

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060072.D
 Acq On : 12 Feb 2020 14:04
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN021220

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:37:24 AM

Quant Time: Feb 13 00:51:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	218392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	340777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	323465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127191	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
35) Dibromofluoromethane	7.56	113	102958	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.08	98	402003	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	155441	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	116619	53.423	ug/l	100
3) Chloromethane	2.03	50	134831	51.902	ug/l	98
4) Vinyl Chloride	2.16	62	150216	50.730	ug/l	100
5) Bromomethane	2.49	94	102126	56.248	ug/l	98
6) Chloroethane	2.65	64	77931	52.034	ug/l	97
7) Trichlorofluoromethane	2.99	101	202542	53.054	ug/l	99
8) Diethyl Ether	3.38	74	69521	54.705	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	112467	53.062	ug/l	99
10) Methyl Iodide	3.92	142	156350	54.645	ug/l	99
11) Tert butyl alcohol	4.74	59	112895	283.888	ug/l	100
12) 1,1-Dichloroethene	3.71	96	110515	53.523	ug/l	99
13) Acrolein	3.57	56	112813	286.999	ug/l	97
14) Allyl chloride	4.29	41	177587	58.434	ug/l	90
15) Acrylonitrile	4.94	53	272439	280.525	ug/l	99
16) Acetone	3.78	43	279673	241.270	ug/l	99
17) Carbon Disulfide	4.02	76	330889	53.166	ug/l	98
18) Methyl Acetate	4.28	43	126734	58.201	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	369512	53.215	ug/l	98
20) Methylene Chloride	4.52	84	124508	53.838	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	118636	52.708	ug/l	98
22) Diisopropyl ether	5.91	45	359504	53.976	ug/l	95
23) Vinyl Acetate	5.85	43	1524350	272.534	ug/l	100
24) 1,1-Dichloroethane	5.81	63	211739	52.478	ug/l	99
25) 2-Butanone	6.80	43	388482	266.474	ug/l	99
26) 2,2-Dichloropropane	6.79	77	202160	52.751	ug/l	100
27) cis-1,2-Dichloroethene	6.79	96	136783	51.927	ug/l	100
28) Bromochloromethane	7.17	49	77994	49.169	ug/l #	98
29) Tetrahydrofuran	7.18	42	237461	265.507	ug/l	99
30) Chloroform	7.34	83	219779	51.999	ug/l	98
31) Cyclohexane	7.63	56	192406	51.191	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	202663	52.471	ug/l	99
36) 1,1-Dichloropropene	7.77	75	166647	52.796	ug/l	100
37) Ethyl Acetate	6.89	43	152758	53.549	ug/l	99
38) Carbon Tetrachloride	7.75	117	178299	52.012	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060072.D
 Acq On : 12 Feb 2020 14:04
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN021220

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:37:24 AM

Quant Time: Feb 13 00:51:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	209242	53.403	ug/l	99
40) Benzene	8.01	78	490197	52.354	ug/l	100
41) Methacrylonitrile	7.14	41	63444	53.032	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	175497	53.479	ug/l	99
43) Isopropyl Acetate	8.14	43	263018	53.937	ug/l	100
44) Trichloroethene	8.81	130	134837	52.009	ug/l	98
45) 1,2-Dichloropropane	9.10	63	123684	53.356	ug/l	100
46) Dibromomethane	9.19	93	85475	52.179	ug/l	97
47) Bromodichloromethane	9.38	83	178421	53.573	ug/l	99
48) Methyl methacrylate	9.18	41	119328	54.540	ug/l	99
49) 1,4-Dioxane	9.18	88	46545	1245.115	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	789493	279.709	ug/l	100
52) Toluene	10.14	92	321894	53.611	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	206976	55.058	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	215996	54.565	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	125021	53.373	ug/l	99
56) Ethyl methacrylate	10.42	69	191737	57.863	ug/l	99
57) 1,3-Dichloropropane	10.70	76	205899	53.271	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	396526	256.864	ug/l	100
59) 2-Hexanone	10.74	43	616410	282.712	ug/l	100
60) Dibromochloromethane	10.89	129	146764	54.599	ug/l	99
61) 1,2-Dibromoethane	10.99	107	136176	55.457	ug/l	99
64) Tetrachloroethene	10.62	164	124015	50.434	ug/l	99
65) Chlorobenzene	11.43	112	353839	53.693	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	133939	53.726	ug/l	100
67) Ethyl Benzene	11.50	91	639964	53.843	ug/l	100
68) m/p-Xylenes	11.62	106	492488	110.401	ug/l	99
69) o-Xylene	11.94	106	236601	55.086	ug/l	100
70) Styrene	11.96	104	398485	57.533	ug/l	100
71) Bromoform	12.12	173	114971	57.338	ug/l #	98
73) Isopropylbenzene	12.25	105	649225	51.799	ug/l	100
74) N-amyl acetate	12.06	43	250947	55.525	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	188979	52.384	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	169826m	52.886	ug/l	
77) Bromobenzene	12.52	156	163245	52.483	ug/l	99
78) n-propylbenzene	12.59	91	748937	52.447	ug/l	100
79) 2-Chlorotoluene	12.67	91	435738	51.915	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	561276	53.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	72753	55.474	ug/l	99
82) 4-Chlorotoluene	12.77	91	454823	52.818	ug/l	99
83) tert-Butylbenzene	12.99	119	468749	50.848	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	563929	54.820	ug/l	100
85) sec-Butylbenzene	13.17	105	638374	52.288	ug/l	100
86) p-Isopropyltoluene	13.28	119	594960	53.786	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	297366	54.009	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	293001	53.227	ug/l	100
89) n-Butylbenzene	13.61	91	520858	53.535	ug/l	100
90) Hexachloroethane	13.87	117	108203	52.360	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	284961	52.886	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	39913	52.065	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
Data File : VN060072.D
Acq On : 12 Feb 2020 14:04
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM

Quant Time: Feb 13 00:51:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	175915	55.564	ug/l	99
94) Hexachlorobutadiene	15.01	225	93640	50.522	ug/l	99
95) Naphthalene	15.13	128	482096	56.371	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	169367	53.719	ug/l	99

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

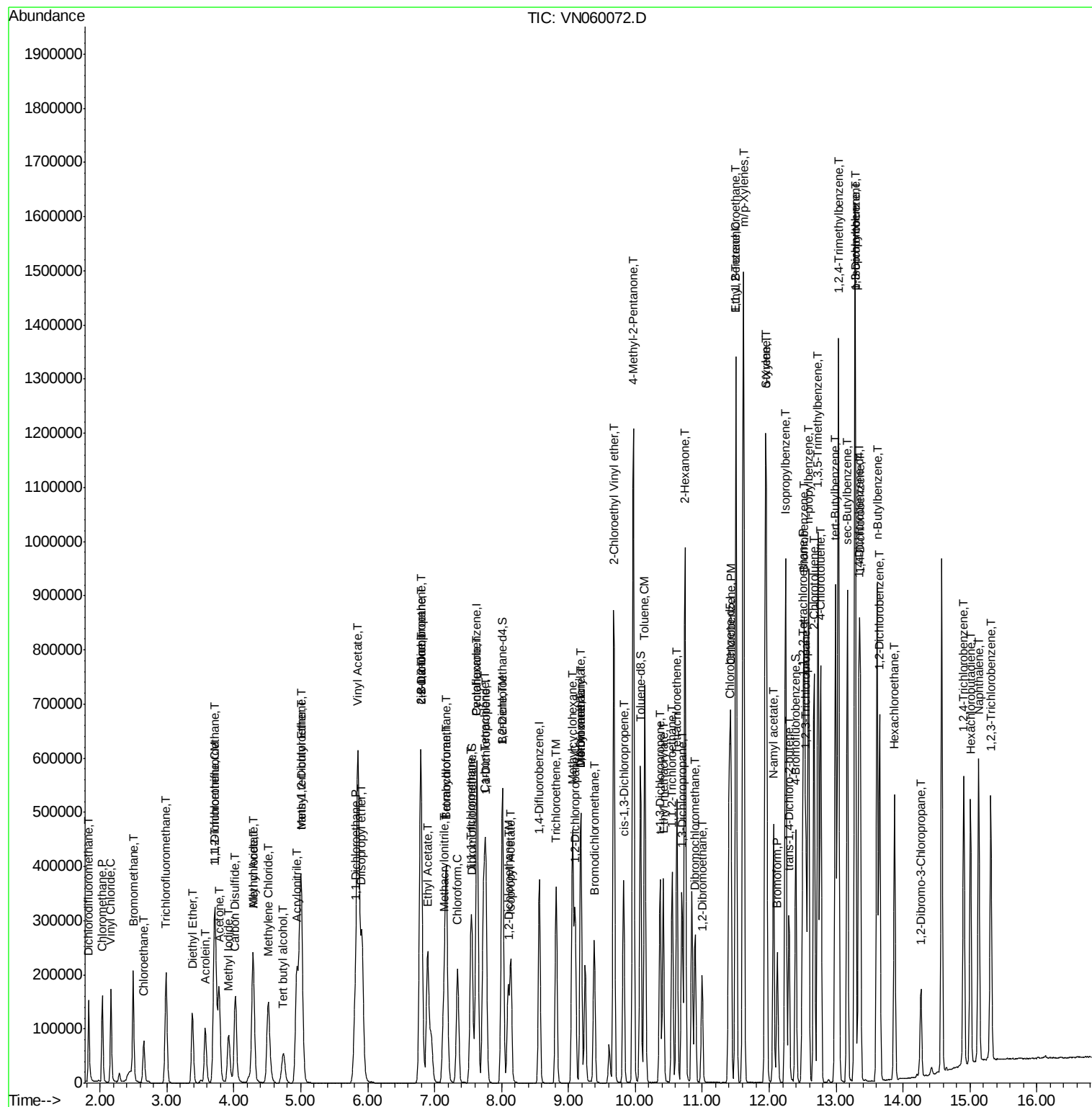
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021220\
Data File : VN060072.D
Acq On : 12 Feb 2020 14:04
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

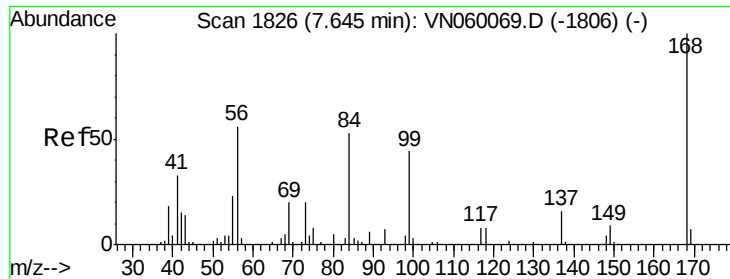
Instrument :
MSVOA_N
Client Sampled :
ICVVN021220

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM

Quant Time: Feb 13 00:51:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

ICVVN021220

Tot Ion:168 Resp: 218392

Ion Ratio Lower Upper

168 100

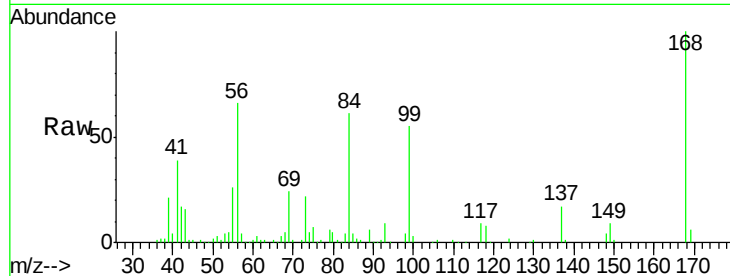
99 54.7 42.7 64.1

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

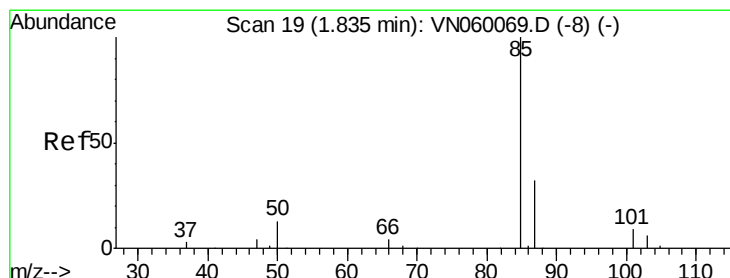
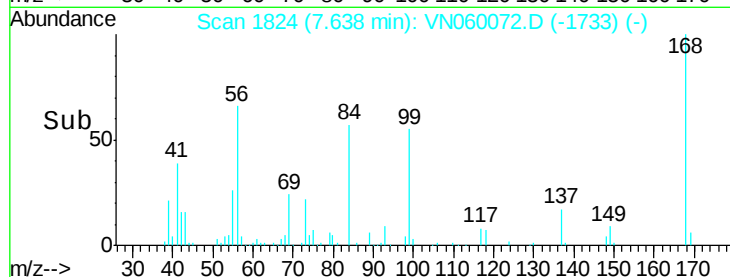
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 53.423 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060072.D

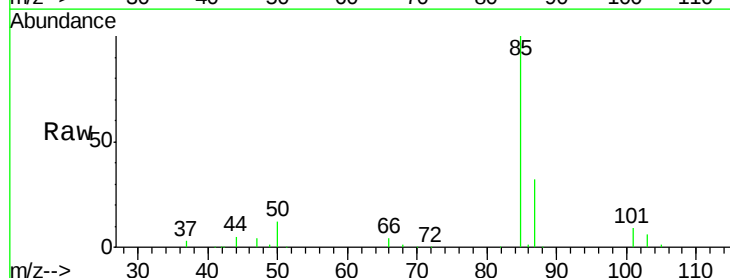
Acq: 12 Feb 2020 14:04

Tgt Ion: 85 Resp: 116619

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

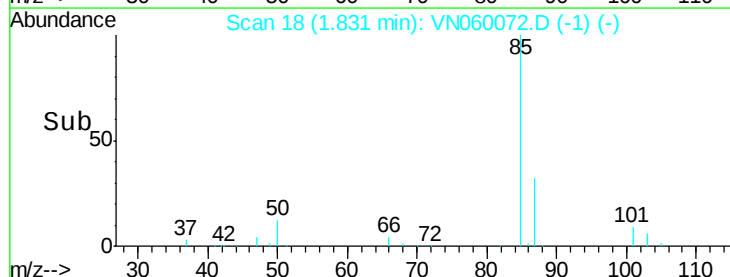
60000

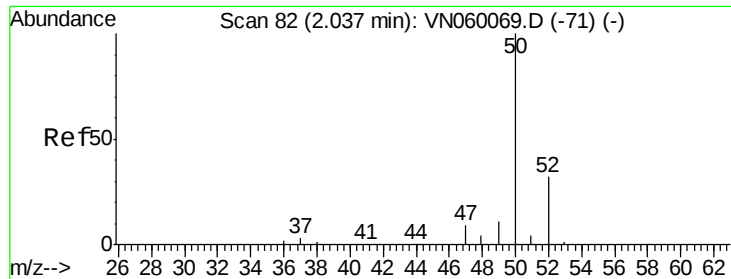
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 51.902 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

