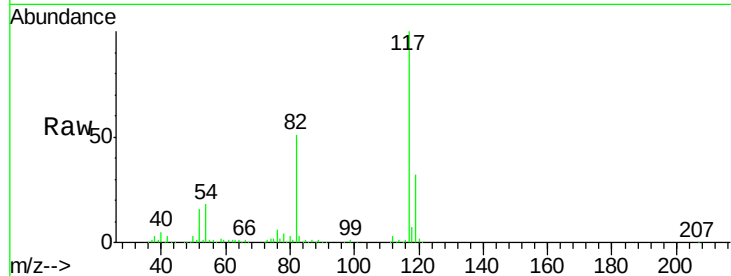
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.5	62.3
119	32.4	25.6	38.4

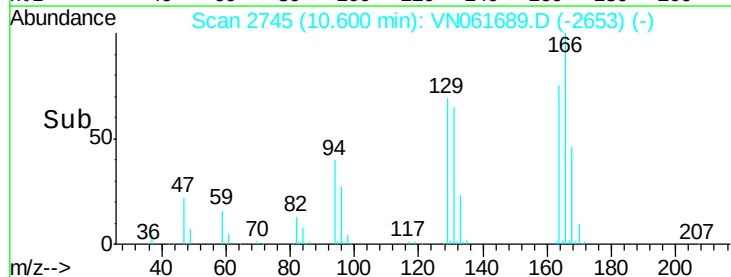
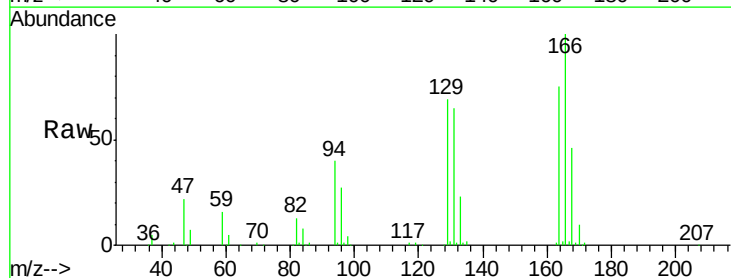
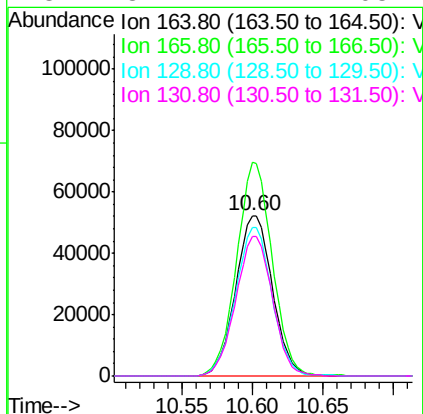
Manual Integrations
APPROVED

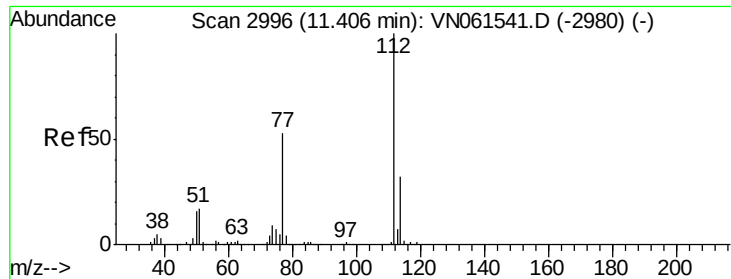
MMDadoda
6/9/2020 1:46:15 PM



#64
Tetrachloroethene
Concen: 18.884 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.4	101.5	152.3
129	92.4	74.9	112.3
131	87.1	72.2	108.2





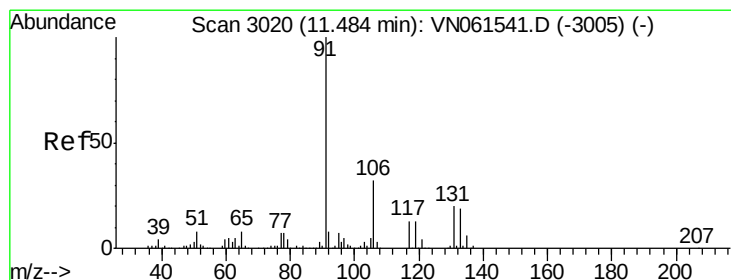
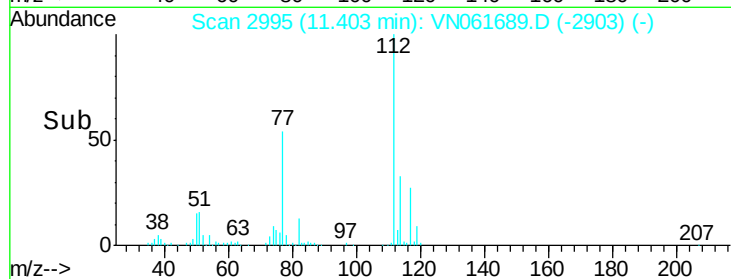
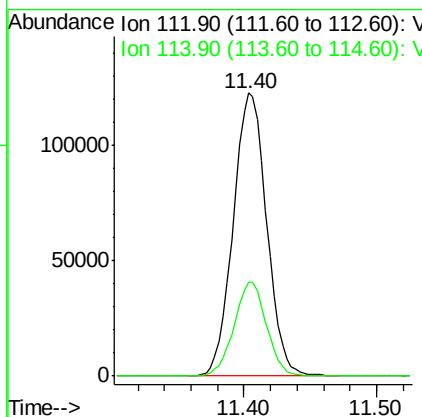
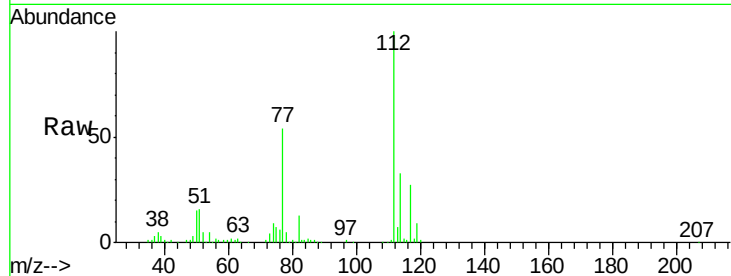
#65
Chlorobenzene
Concen: 19.288 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion:112 Resp: 214788
Ion Ratio Lower Upper
112 100
114 33.2 25.7 38.5

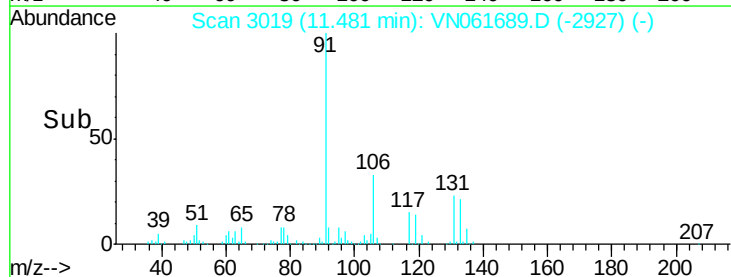
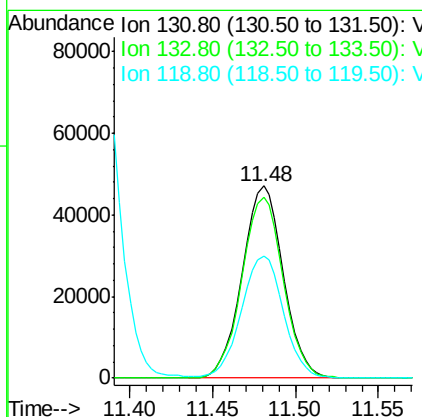
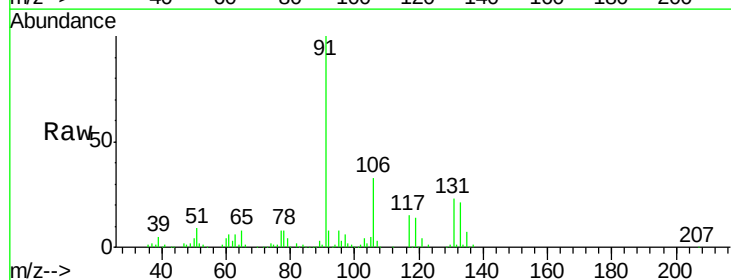
Manual Integrations
APPROVED

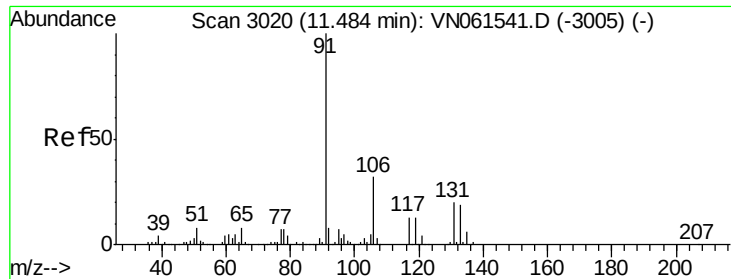
MMDadoda
6/9/2020 1:46:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.636 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion:131 Resp: 81421
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.2
119 65.2 32.6 97.8





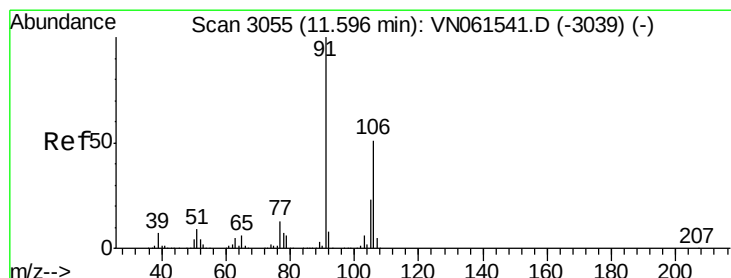
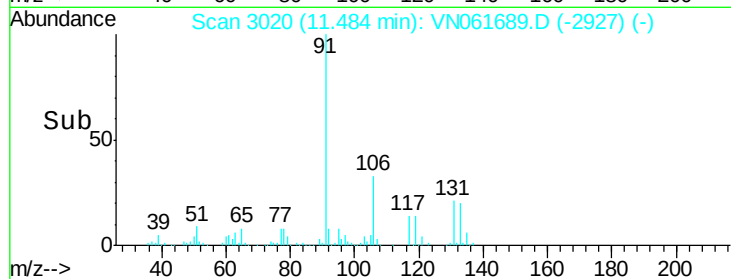
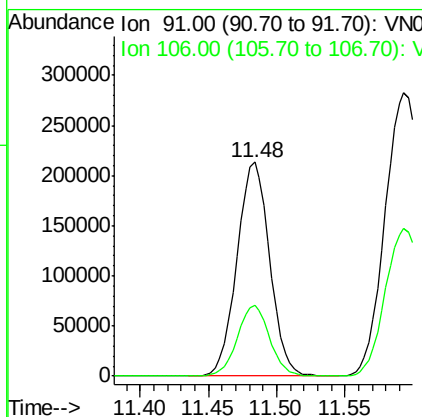
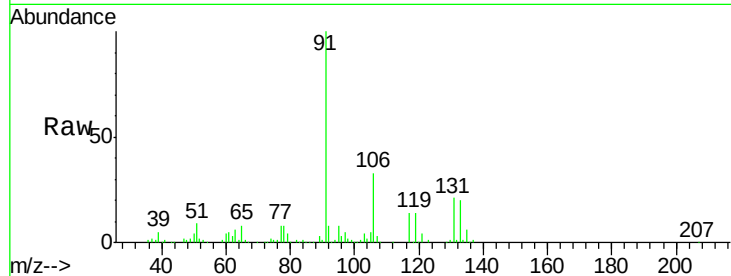
#67
Ethyl Benzene
Concen: 18.495 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion: 91 Resp: 355975
Ion Ratio Lower Upper
91 100
106 33.0 25.6 38.4