ICVVN021220

Tot Ion: 50 Resp: 134831

Ion Ratio Lower Upper

50 100

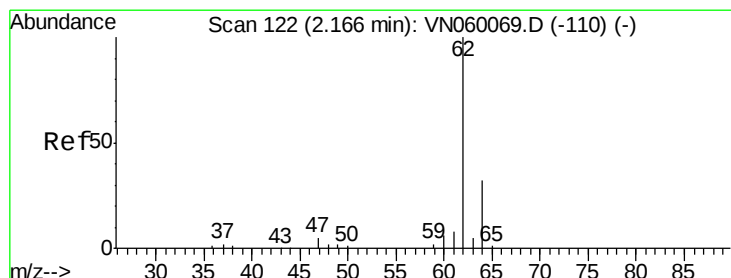
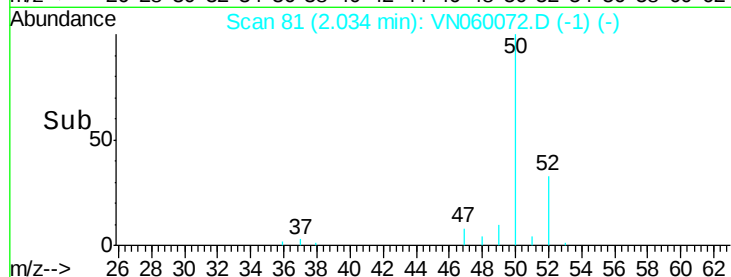
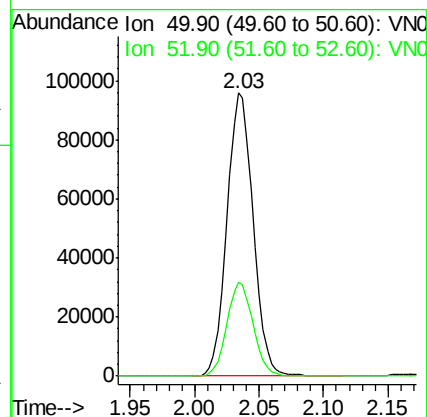
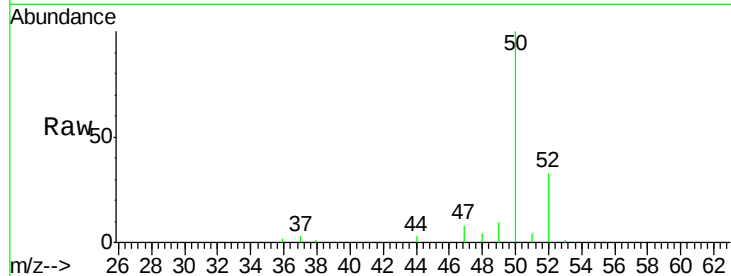
52 33.1 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:24 AM



#4

Vinyl Chloride

Concen: 50.730 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060072.D

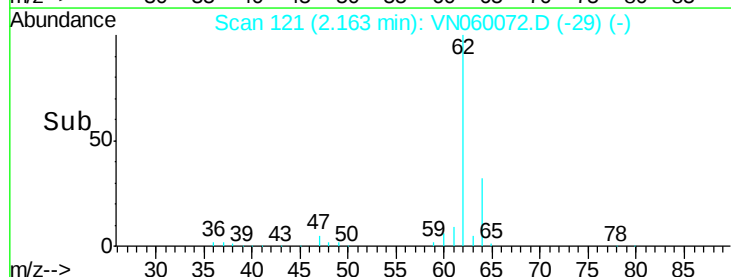
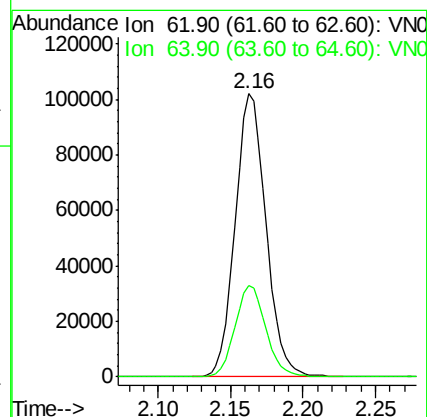
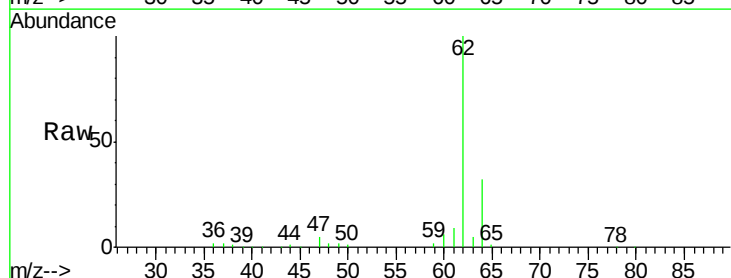
Acq: 12 Feb 2020 14:04

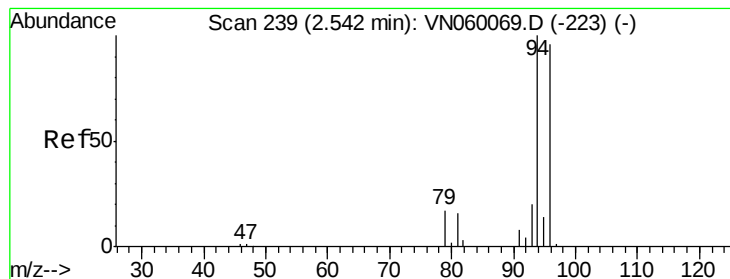
Tgt Ion: 62 Resp: 150216

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





#5

Bromomethane

Concen: 56.248 ug/l

RT: 2.49 min Scan# 224

Delta R.T. -0.05 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

ICVVN021220

Tot Ion: 94 Resp: 102126

Ion Ratio Lower Upper

94 100

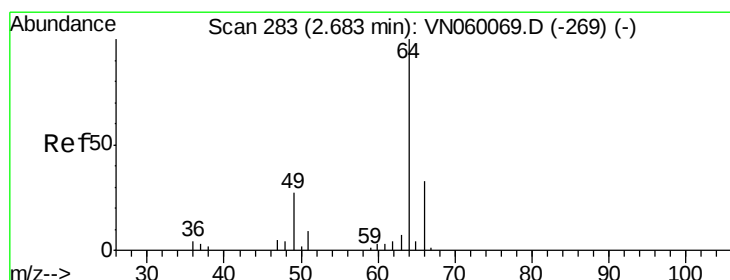
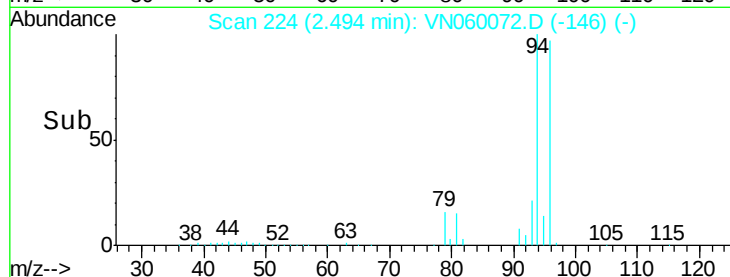
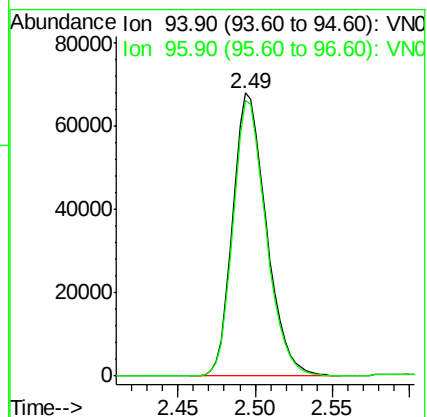
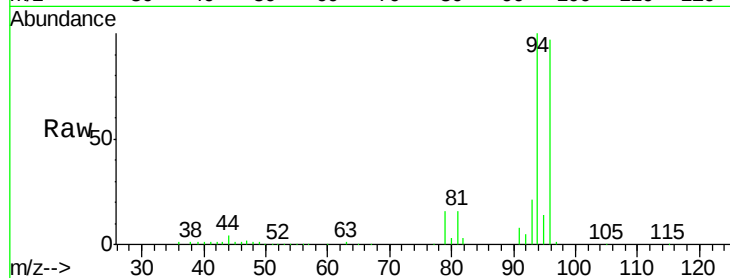
96 97.4 76.7 115.1

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:24 AM



#6

Chloroethane

Concen: 52.034 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.03 min

Lab File: VN060072.D

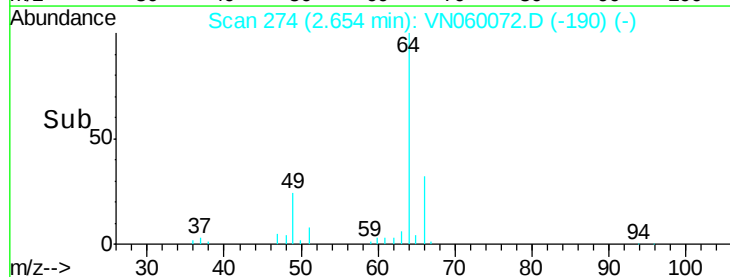
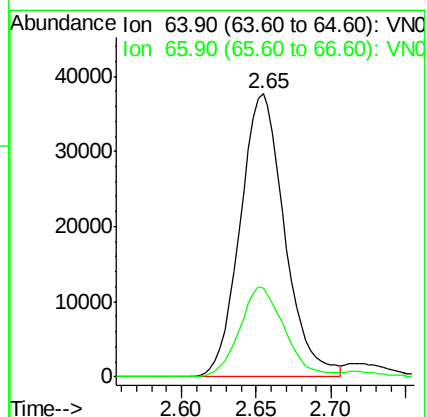
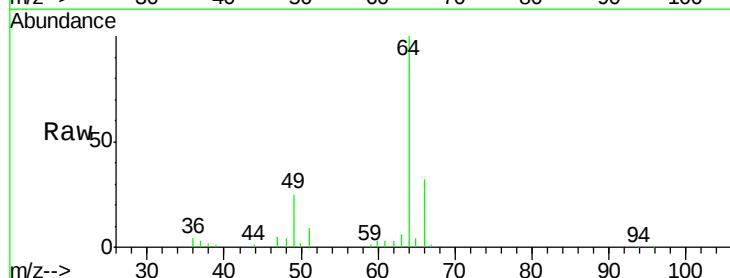
Acq: 12 Feb 2020 14:04

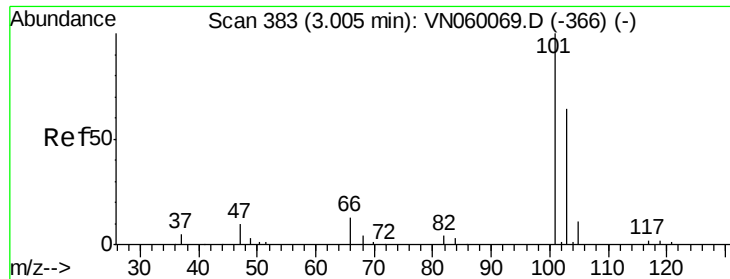
Tgt Ion: 64 Resp: 77931

Ion Ratio Lower Upper

64 100

66 31.5 26.6 40.0





#7

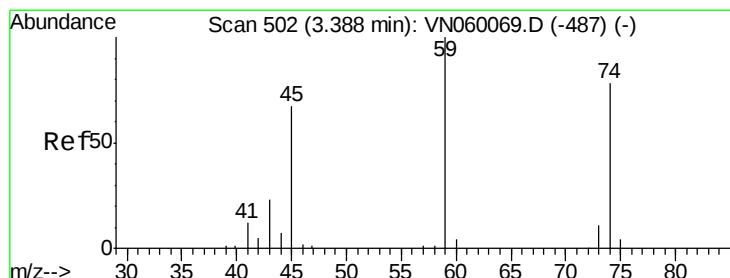
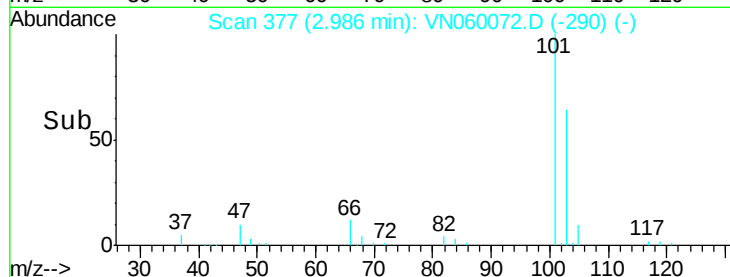
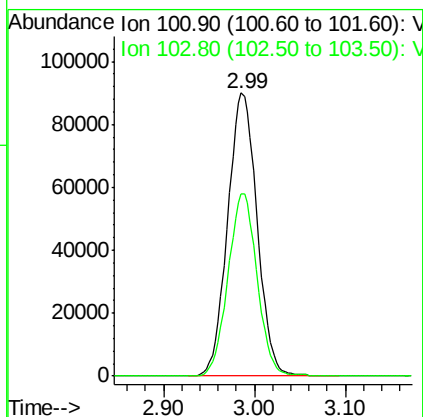
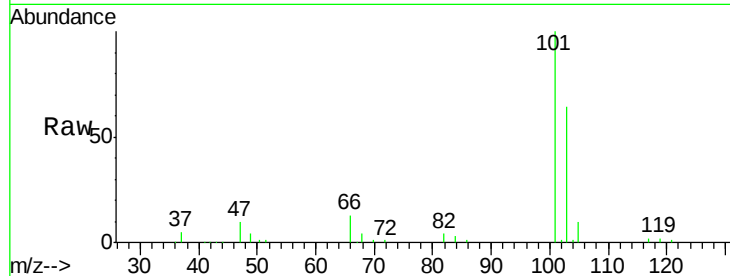
Trichlorofluoromethane
Concen: 53.054 ug/l
RT: 2.99 min Scan# 377
Delta R.T. -0.02 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion:101 Resp: 202542
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6

Manual Integrations
APPROVED

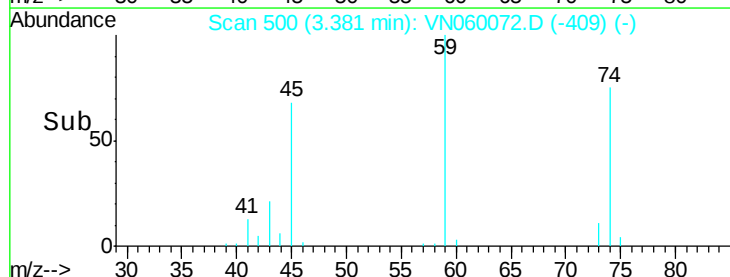
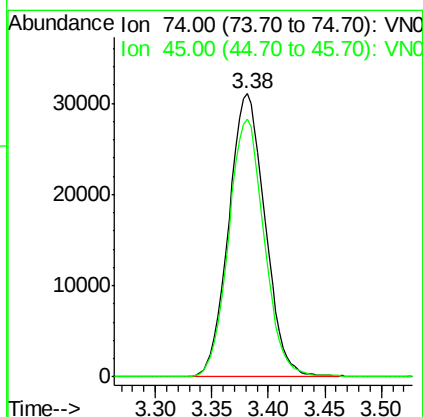
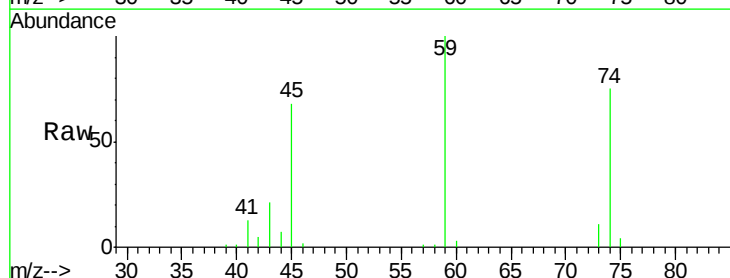
MMDadoda
2/13/2020 10:37:24 AM

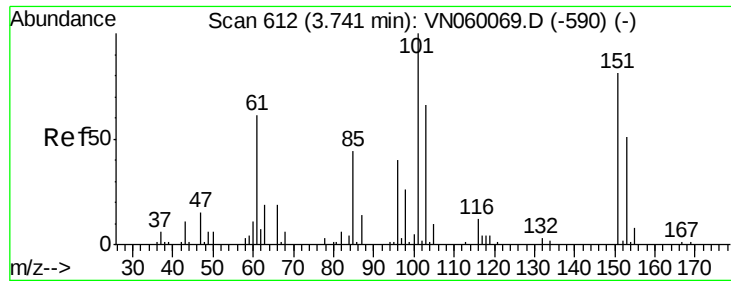


#8

Diethyl Ether
Concen: 54.705 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion: 74 Resp: 69521
Ion Ratio Lower Upper
74 100
45 89.3 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.062 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

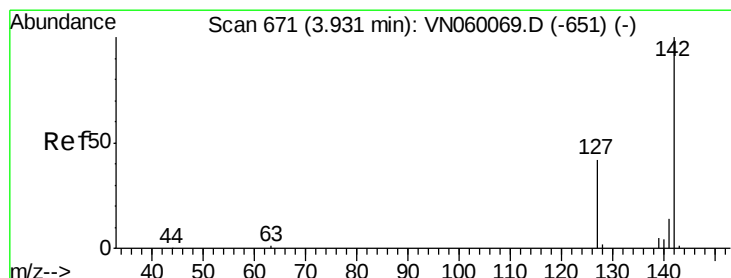
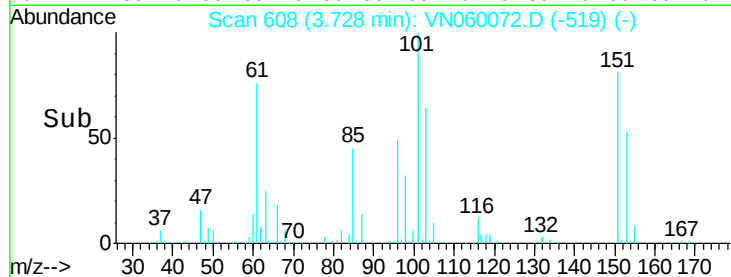
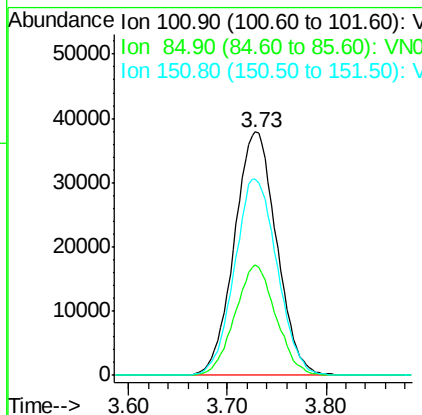
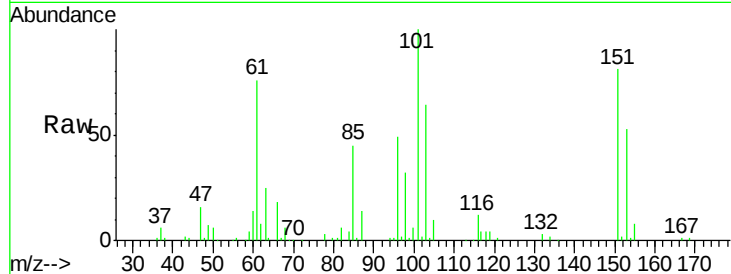
ClientSampled :

ICVVN021220

Tot Ion:	101	Resp:	112467
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.1	52.7
151	81.5	65.8	98.6

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#10

Methyl Iodide

Concen: 54.645 ug/l

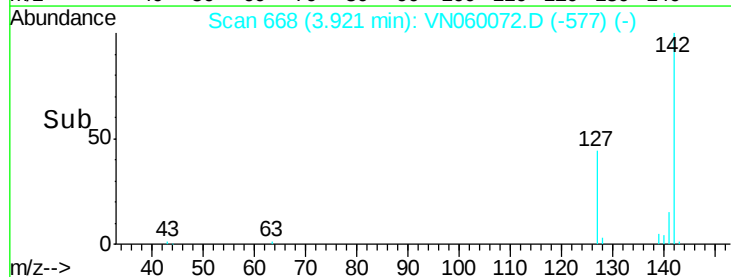
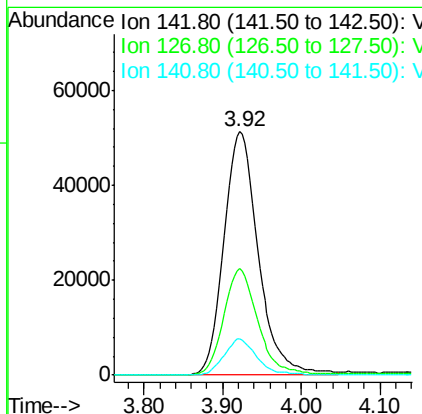
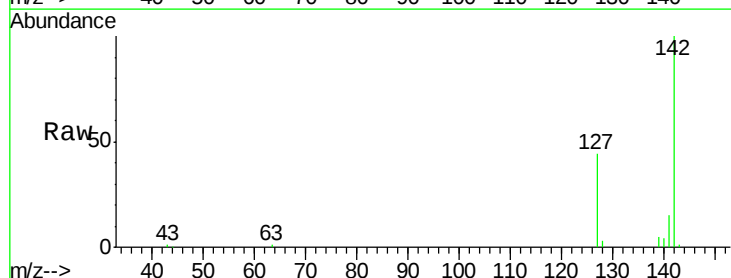
RT: 3.92 min Scan# 668

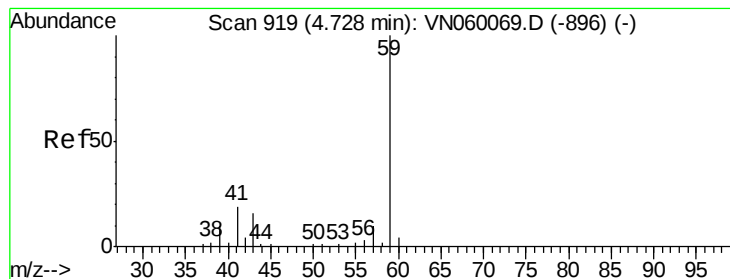
Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	142	Resp:	156350
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.6	50.4
141	14.2	11.4	17.2





#11

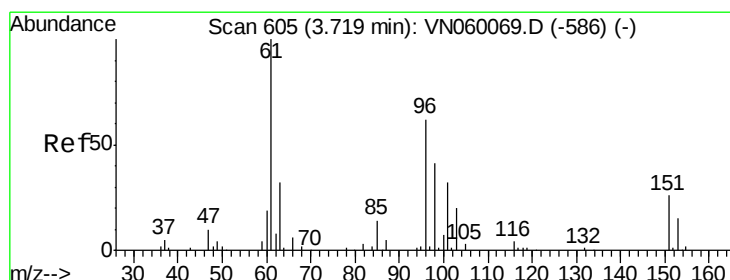
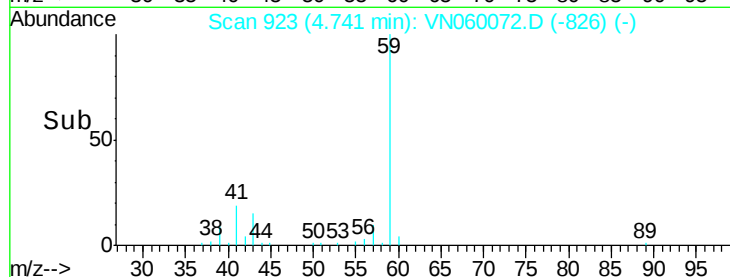
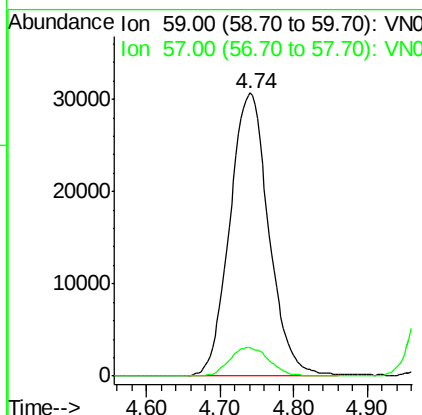
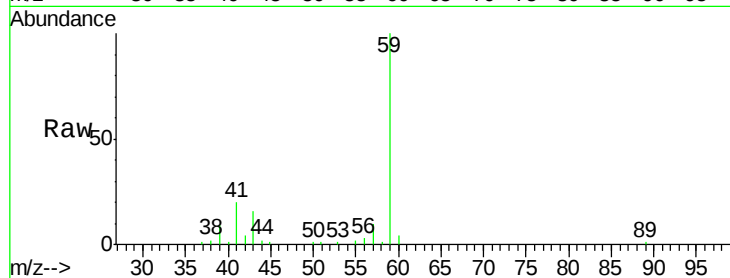
Tert butyl alcohol
 Concen: 283.888 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN021220

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
 APPROVED

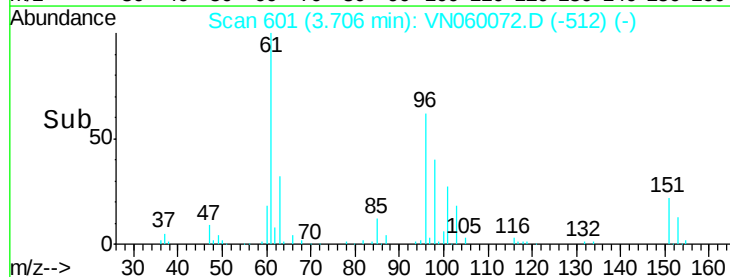
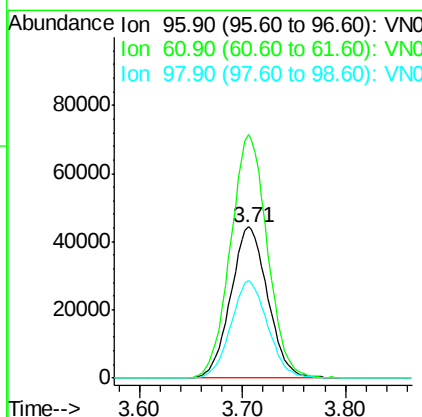
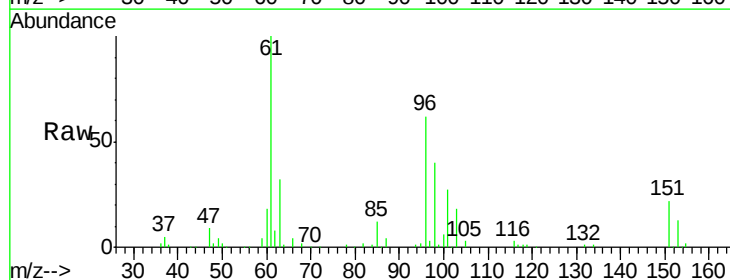
MMDadoda
 2/13/2020 10:37:24 AM

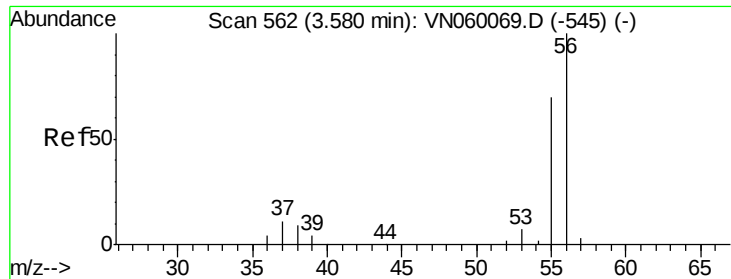


#12

1,1-Dichloroethene
 Concen: 53.523 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	128.3	192.5
98	64.7	52.2	78.4





#13

Acrolein

Concen: 286.999 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

ICVVN021220

Tot Ion: 56 Resp: 112813

Ion Ratio Lower Upper

56 100

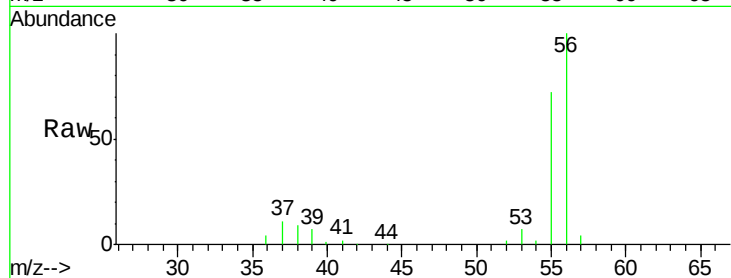
55 71.3 54.8 82.2

Manual Integrations

APPROVED

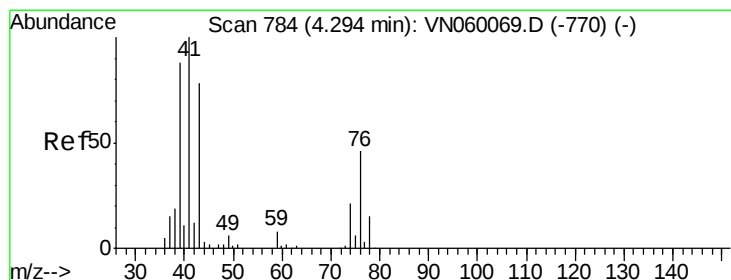
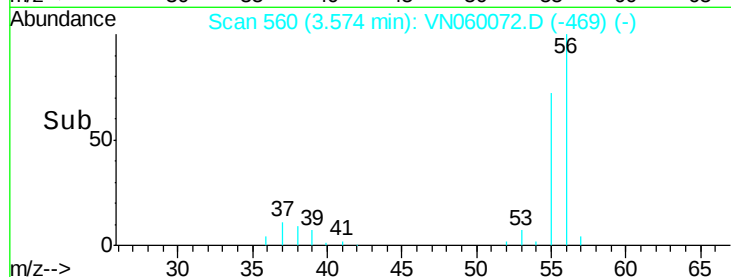
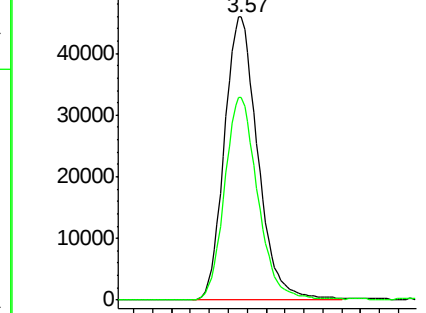
MMDadoda

2/13/2020 10:37:24 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 58.434 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