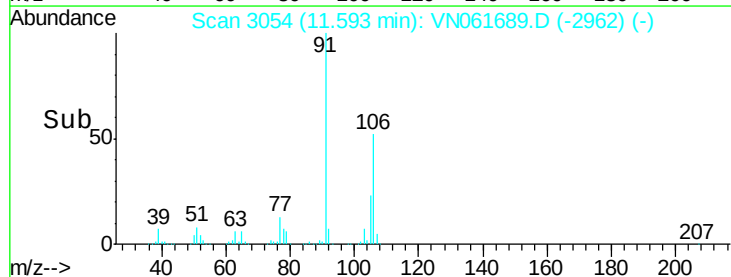
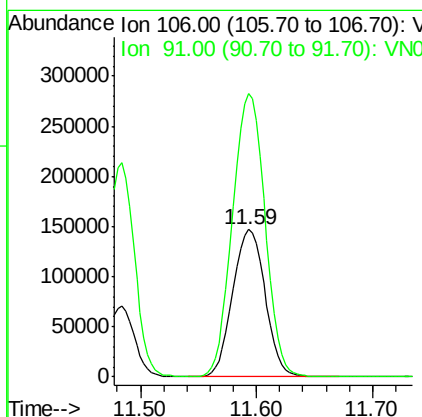
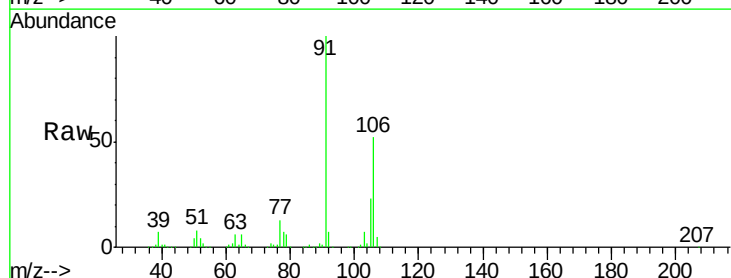
Manual Integrations
APPROVED

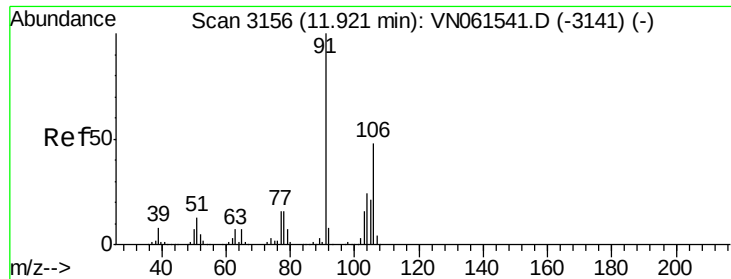
MMDadoda
6/9/2020 1:46:15 PM



#68
m/p-Xylenes
Concen: 37.467 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion: 106 Resp: 285938
Ion Ratio Lower Upper
106 100
91 191.8 156.2 234.4





#69

o-Xylene

Concen: 19.092 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion:106 Resp: 138389

Ion Ratio Lower Upper

106 100

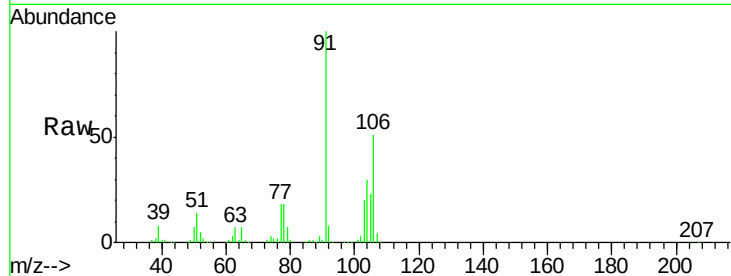
91 200.0 103.3 309.8

Manual Integrations

APPROVED

MMDadoda

6/9/2020 1:46:15 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

150000

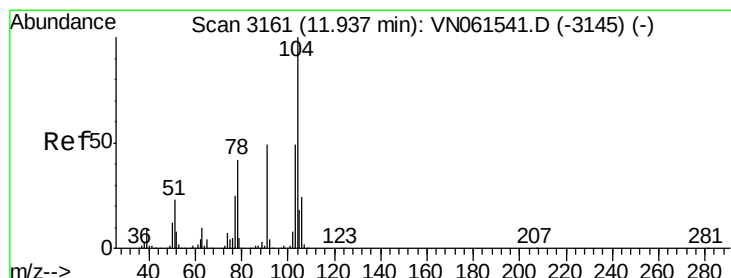
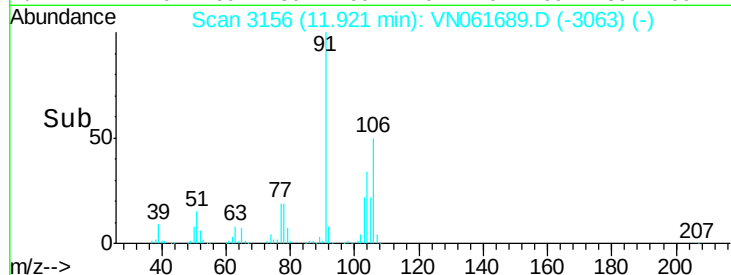
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 18.606 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

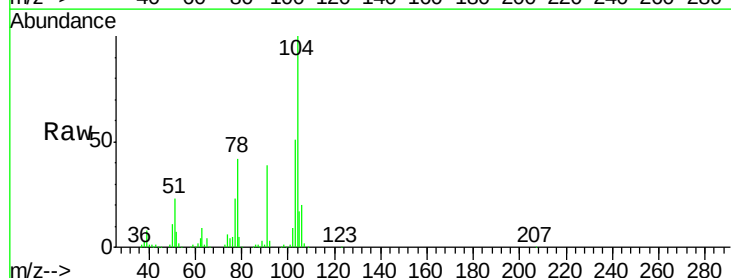
Tgt Ion:104 Resp: 223339

Ion Ratio Lower Upper

104 100

78 46.3 37.4 56.0

103 54.2 42.3 63.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

150000

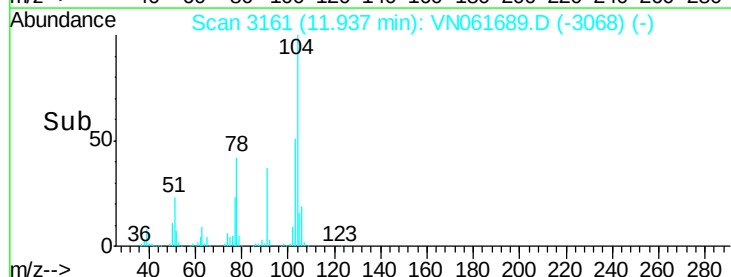
100000

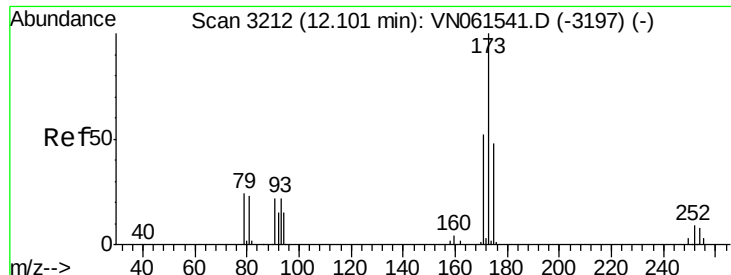
50000

0

11.90 11.94 12.00

Time-->





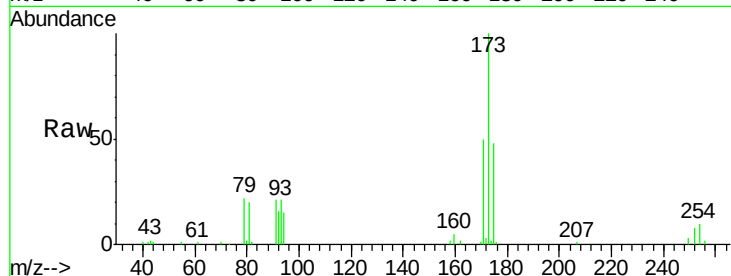
#71
Bromoform
Concen: 19.200 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

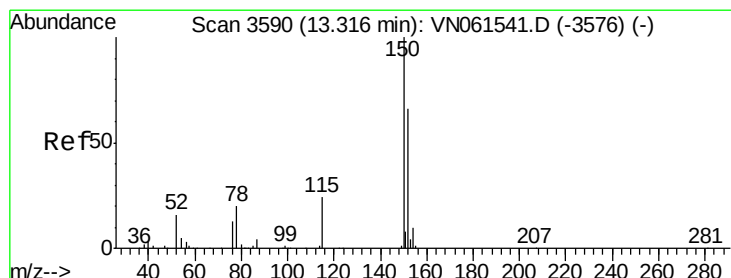
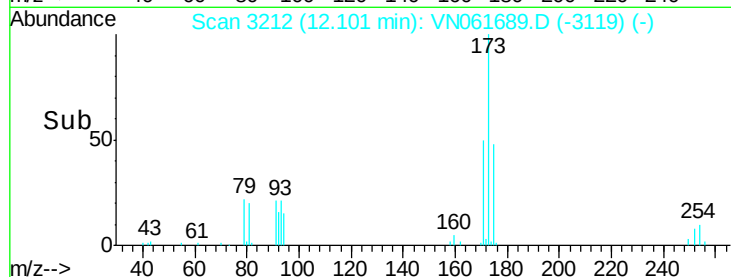
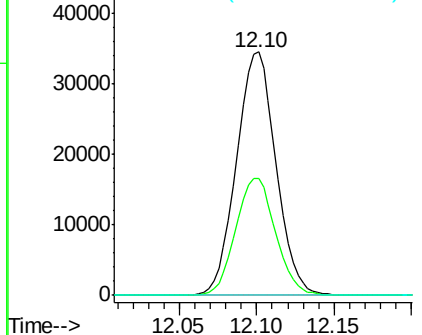
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:15 PM