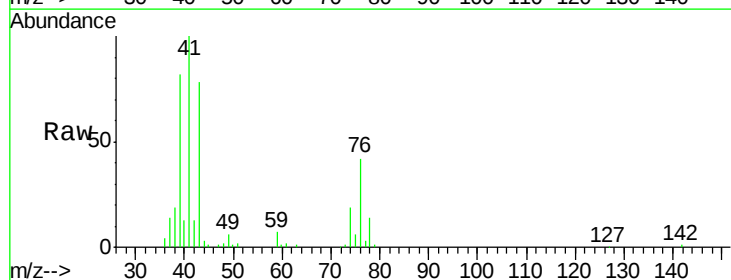
Tgt Ion: 41 Resp: 177587

Ion Ratio Lower Upper

41 100

39 74.5 67.8 101.8

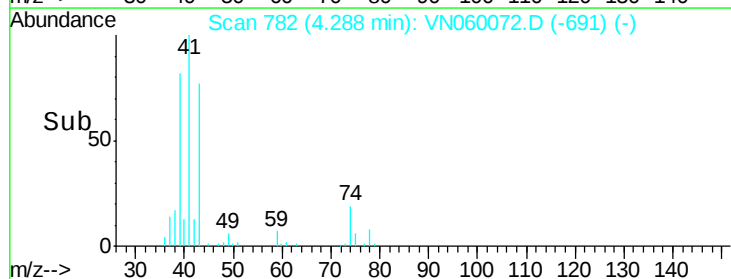
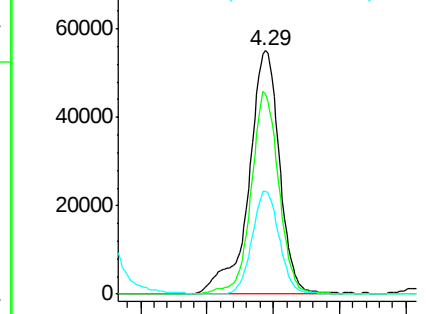
76 37.3 33.9 50.9

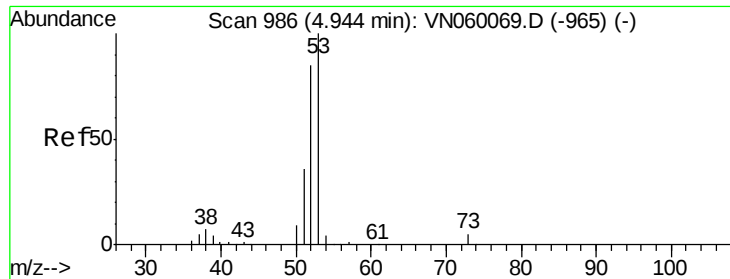


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 280.525 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

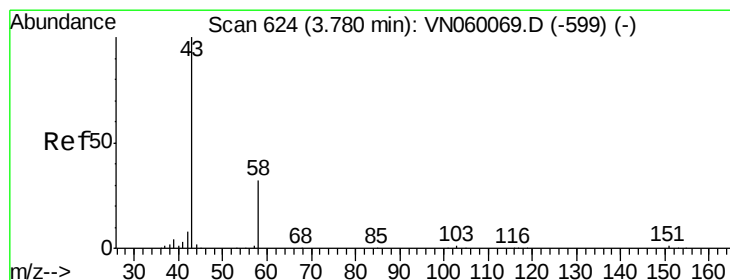
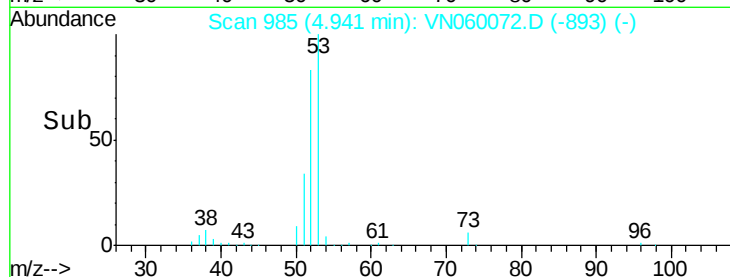
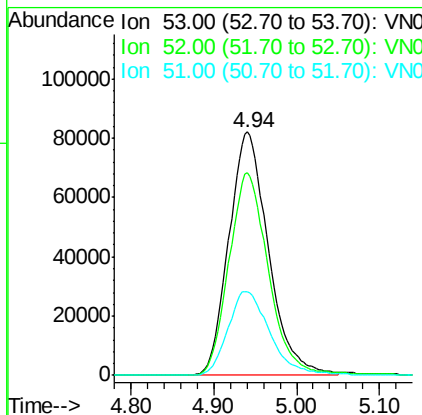
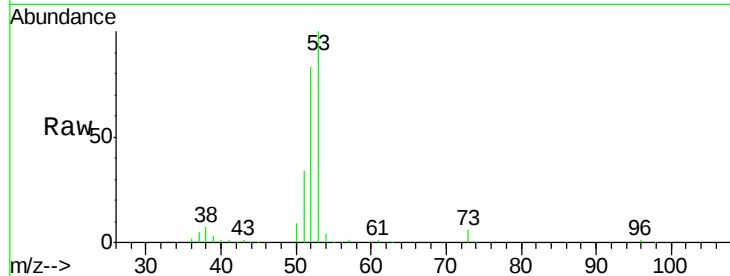
ClientSampleId :

ICVVN021220

Tot Ion:	53	Resp:	272439
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.8	100.2
51	36.4	29.4	44.0

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#16

Acetone

Concen: 241.270 ug/l

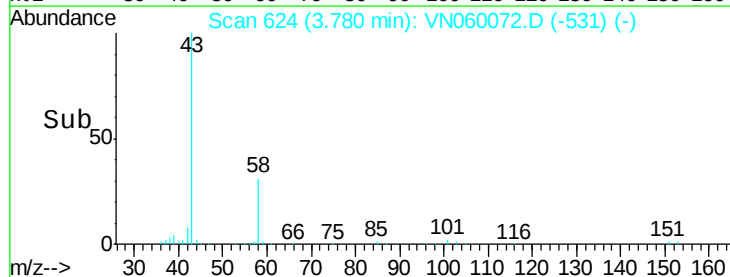
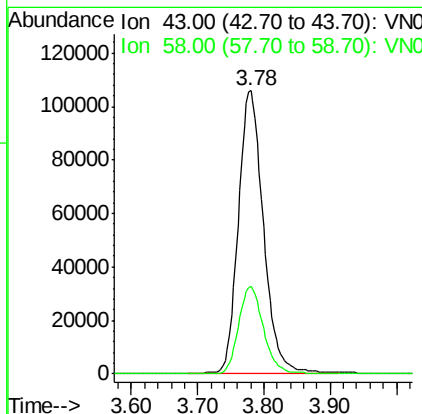
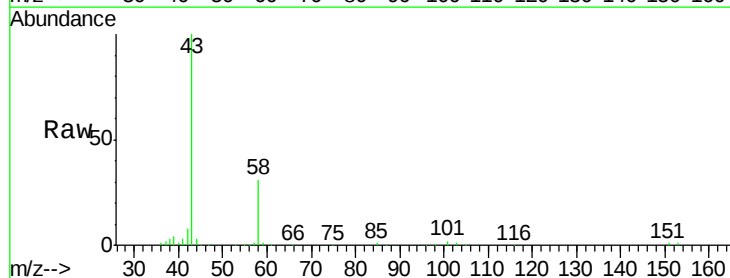
RT: 3.78 min Scan# 624

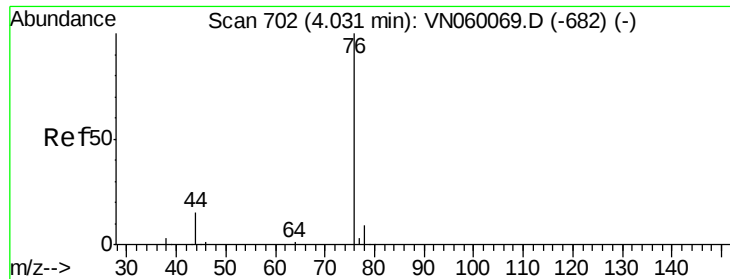
Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	43	Resp:	279673
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.2	37.8





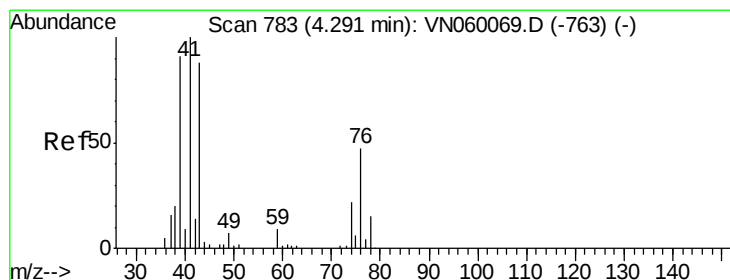
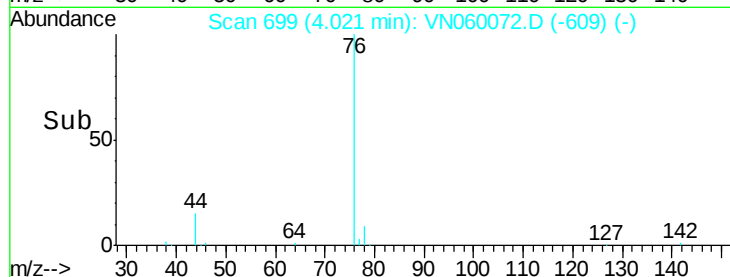
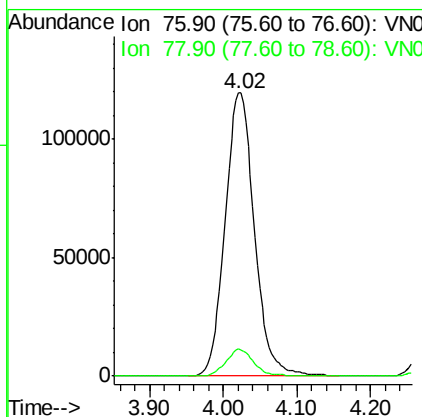
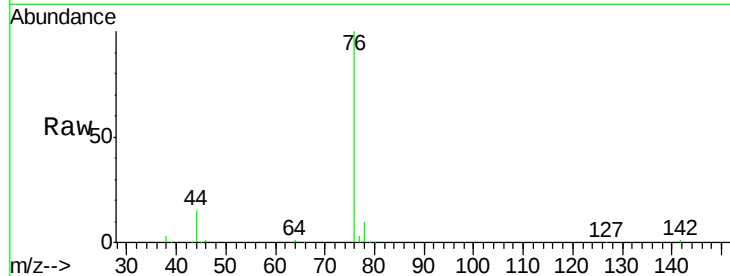
#17
Carbon Disulfide
Concen: 53.166 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.6

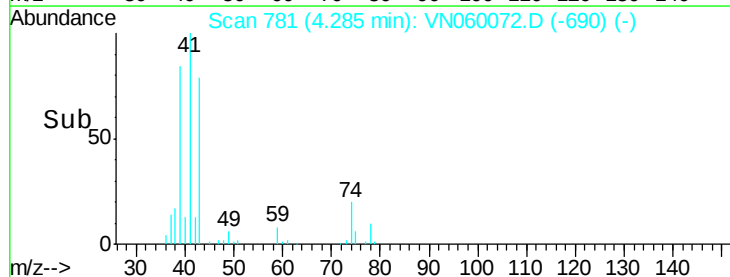
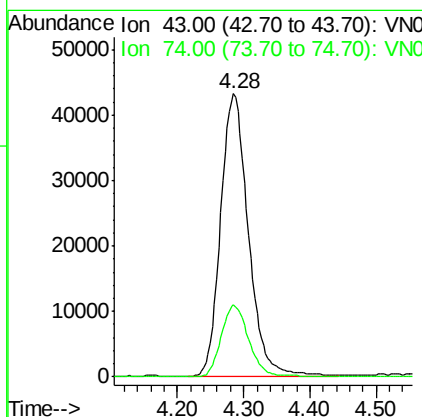
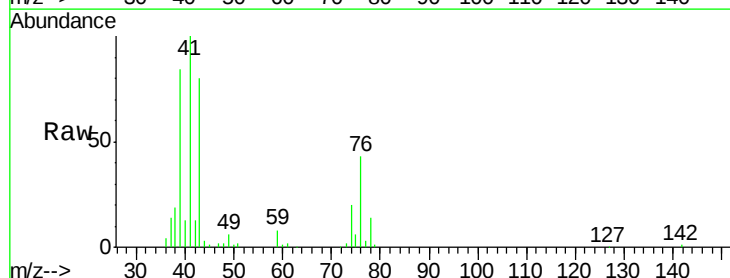
Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#18
Methyl Acetate
Concen: 58.201 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.01 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.3	30.5





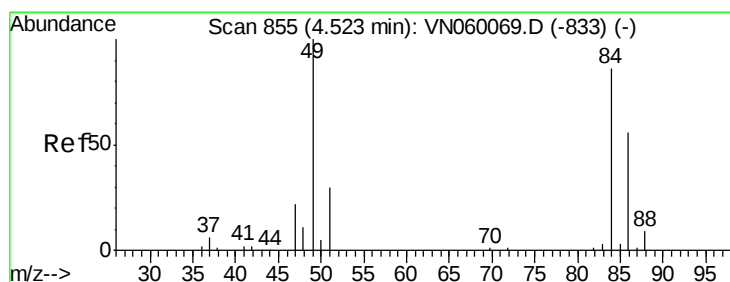
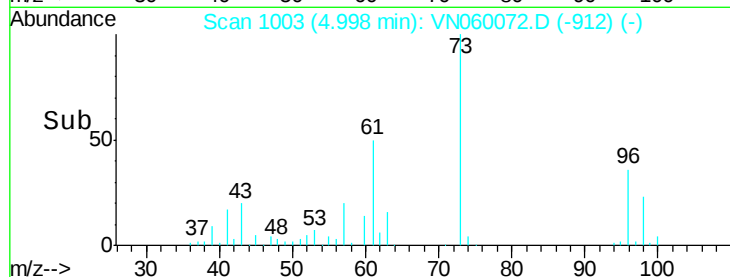
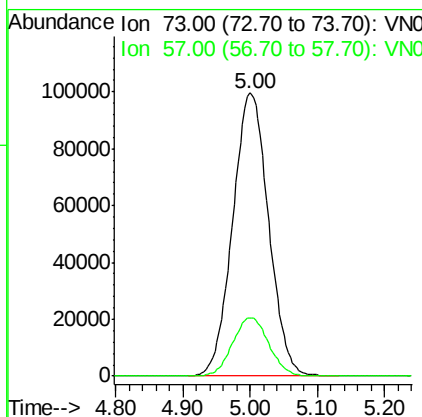
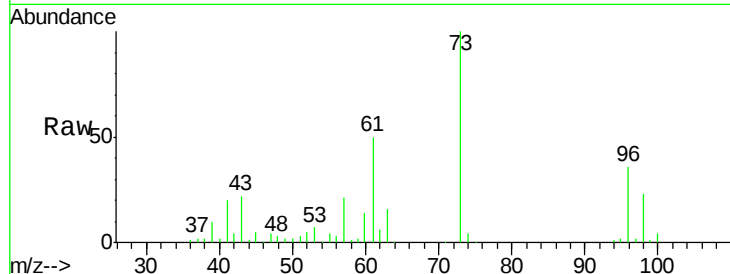
#19
Methvl tert-butvl Ether
Concen: 53.215 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion: 73 Resp: 369512
Ion Ratio Lower Upper
73 100
57 20.7 17.2 25.8

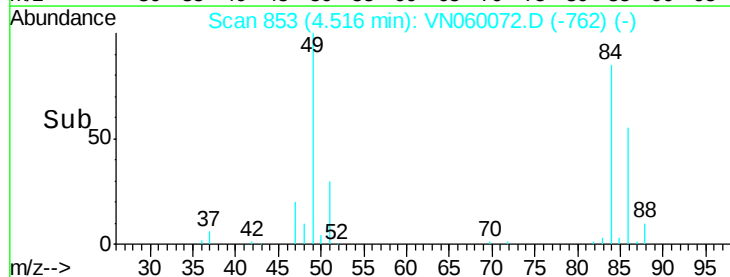
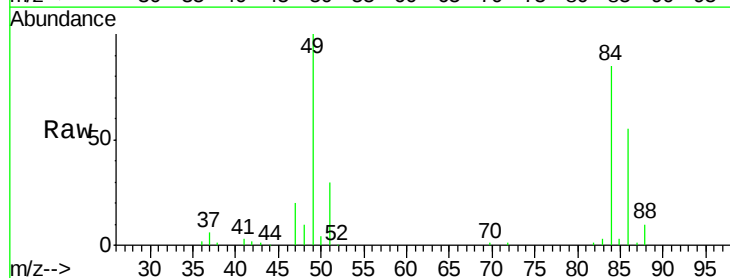
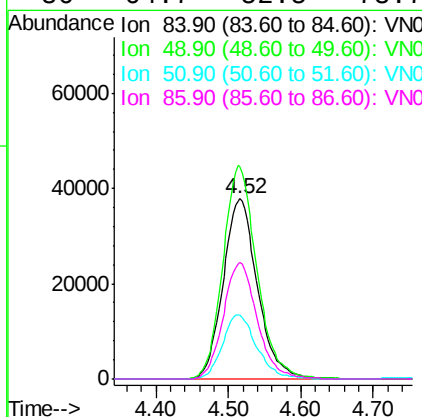
Manual Integrations
APPROVED

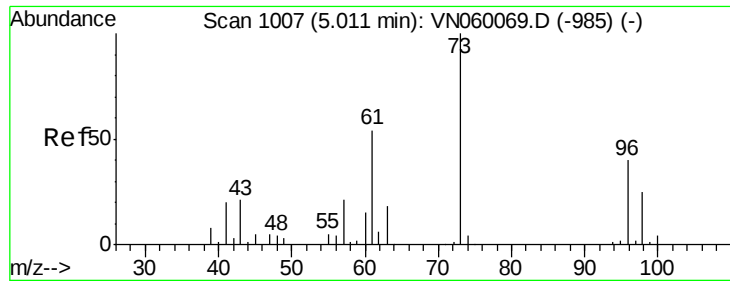
MMDadoda
2/13/2020 10:37:24 AM



#20
Methylene Chloride
Concen: 53.838 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion: 84 Resp: 124508
Ion Ratio Lower Upper
84 100
49 118.3 93.4 140.0
51 35.4 28.4 42.6
86 64.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 52.708 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

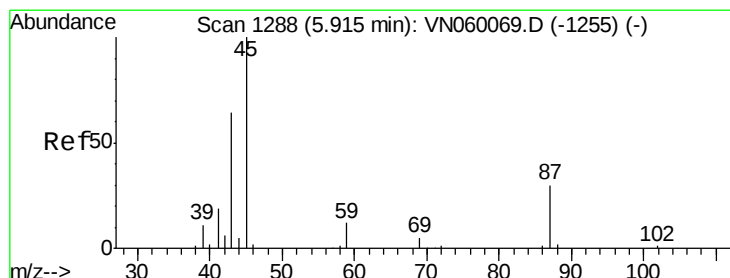
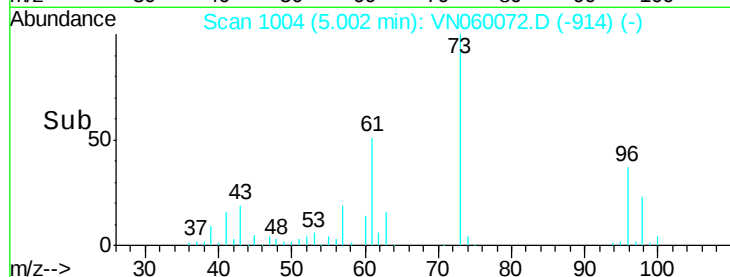
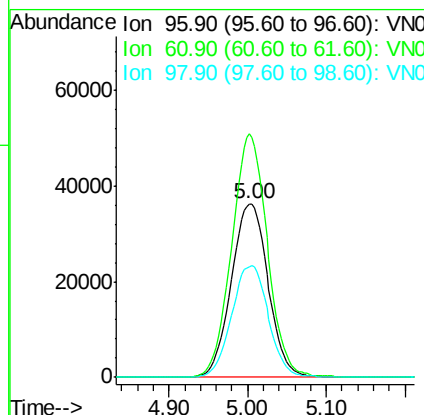
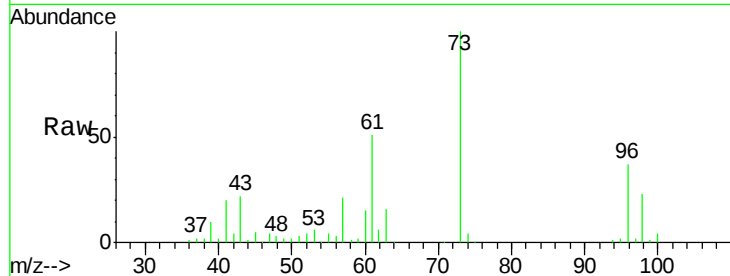
ClientSampleId :

ICVVN021220

Tot Ion:	96	Resp:	118636
Ion	Ratio	Lower	Upper
96	100		
61	140.5	109.3	163.9
98	64.0	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#22

Diisopropyl ether

Concen: 53.976 ug/l

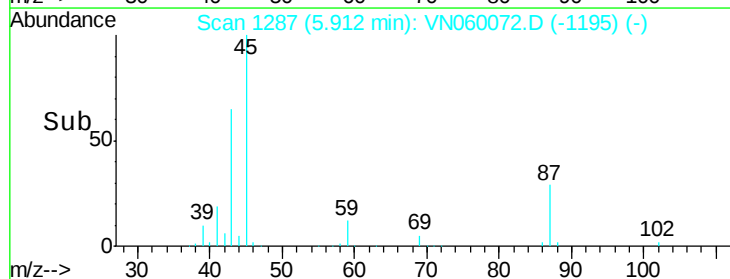
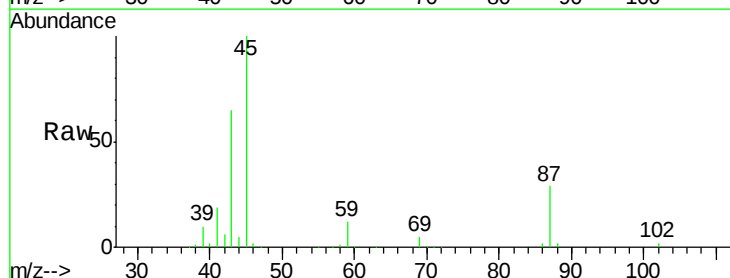
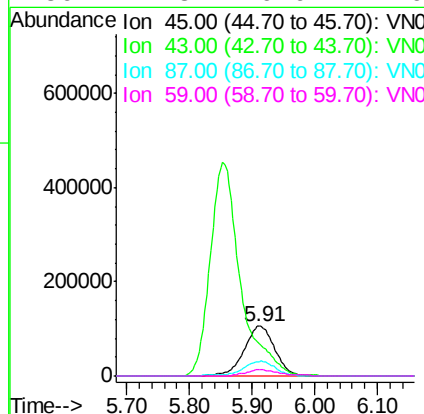
RT: 5.91 min Scan# 1287

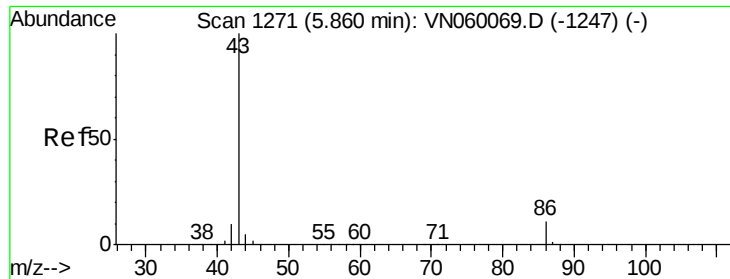
Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	45	Resp:	359504
Ion	Ratio	Lower	Upper
45	100		
43	63.6	55.9	83.9
87	29.4	24.5	36.7
59	12.3	9.9	14.9





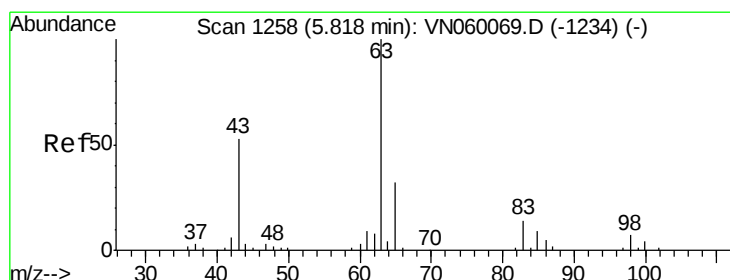
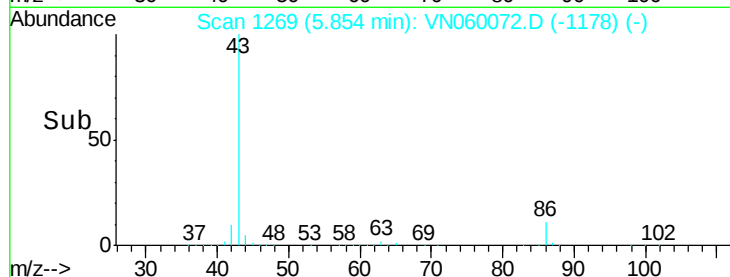
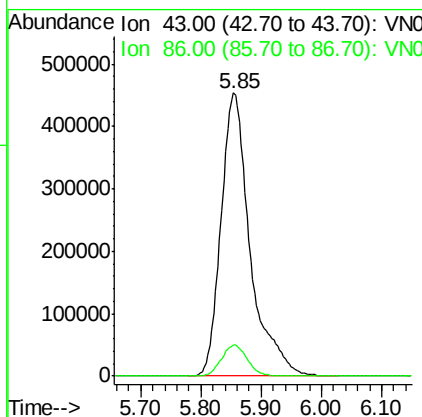
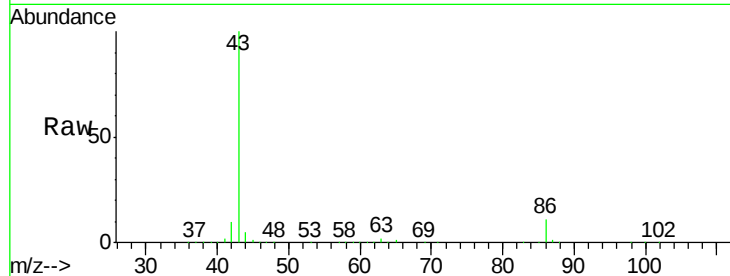
#23
 Vinyl Acetate
 Concen: 272.534 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN021220

Tot Ion: 43 Resp: 1524350
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3

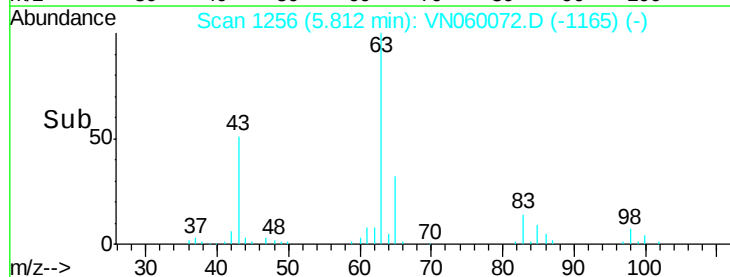
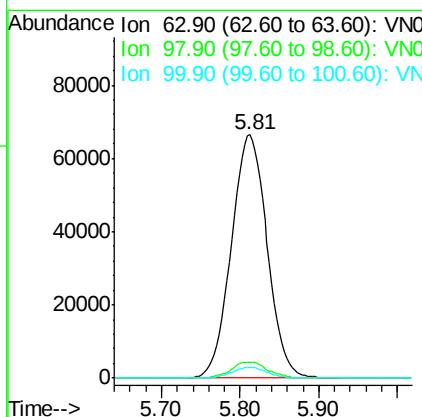
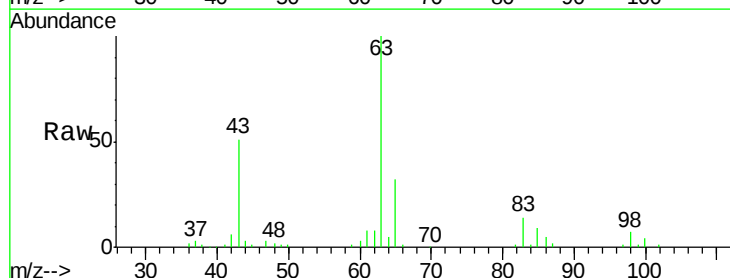
Manual Integrations
 APPROVED

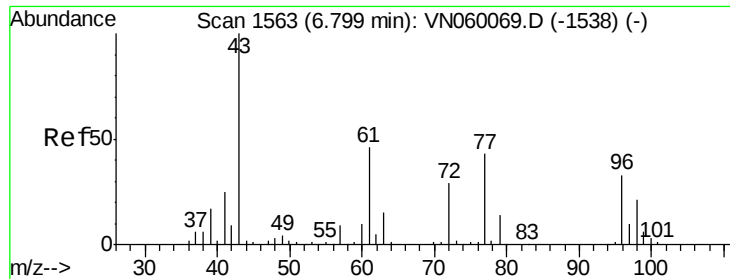
MMDadoda
 2/13/2020 10:37:24 AM



#24
 1,1-Dichloroethane
 Concen: 52.478 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Tgt Ion: 63 Resp: 211739
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 266.474 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

ICVVN021220

Tot Ion: 43 Resp: 388482

Ion Ratio Lower Upper

43 100

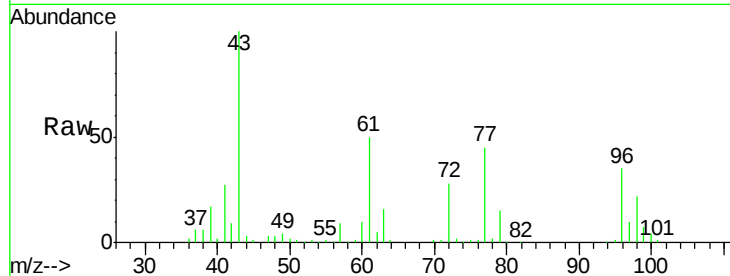
72 28.3 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)

150000

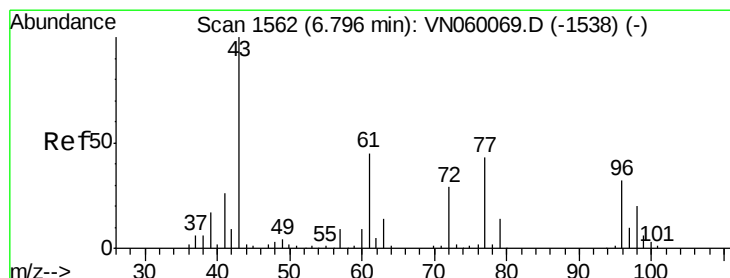
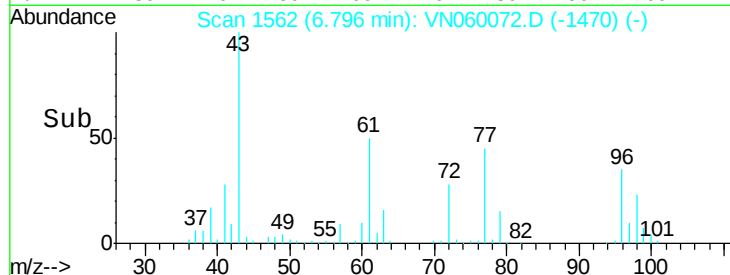
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 52.751 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060072.D