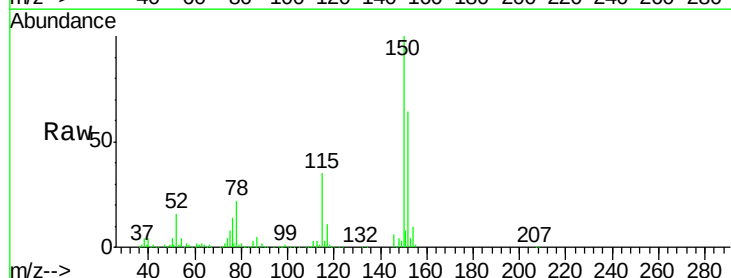


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

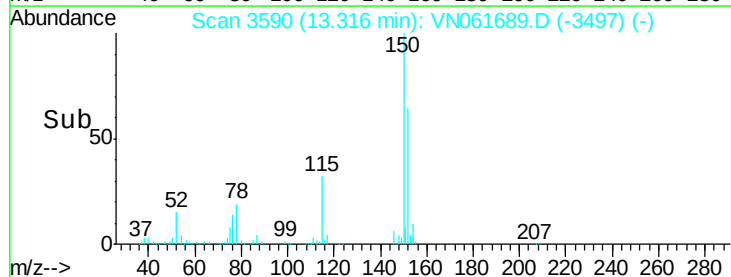
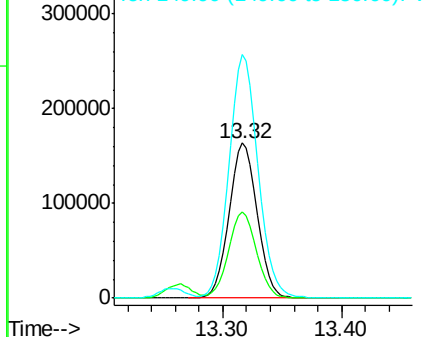


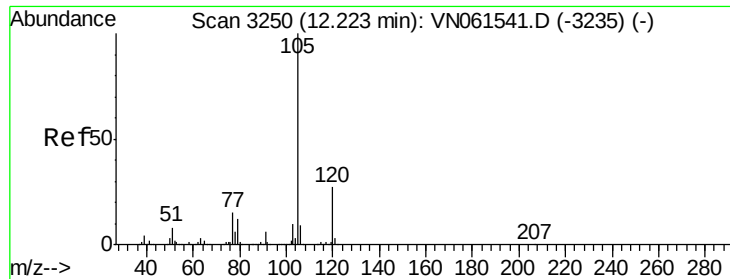
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.0	84.0
150	161.5	0.0	344.0



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: 18.401 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 105 Resp: 359883

Ion Ratio Lower Upper

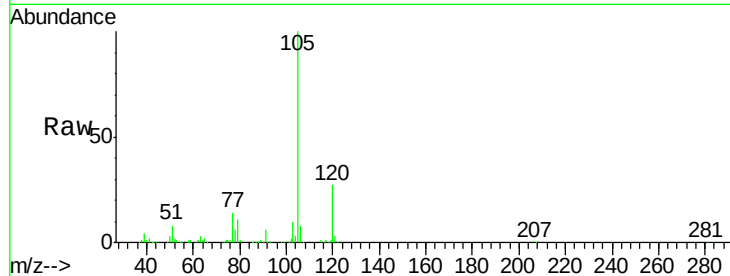
105 100

120 26.9 13.8 41.3

Manual Integrations
APPROVED

MMDadoda

6/9/2020 1:46:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

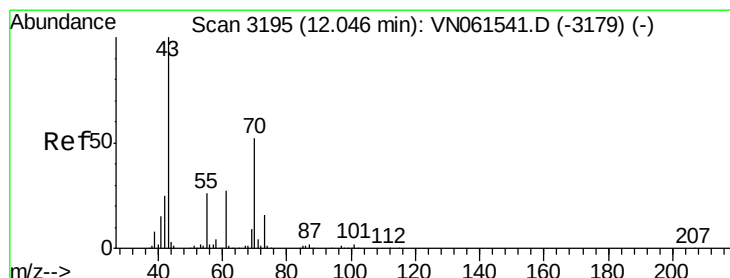
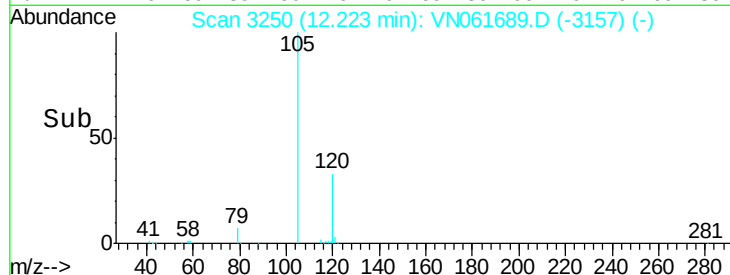
50000

0

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 16.607 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Tgt Ion: 43 Resp: 102285

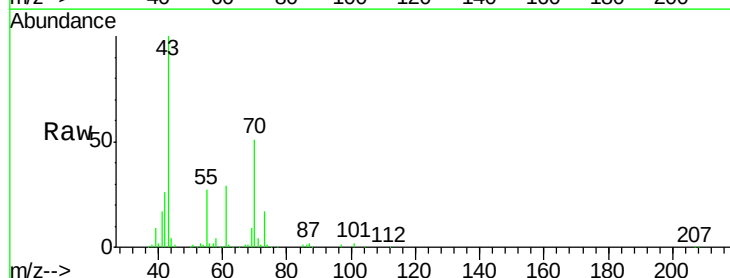
Ion Ratio Lower Upper

43 100

70 51.0 40.5 60.7

55 27.0 20.6 31.0

61 28.5 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

40000

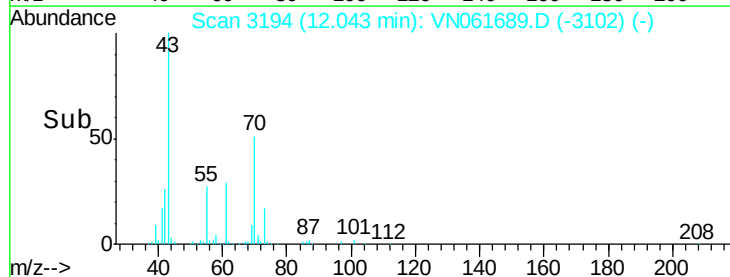
20000

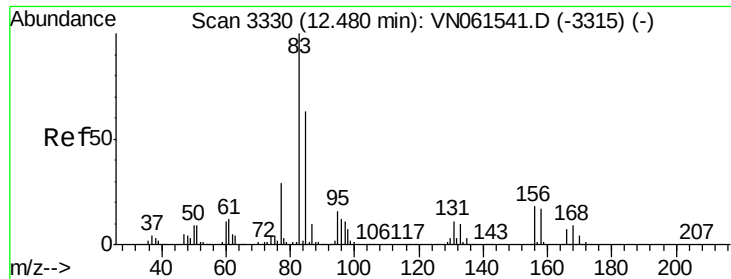
0

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.185 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

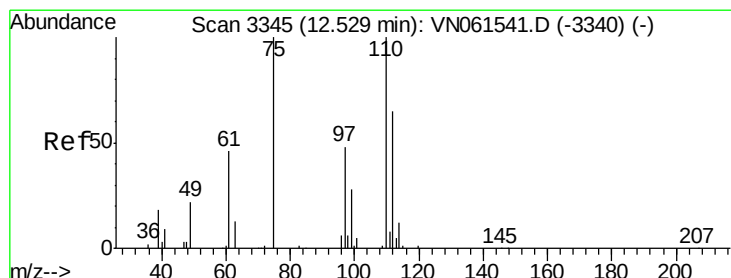
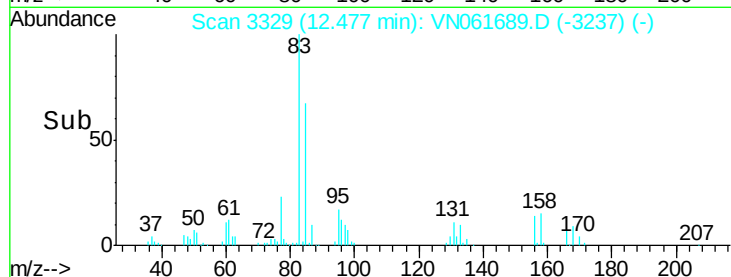
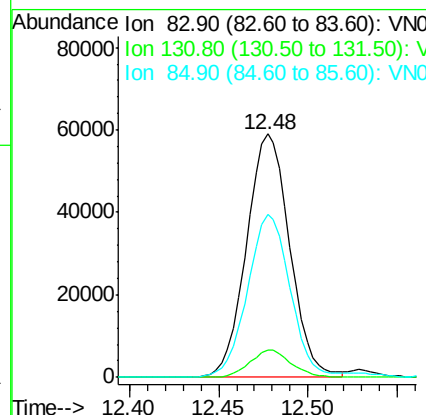
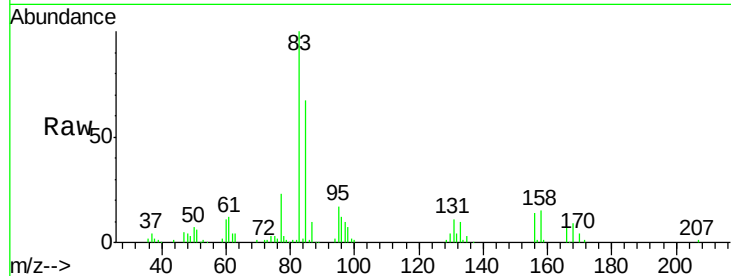
ClientSampleId :

VN0608WBSD01

Tot Ion:	83	Resp:	99665
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.5
85	65.9	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:15 PM