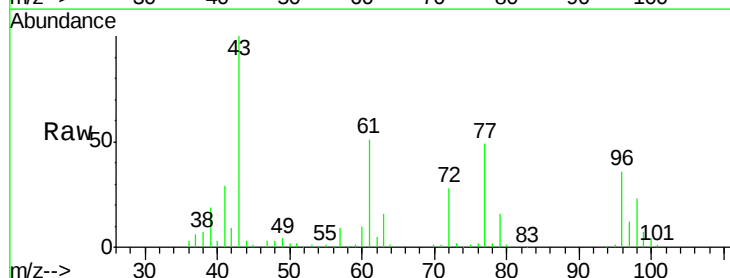
Acq: 12 Feb 2020 14:04

Tgt Ion: 77 Resp: 202160

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060069.D (-1538) (-)

60000

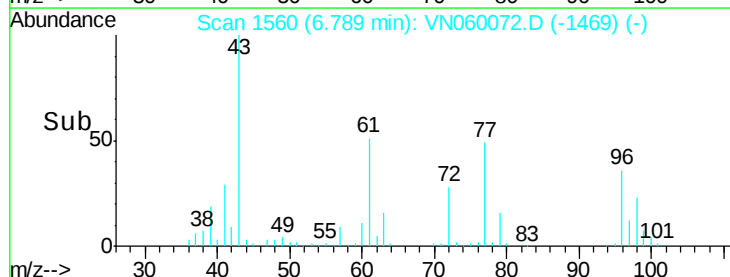
40000

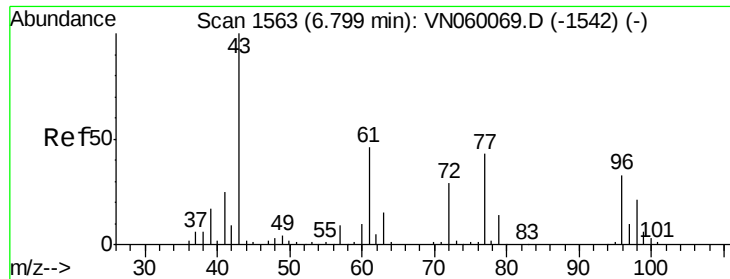
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.927 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

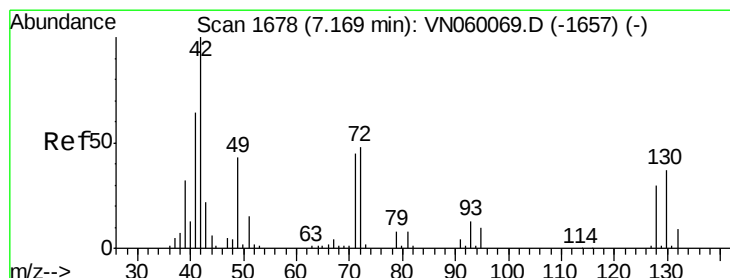
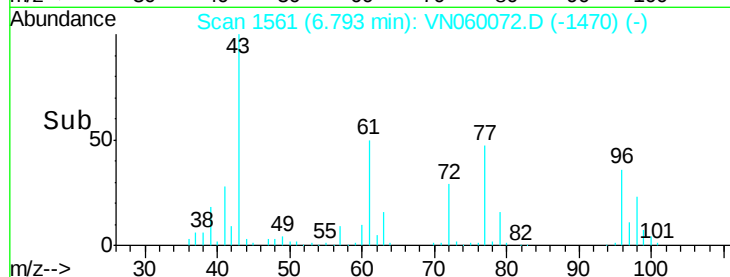
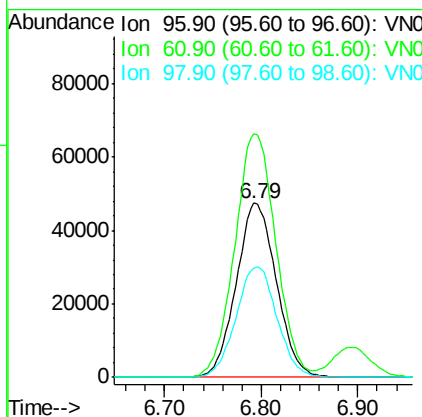
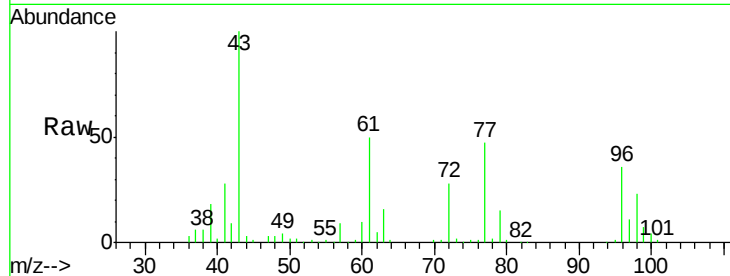
ClientSampleId :

ICVVN021220

Tot Ion:	96	Resp:	136783
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	285.8
98	64.8	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#28

Bromochloromethane

Concen: 49.169 ug/l

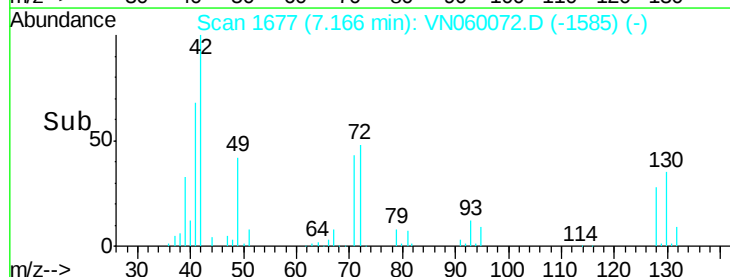
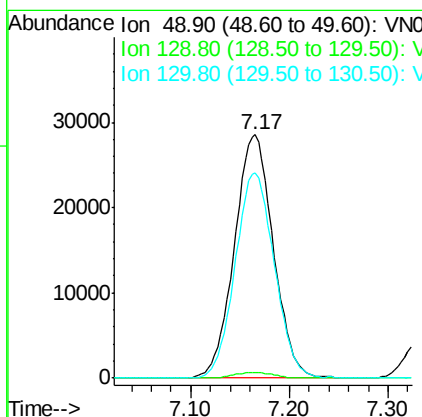
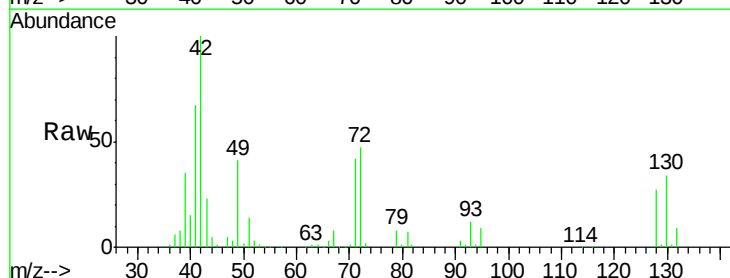
RT: 7.17 min Scan# 1677

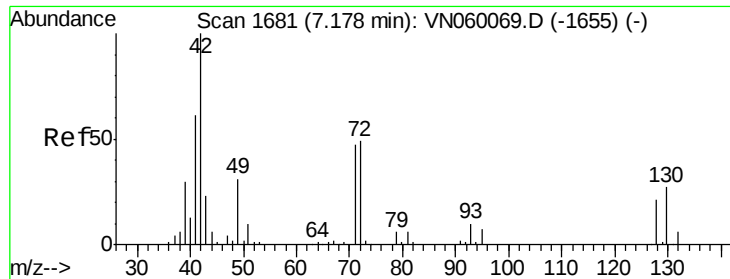
Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	49	Resp:	77994
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.2#
130	84.9	66.8	100.2





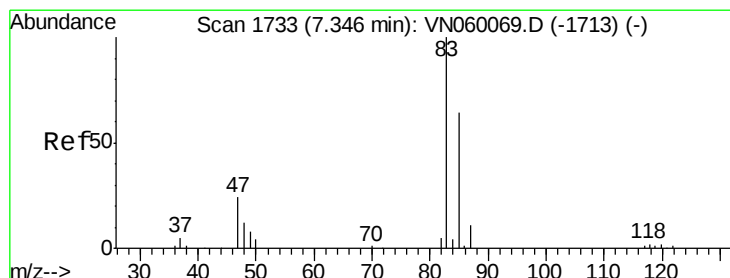
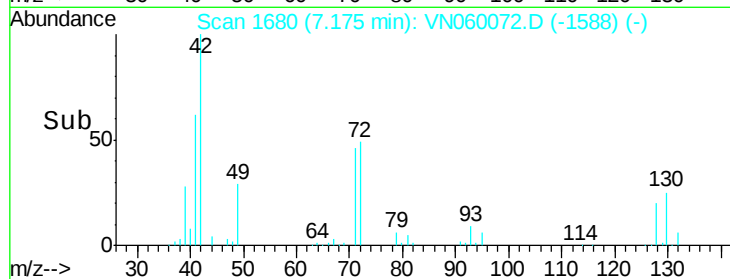
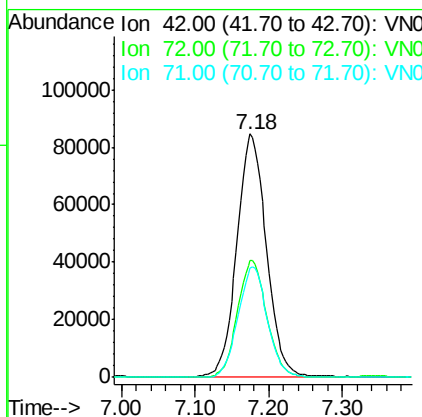
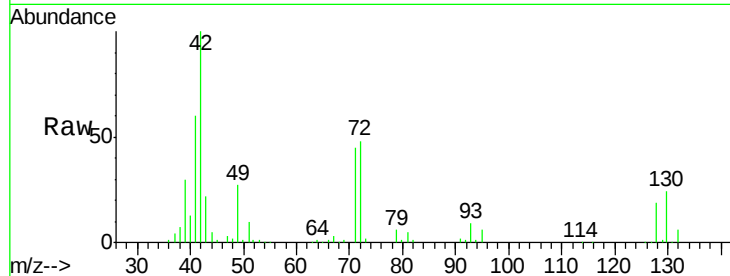
#29
Tetrahydrofuran
Concen: 265.507 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	38.2	57.4
71	44.7	36.6	54.8

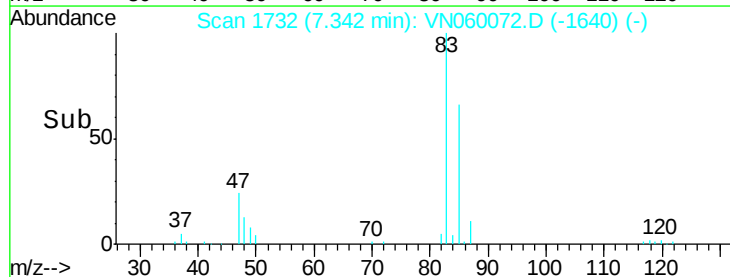
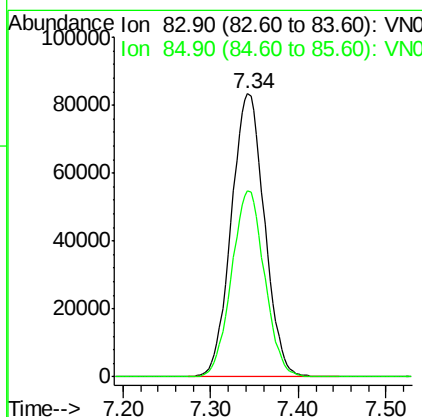
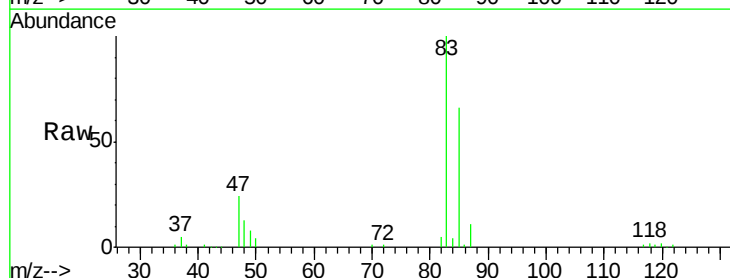
Manual Integrations
APPROVED

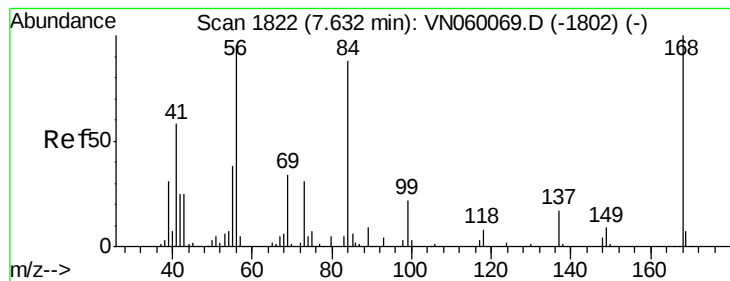
MMDadoda
2/13/2020 10:37:24 AM



#30
Chloroform
Concen: 51.999 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.0





#31

Cyclohexane

Concen: 51.191 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

ICVVN021220

Tot Ion: 56 Resp: 192406

Ion Ratio Lower Upper

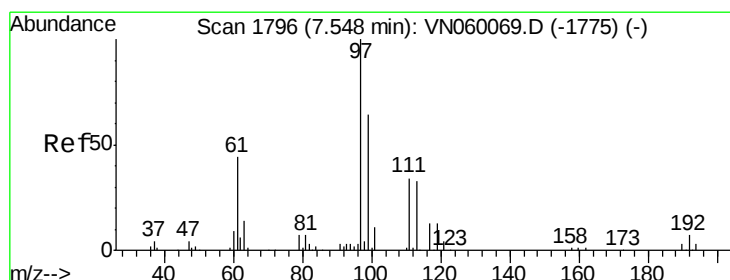
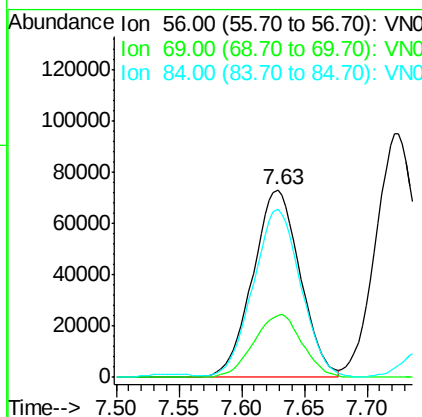
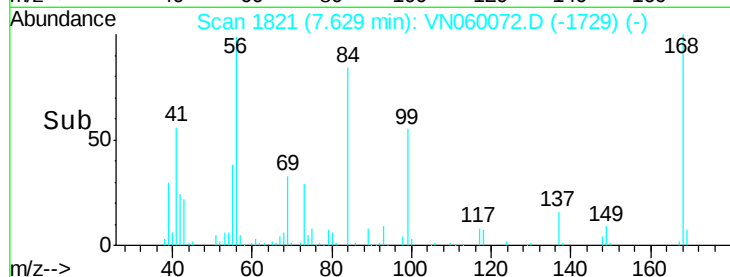
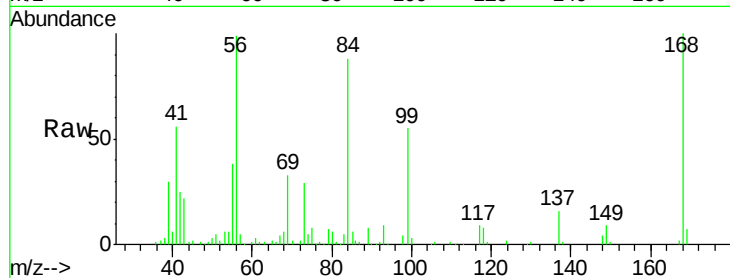
56 100