#76

1,2,3-Trichloropropane

Concen: 20.047 ug/l m

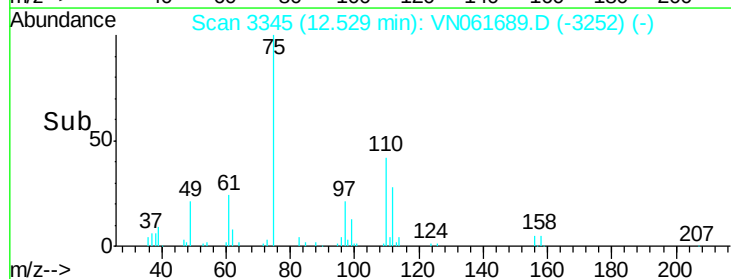
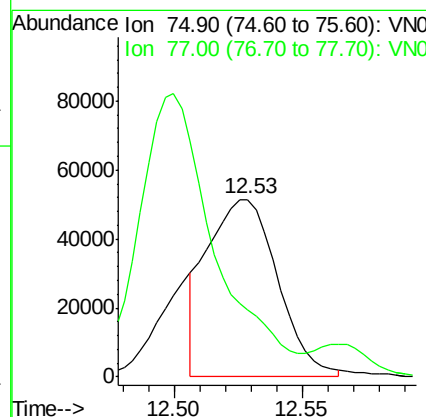
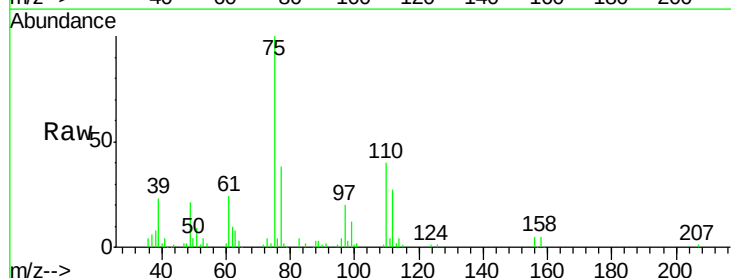
RT: 12.53 min Scan# 3345

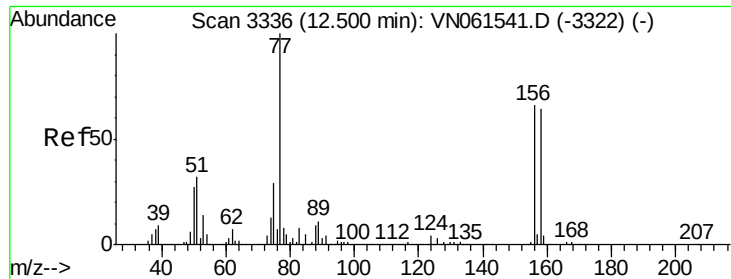
Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Tgt Ion:	75	Resp:	97682
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.478 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

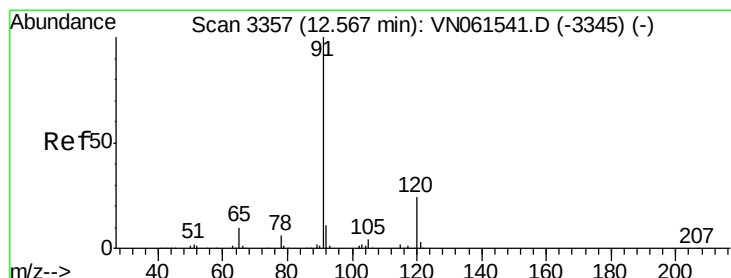
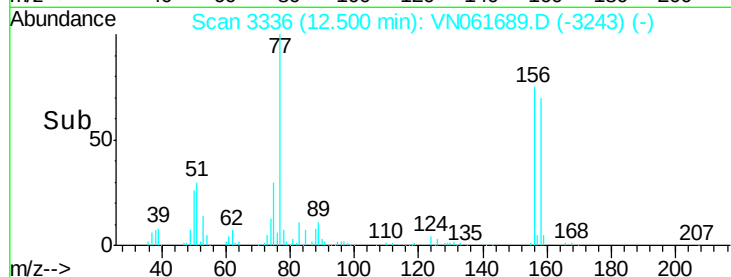
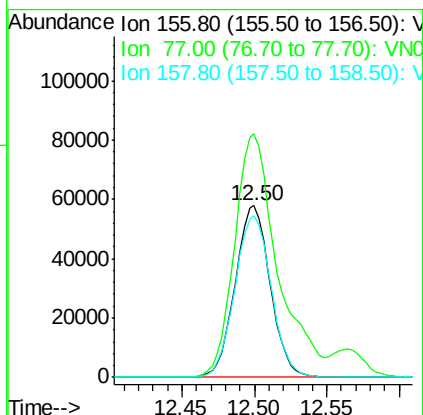
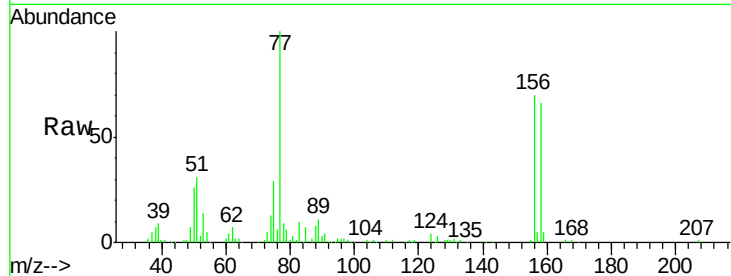
ClientSampleId :

VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.8	90.9	272.7
158	97.7	48.4	145.3

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:15 PM



#78

n-propylbenzene

Concen: 17.962 ug/l

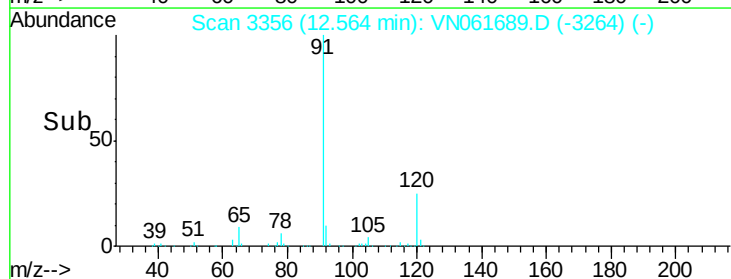
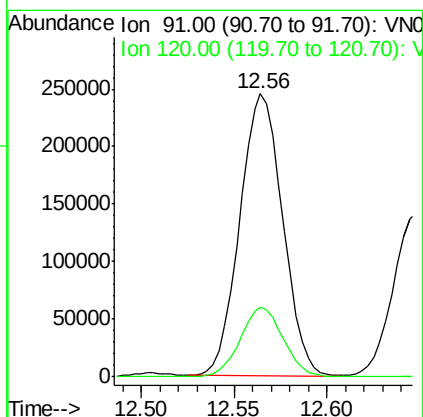
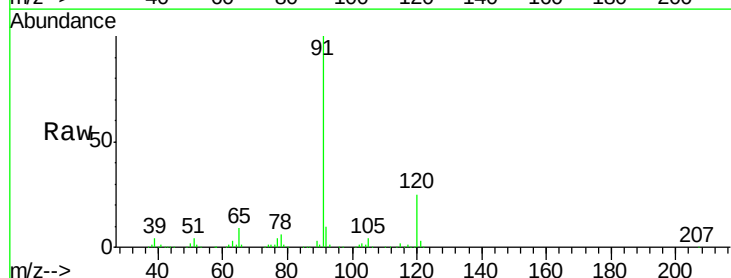
RT: 12.56 min Scan# 3356

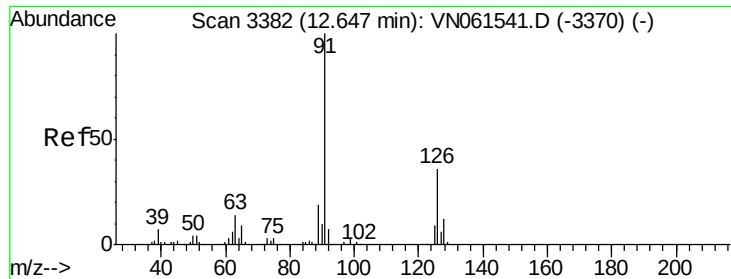
Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 17.937 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion: 91 Resp: 233529

Ion Ratio Lower Upper

91 100

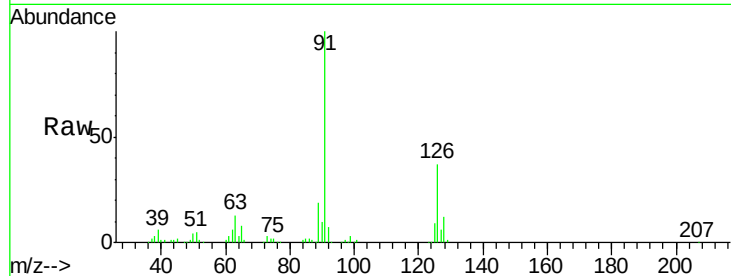
126 37.0 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

6/9/2020 1:46:15 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3370) (-)

250000

200000

150000

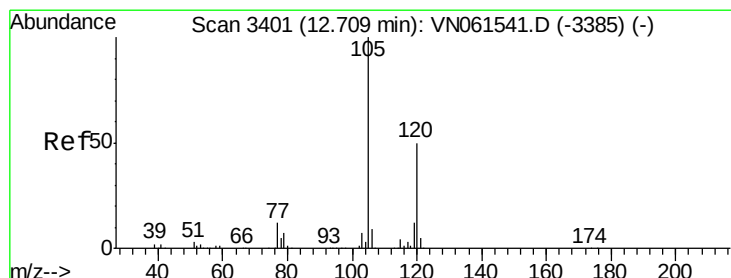
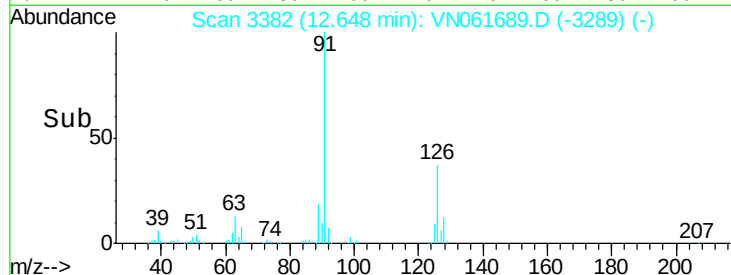
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.036 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061689.D

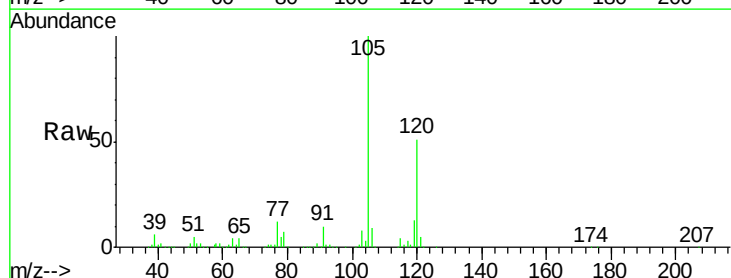
Acq: 8 Jun 2020 12:37

Tgt Ion:105 Resp: 294832

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061541.D (-3385) (-)