69 33.2 28.3 42.5

84 87.8 72.6 108.8

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#32

1,1,1-Trichloroethane

Concen: 52.471 ug/l

RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

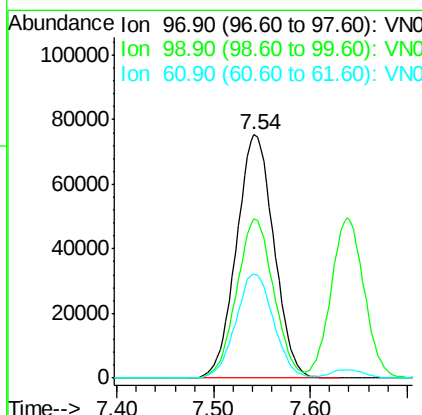
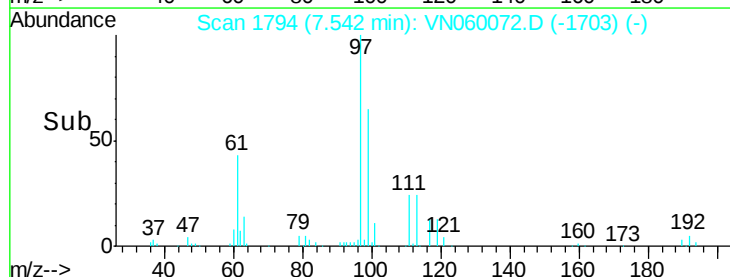
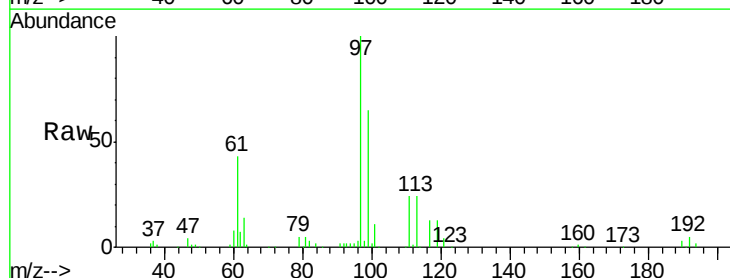
Tgt Ion: 97 Resp: 202663

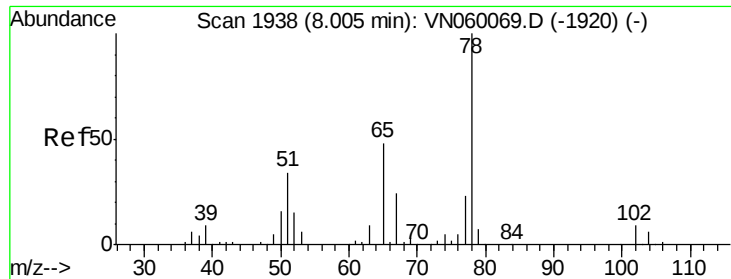
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 43.1 34.9 52.3





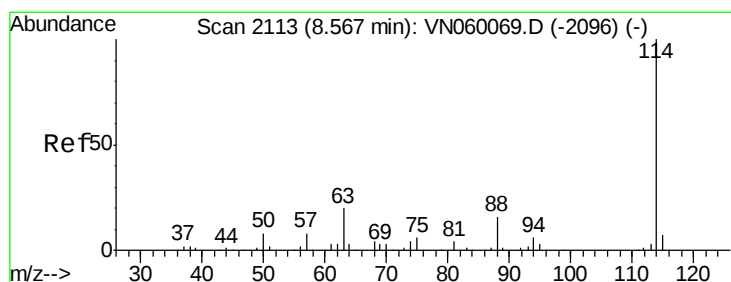
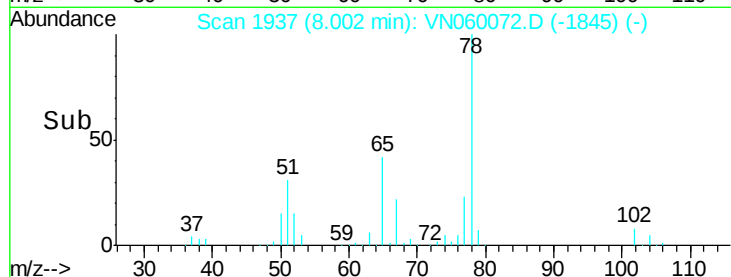
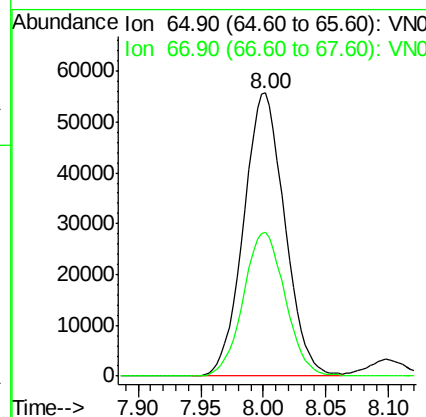
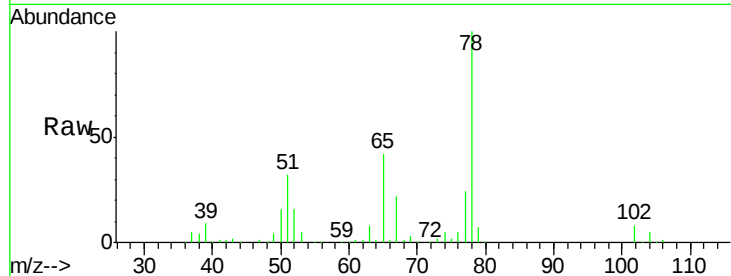
#33
 1,2-Dichloroethane-d4
 Concen: 47.862 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN021220

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127191		
67	51.6	0.0	104.0	

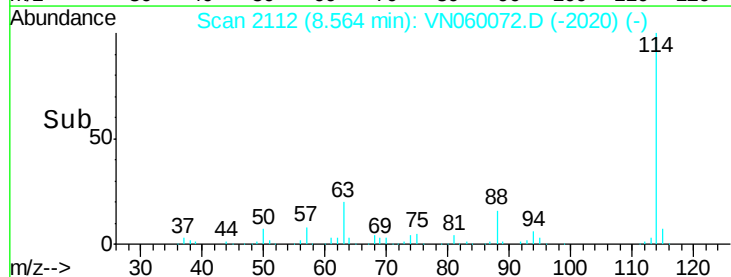
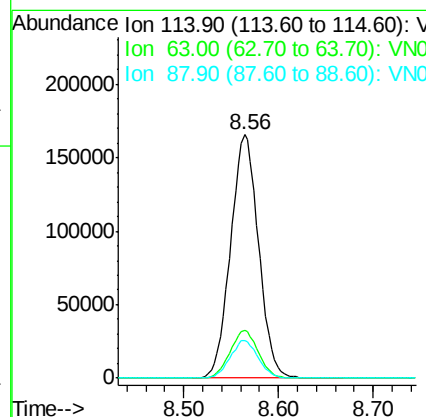
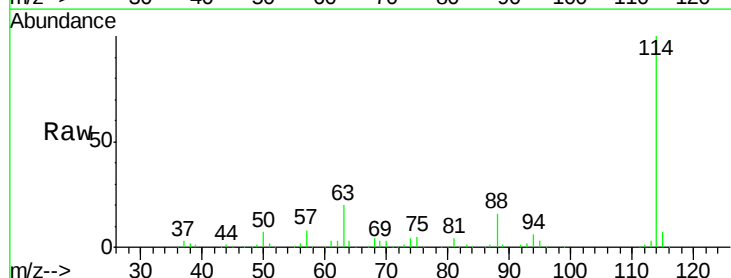
Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:37:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	340777		
63	19.6	0.0	40.0	
88	15.6	0.0	31.6	





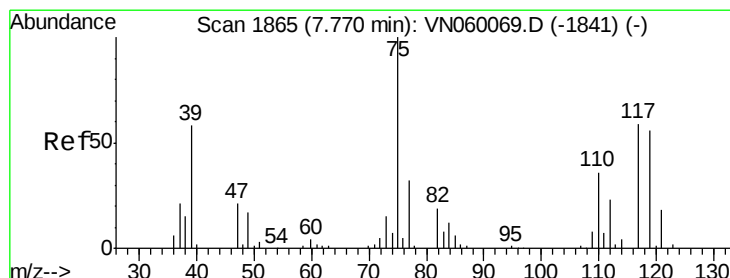
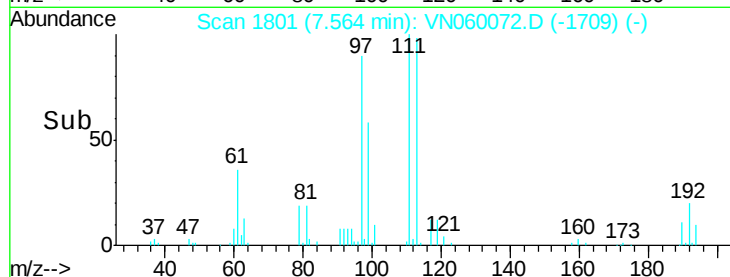
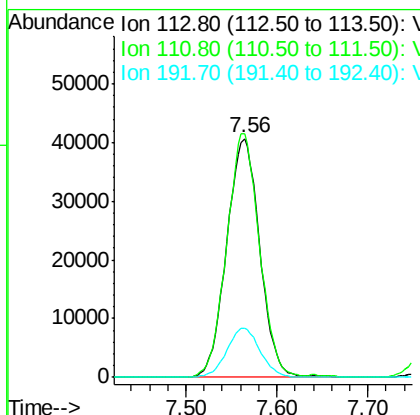
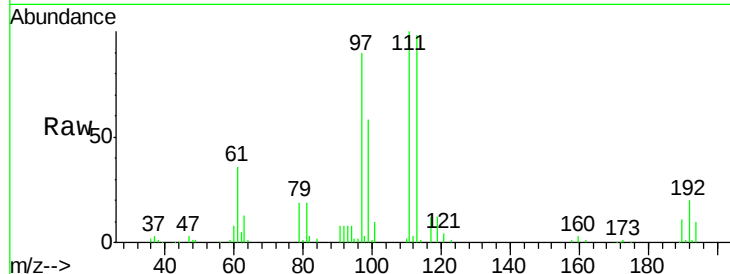
#35
Dibromofluoromethane
Concen: 49.150 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102958		
111	100.8	81.4	122.2	
192	20.5	16.2	24.2	

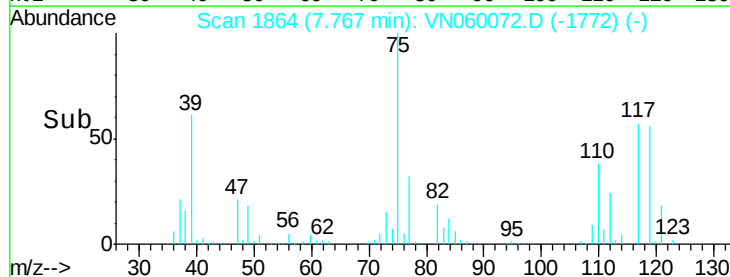
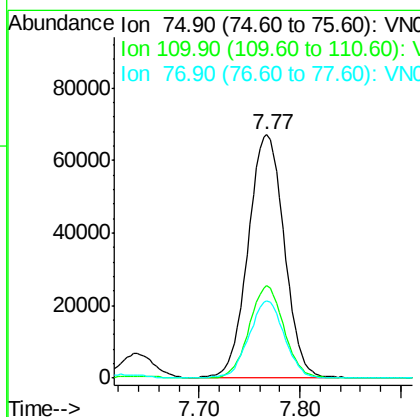
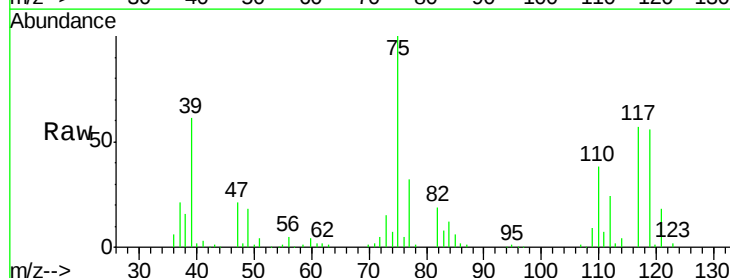
Manual Integrations
APPROVED

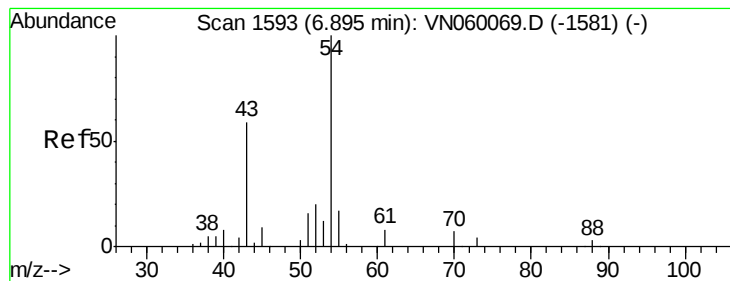
MMDadoda
2/13/2020 10:37:24 AM



#36
1,1-Dichloropropene
Concen: 52.796 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166647		
110	36.3	18.1	54.3	
77	31.2	25.1	37.7	