200000

150000

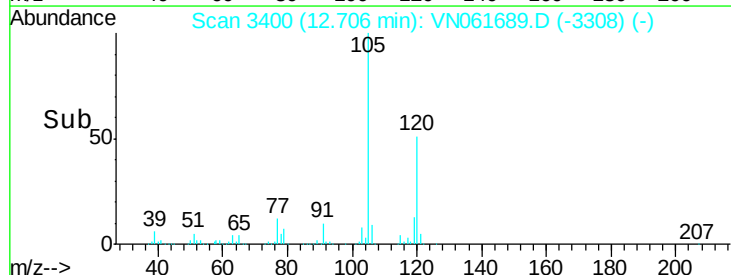
100000

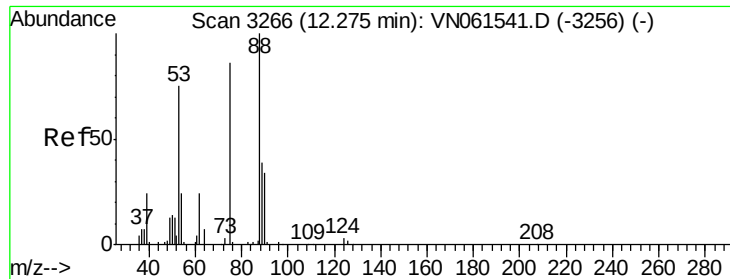
50000

0

12.65 12.70 12.75

Time-->





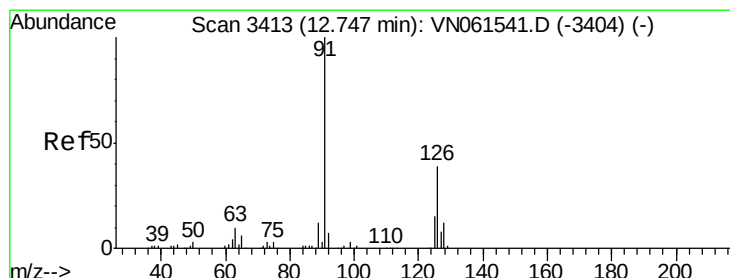
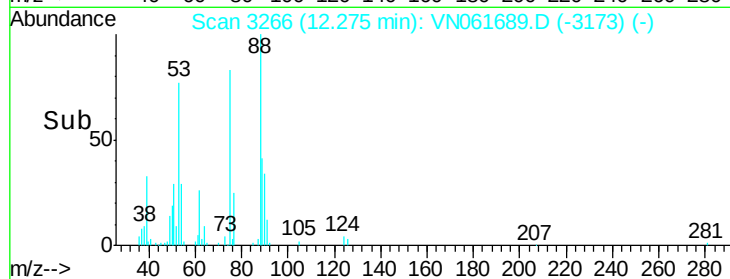
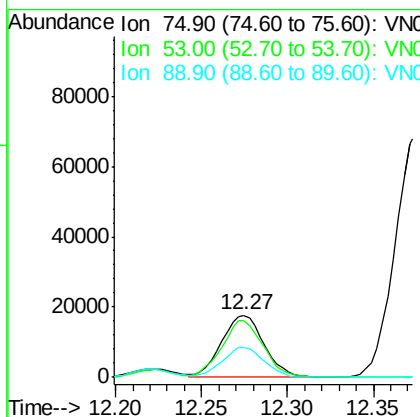
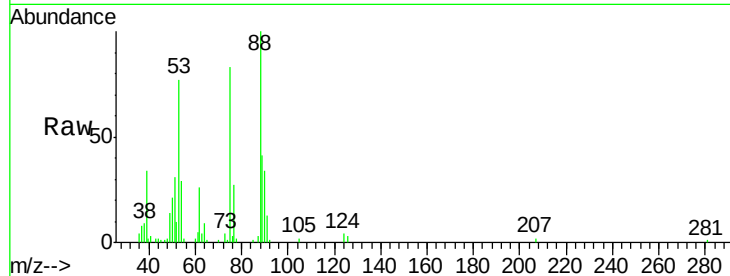
#81
trans-1,4-Dichloro-2-butene
Concen: 15.670 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.7	67.8	101.8
89	48.6	37.1	55.7

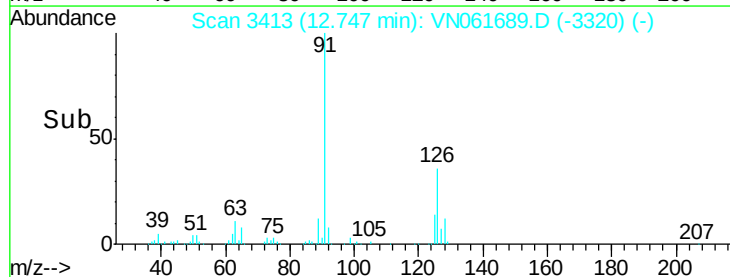
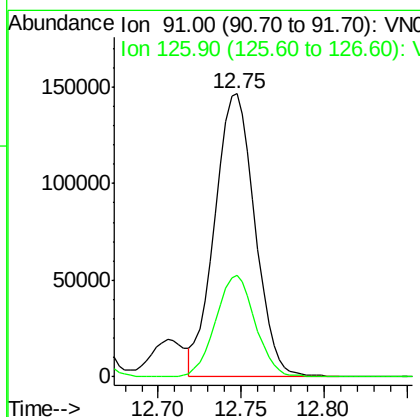
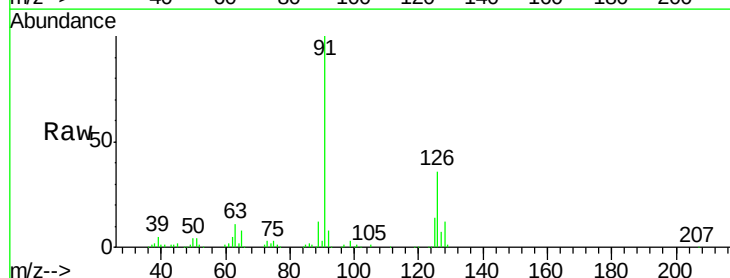
Manual Integrations
APPROVED

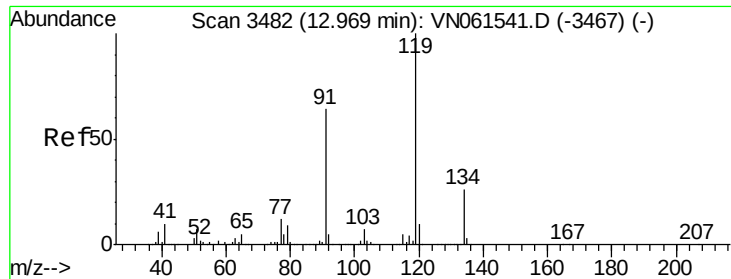
MMDadoda
6/9/2020 1:46:15 PM



#82
4-Chlorotoluene
Concen: 17.908 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.5	52.6





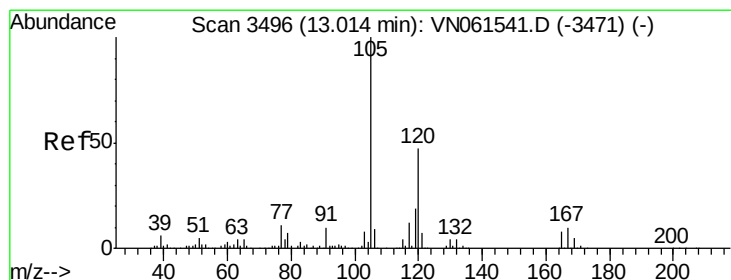
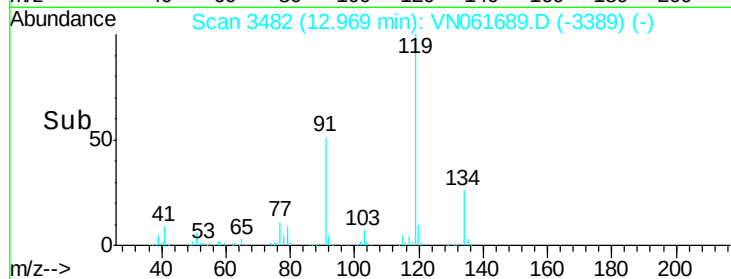
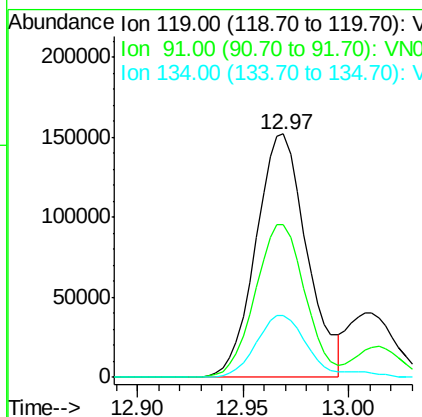
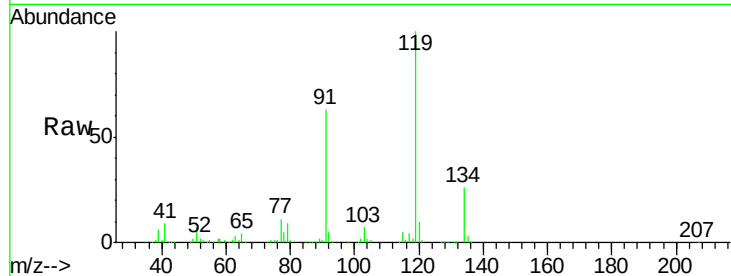
#83
 tert-Butylbenzene
 Concen: 17.700 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	255646		
91	61.6		31.3	93.8
134	25.1		13.5	40.4

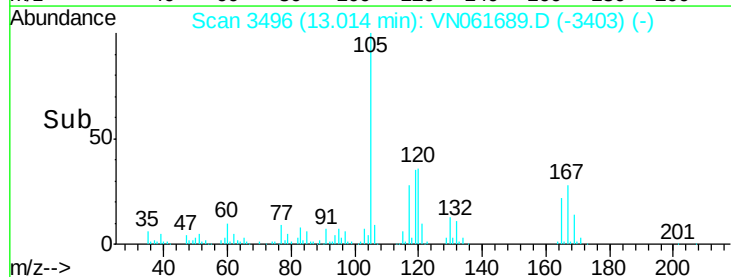
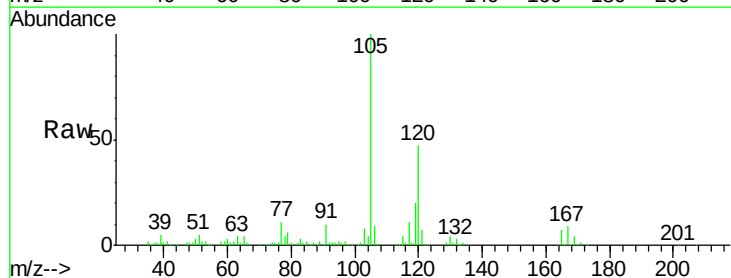
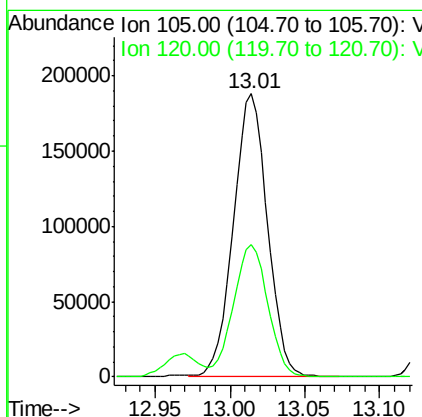
Manual Integrations
 APPROVED

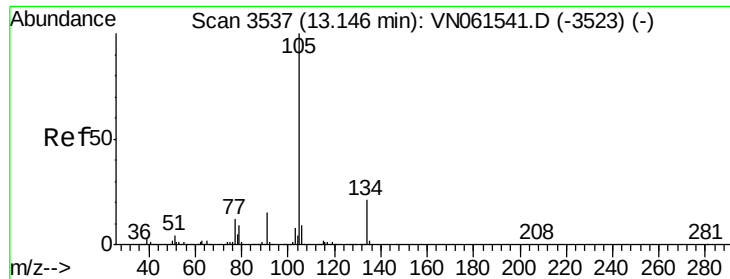
MMDadoda
 6/9/2020 1:46:15 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.274 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	296755		
120	47.7		23.2	69.5





#85

sec-Butylbenzene

Concen: 17.471 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD01

Tot Ion:105 Resp: 325159

Ion Ratio Lower Upper

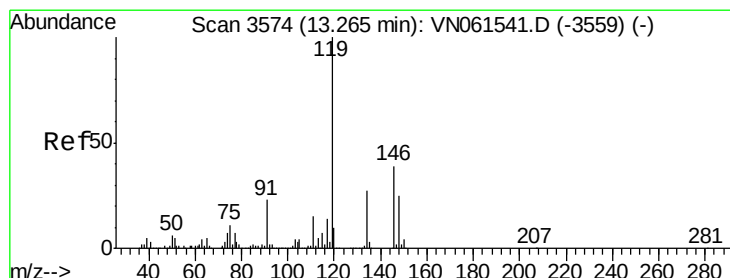
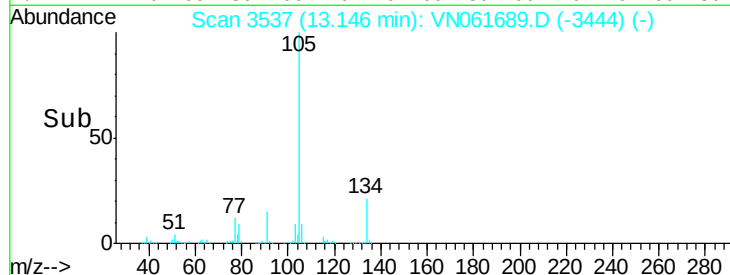
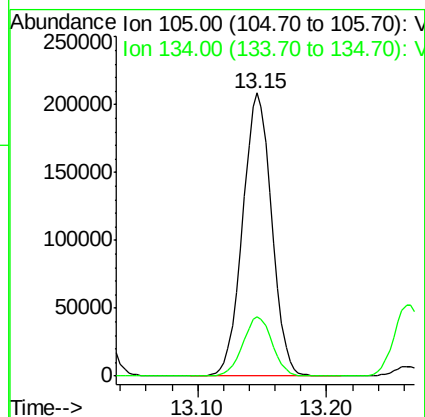
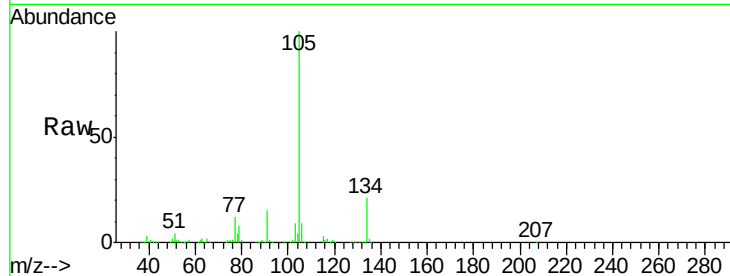
105 100

134 21.2 10.7 31.9

Manual Integrations
APPROVED

MMDadoda

6/9/2020 1:46:15 PM



#86

p-Isopropyltoluene

Concen: 17.801 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

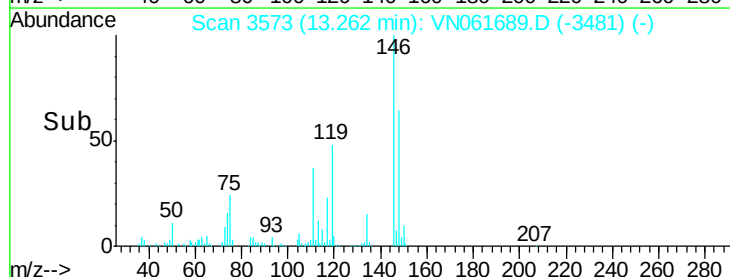
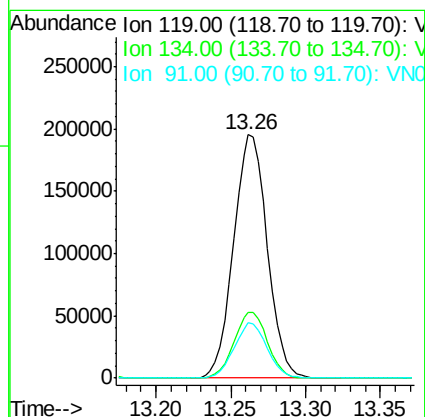
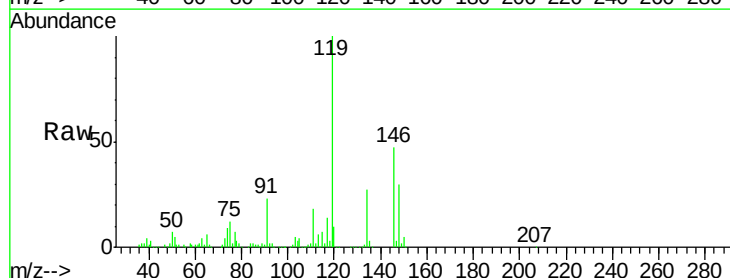
Tgt Ion:119 Resp: 305095

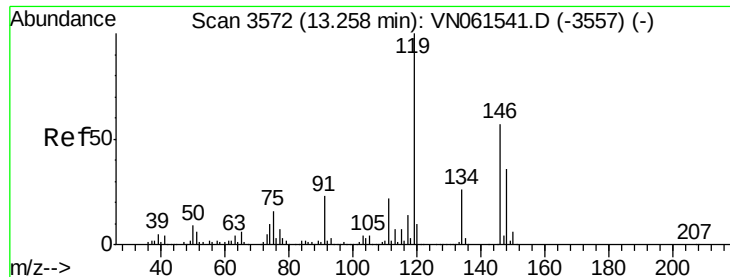
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 22.4 11.4 34.1





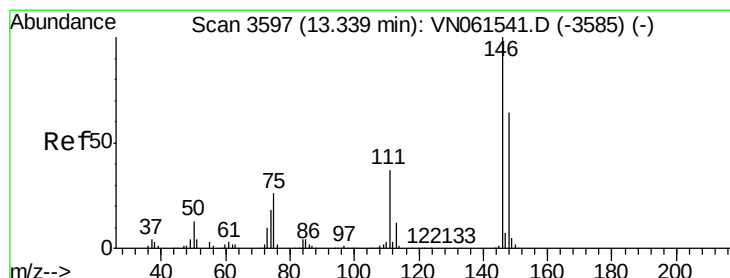
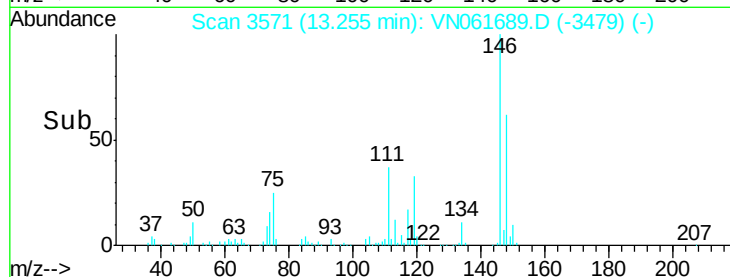
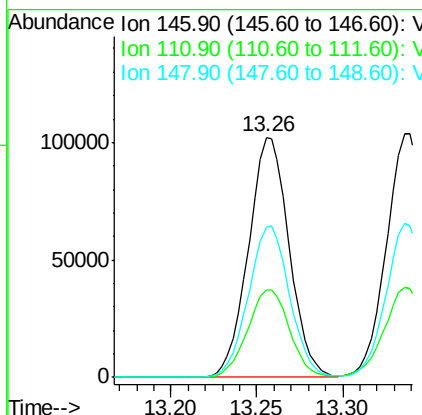
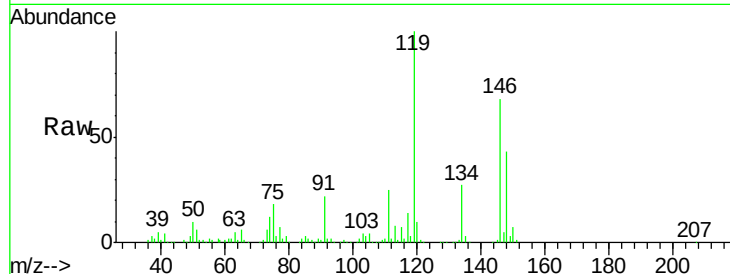
#87
 1,3-Dichlorobenzene
 Concen: 18.924 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.2	57.6
148	63.9	31.7	95.1

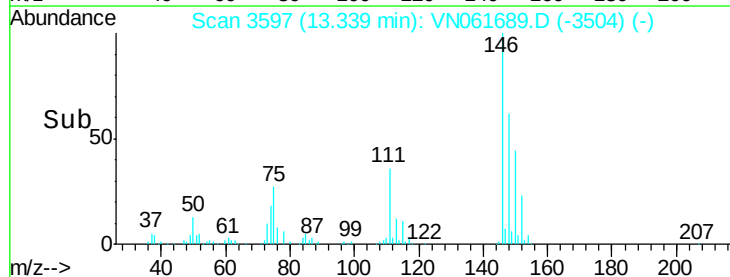
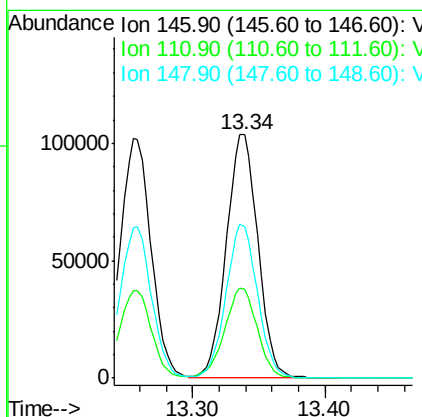
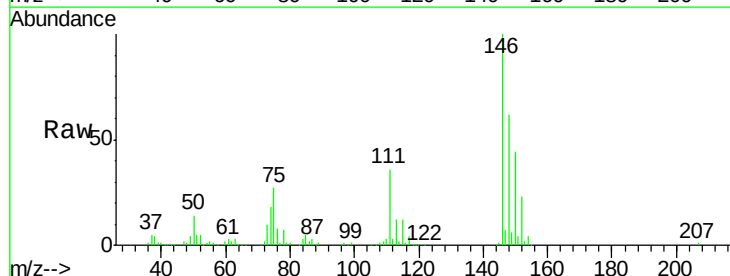
Manual Integrations
 APPROVED

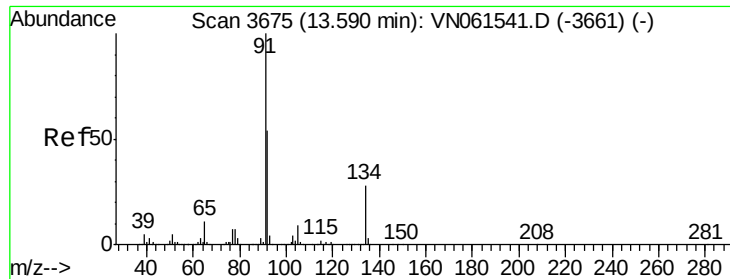
MMDadoda
 6/9/2020 1:46:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.095 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	62.5	31.8	95.3





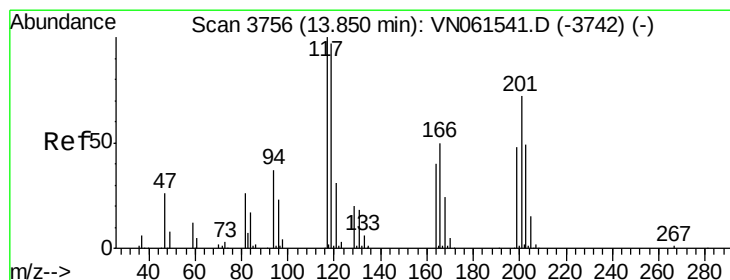
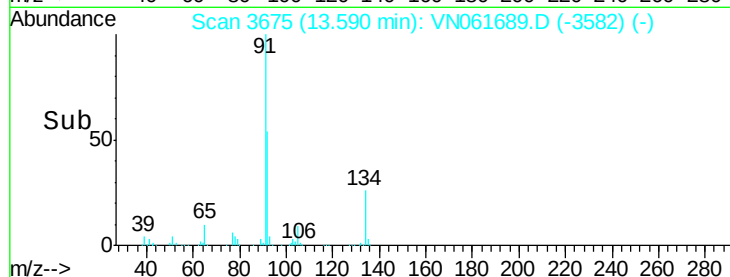
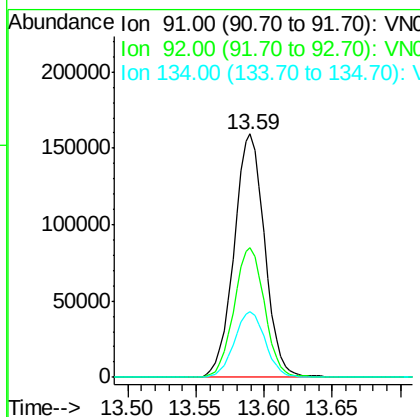
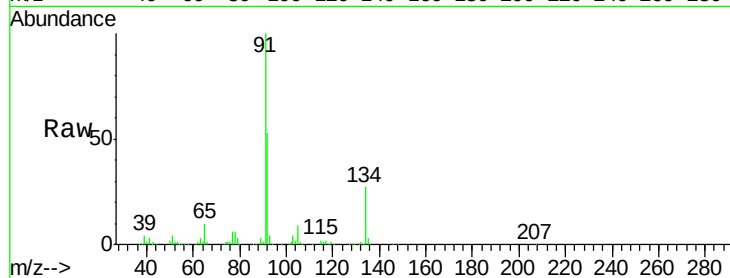
#89
n-Butylbenzene
Concen: 17.255 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.2	81.6
134	27.4	14.0	42.0

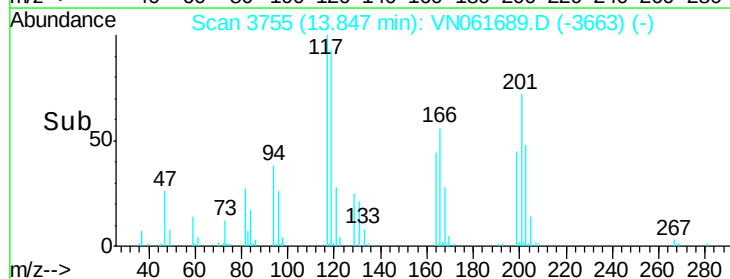
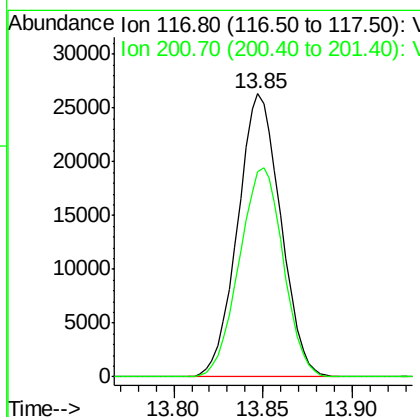
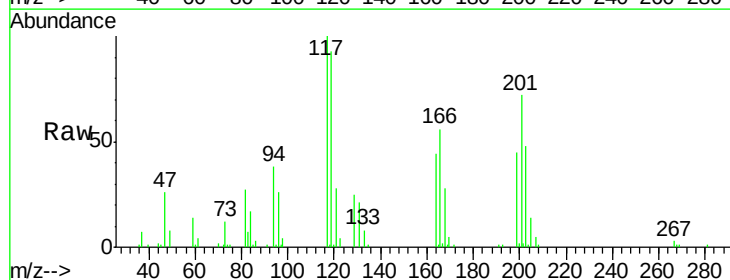
Manual Integrations
APPROVED

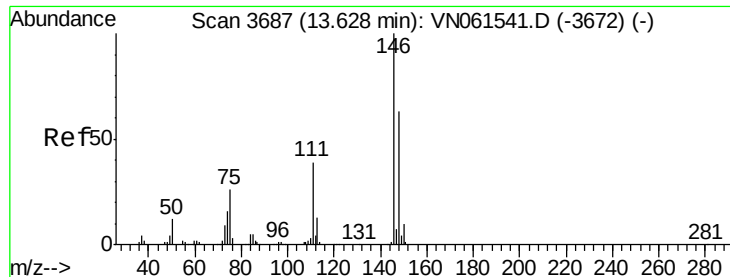
MMDadoda
6/9/2020 1:46:15 PM



#90
Hexachloroethane
Concen: 23.421 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061689.D
Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	36.7	110.1





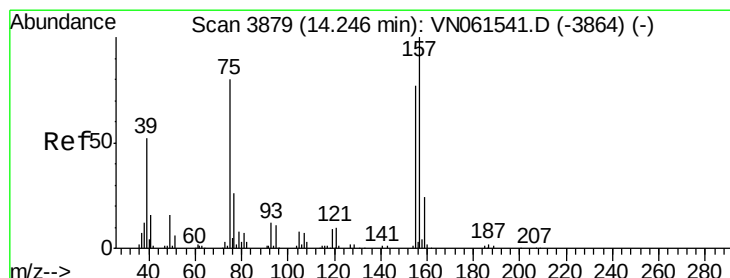
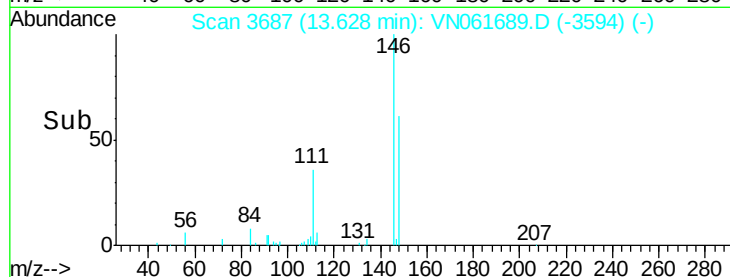
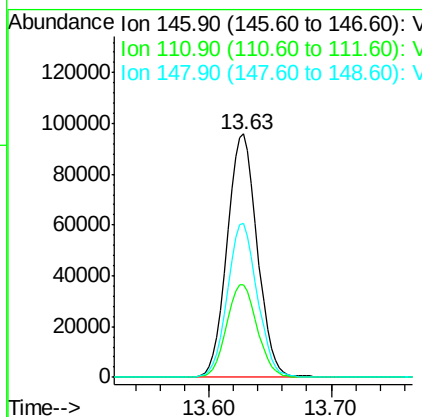
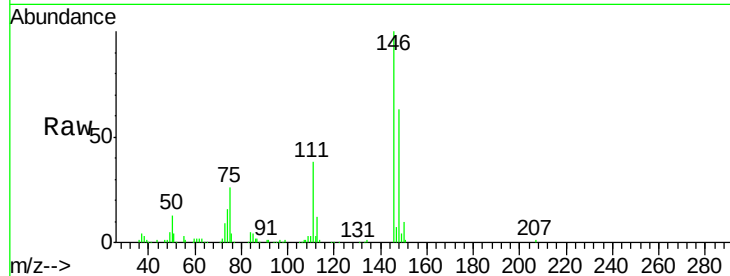
#91
 1,2-Dichlorobenzene
 Concen: 19.608 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.1	60.2
148	62.8	31.9	95.5

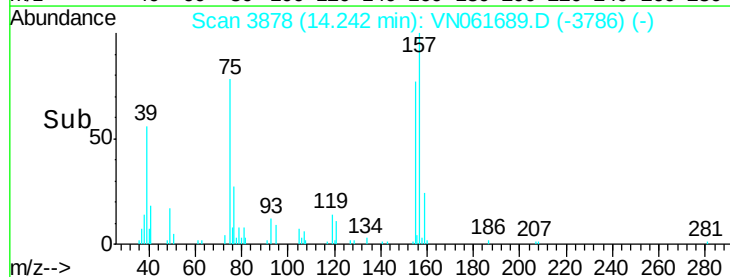
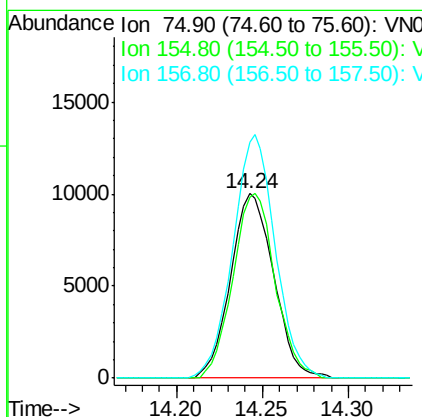
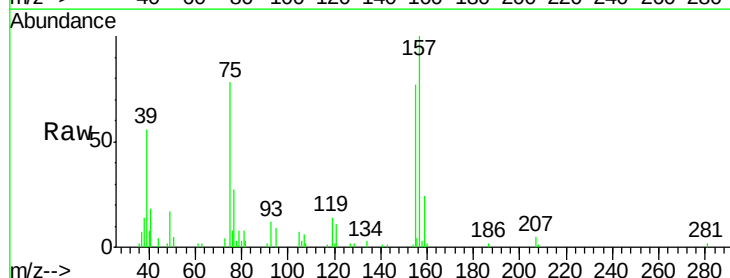
Manual Integrations
 APPROVED

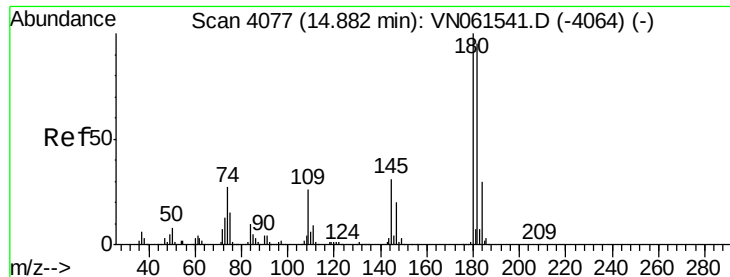
MMDadoda
 6/9/2020 1:46:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.690 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	47.1	141.4
157	129.1	60.3	180.8





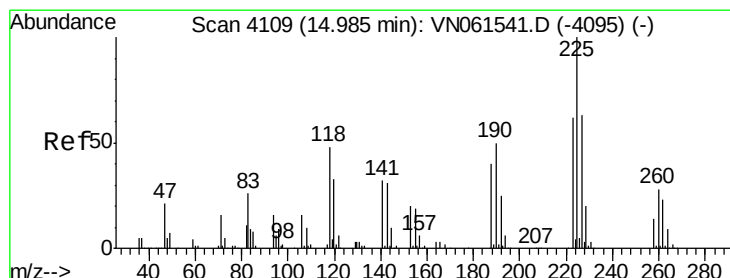
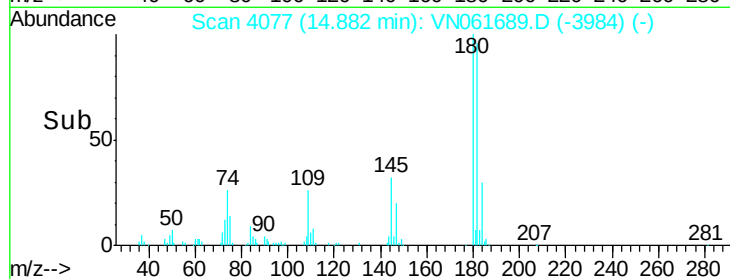
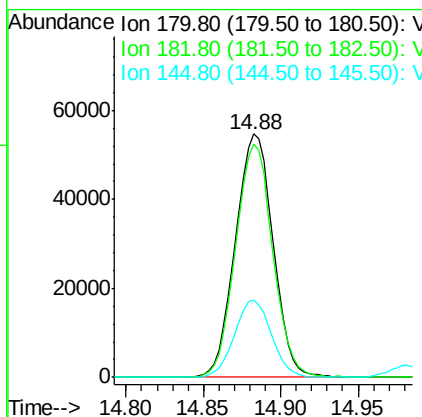
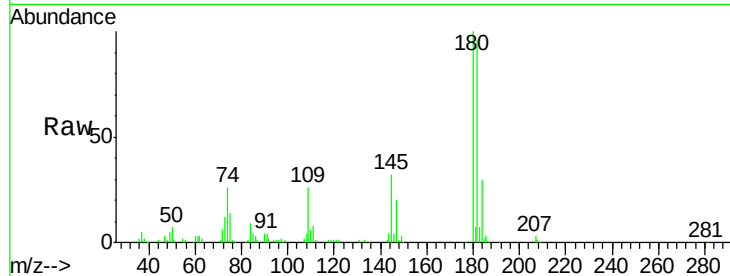
#93
 1,2,4-Trichlorobenzene
 Concen: 18.808 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92928		
182	94.4	47.8	143.3	
145	30.9	15.5	46.5	

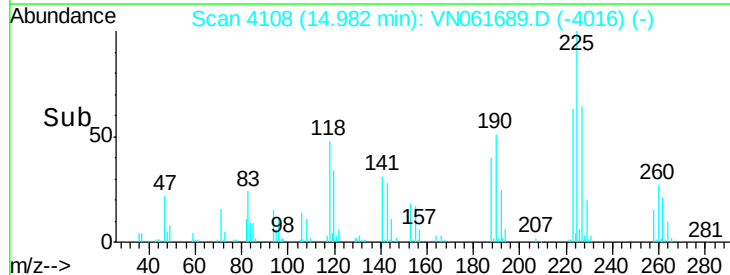
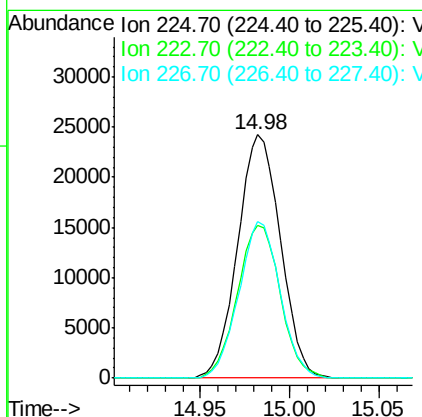
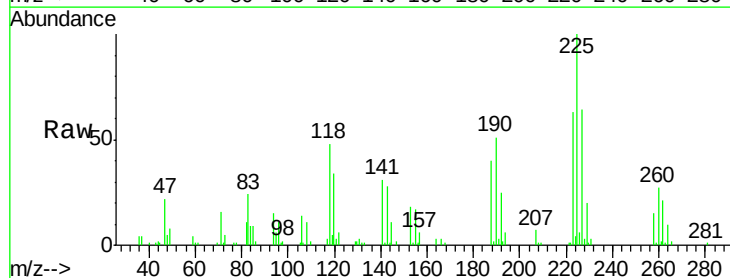
Manual Integrations
 APPROVED

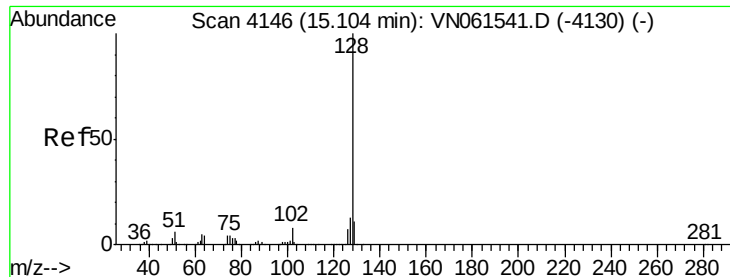
MMDadoda
 6/9/2020 1:46:15 PM



#94
 Hexachlorobutadiene
 Concen: 19.224 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061689.D
 Acq: 8 Jun 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40510		
223	62.7	31.9	95.5	
227	61.9	31.9	95.9	





#95

Naphthalene

Concen: 17.837 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Instrument :

MSVOA_N

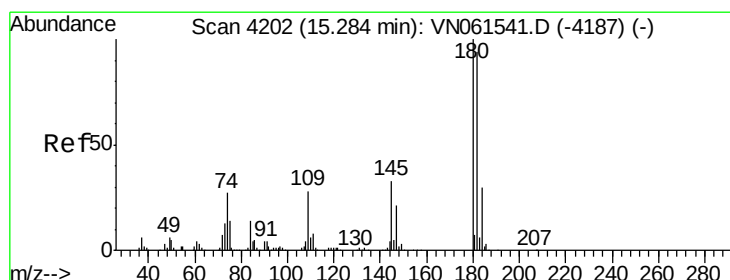
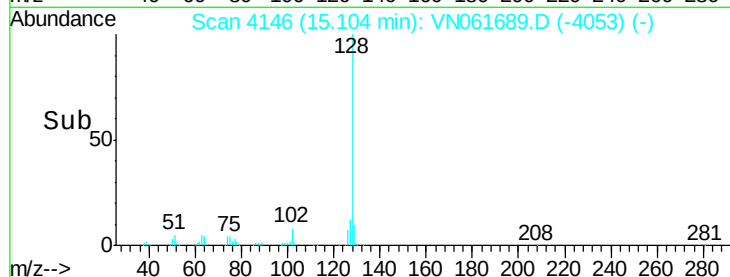
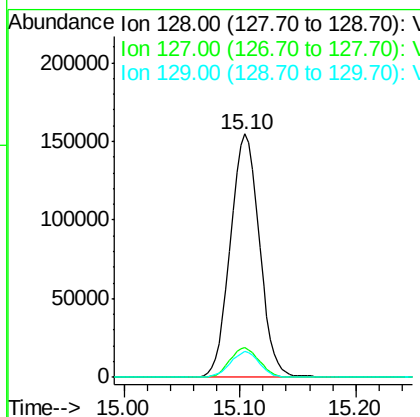
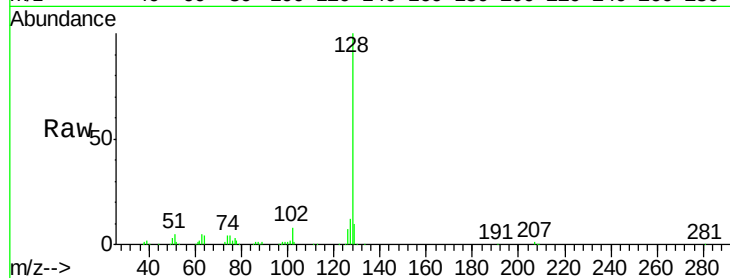
ClientSampleId :

VN0608WBSD01

Tot Ion:	128	Resp:	268242
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.0	15.0
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.982 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061689.D

Acq: 8 Jun 2020 12:37

Tgt Ion:	180	Resp:	92214
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.1	141.3
145	32.1	16.3	48.9