#37

Ethyl Acetate

Concen: 53.549 ug/l

RT: 6.89 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

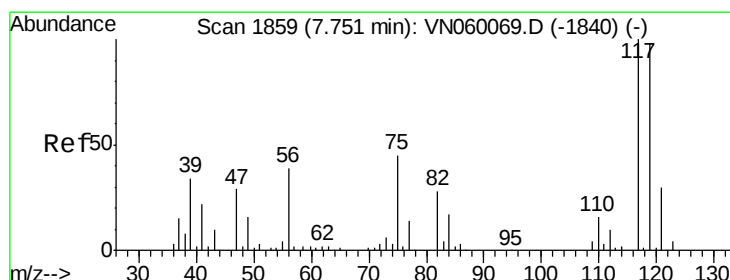
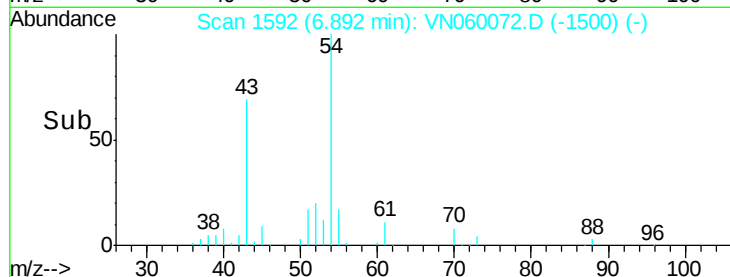
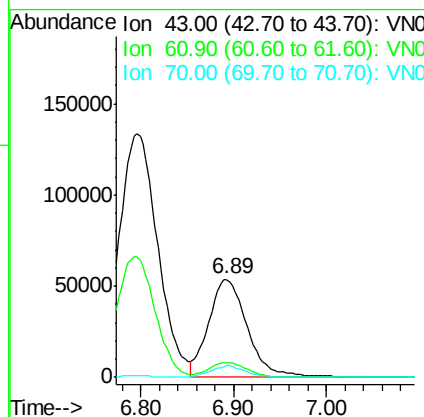
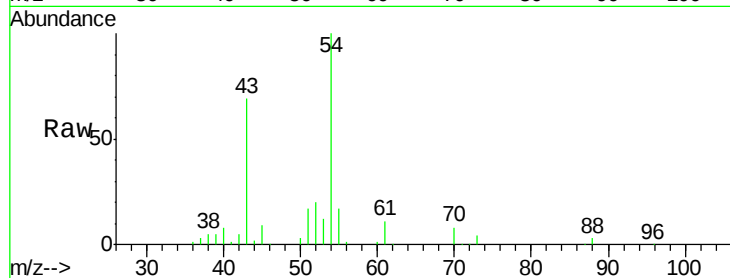
ClientSampleId :

ICVVN021220

Tot Ion:	43	Resp:	152758
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.4	17.2
70	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#38

Carbon Tetrachloride

Concen: 52.012 ug/l

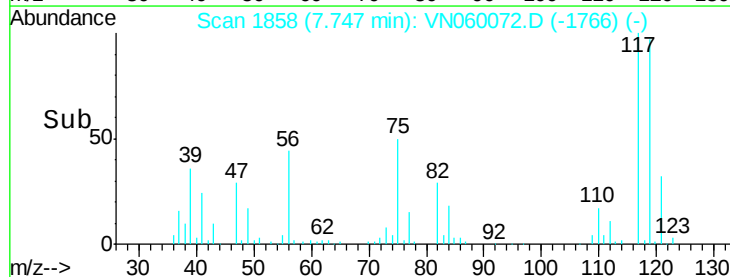
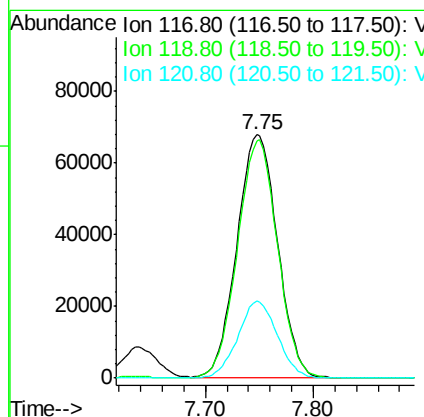
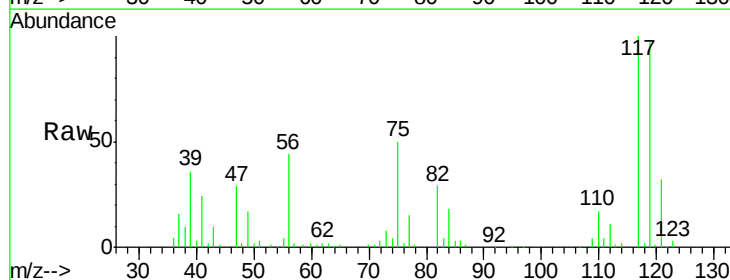
RT: 7.75 min Scan# 1858

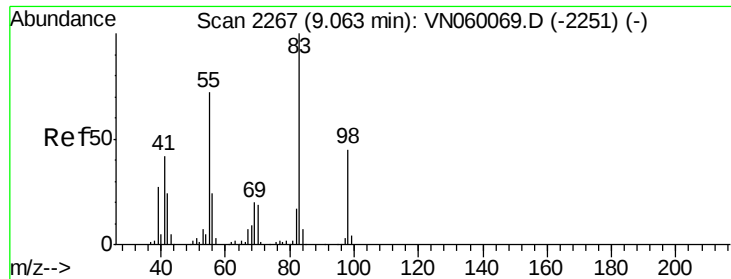
Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	117	Resp:	178299
Ion	Ratio	Lower	Upper
117	100		
119	97.5	78.2	117.4
121	31.7	24.2	36.2





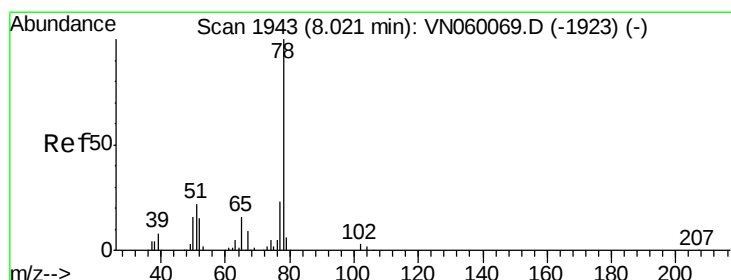
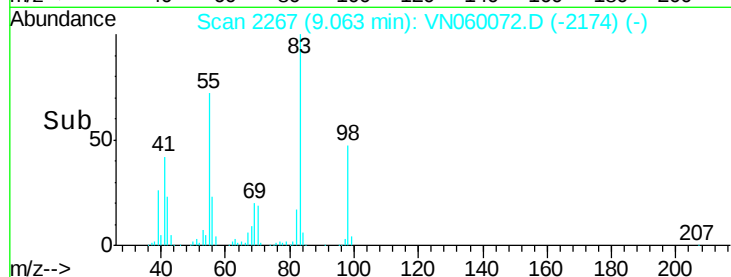
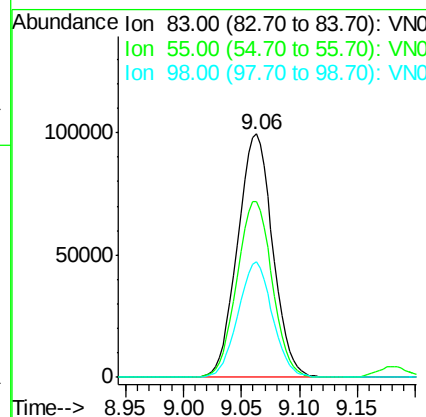
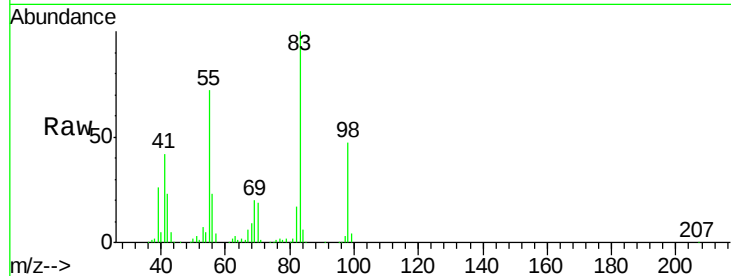
#39
Methvlcvclohexane
Concen: 53.403 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.8	86.8
98	47.3	36.4	54.6

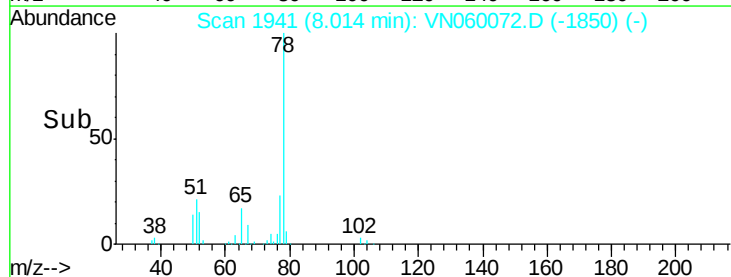
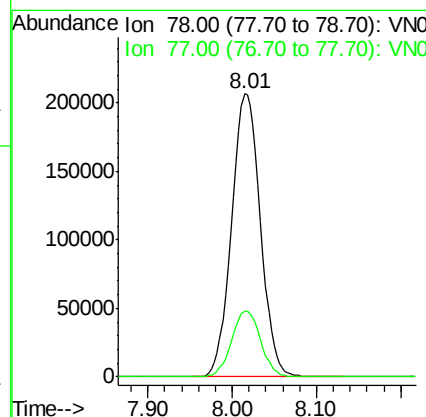
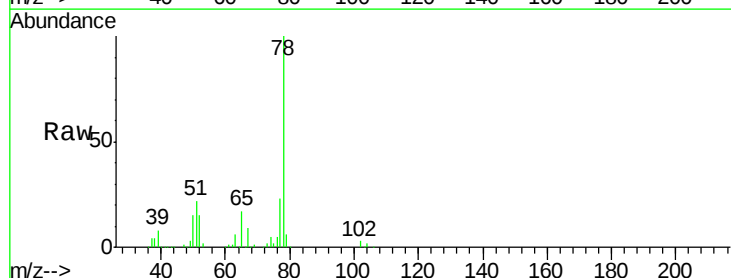
Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#40
Benzene
Concen: 52.354 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





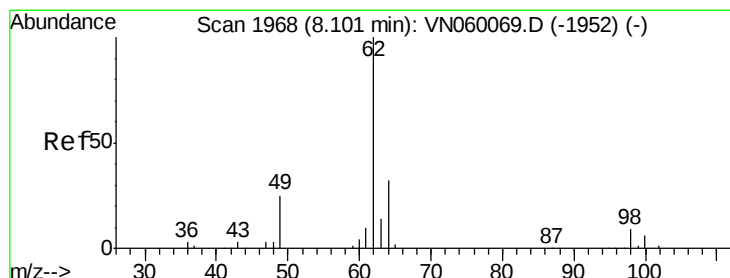
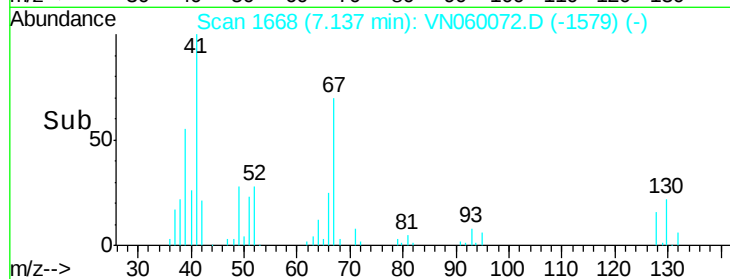
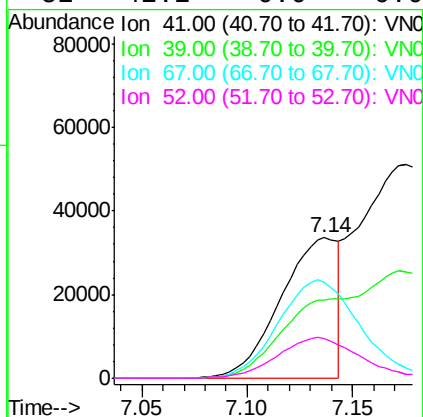
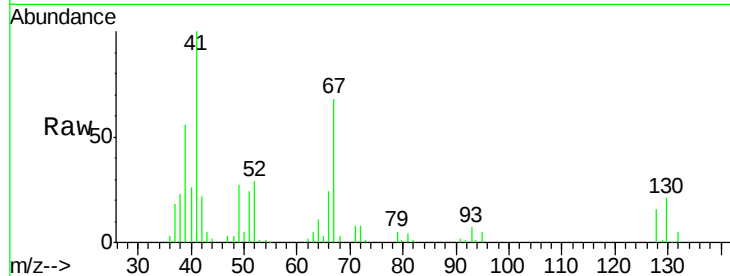
#41
Methacrylonitrile
Concen: 53.032 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		63444		
39	0.0	0.0	0.0		
67	100.5	0.0	0.0		
52	42.2	0.0	0.0		

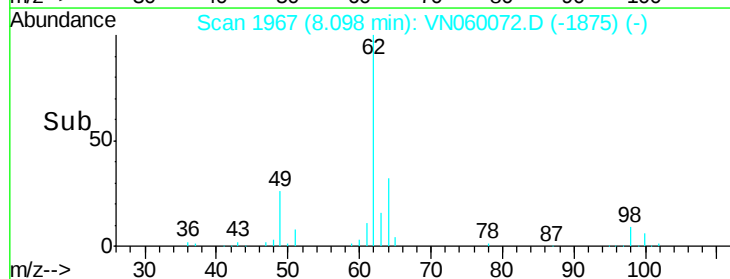
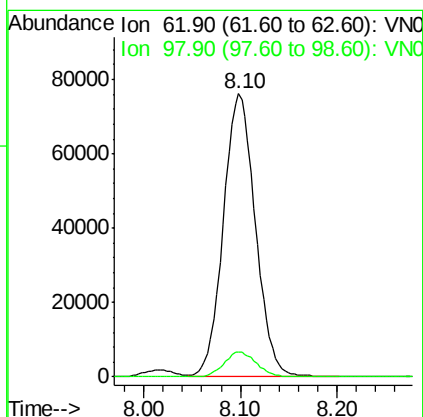
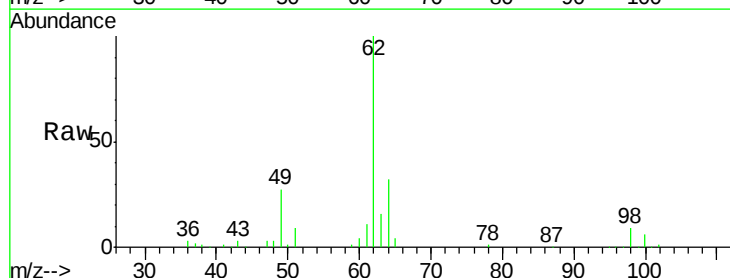
Manual Integrations
APPROVED

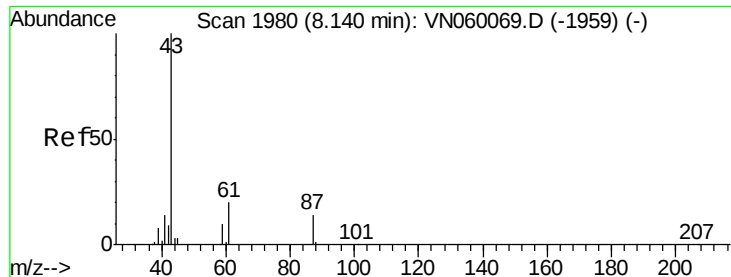
MMDadoda
2/13/2020 10:37:24 AM



#42
1,2-Dichloroethane
Concen: 53.479 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		175497		
98	8.8	0.0	18.2		





#43

Isopropyl Acetate

Concen: 53.937 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

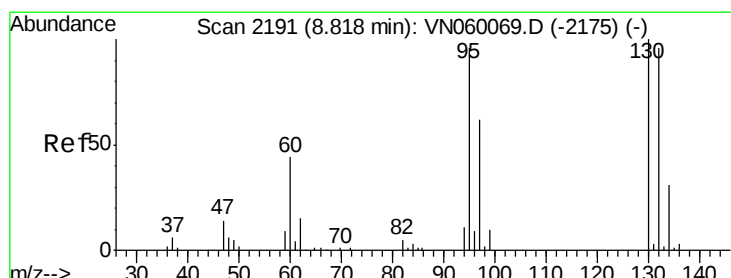
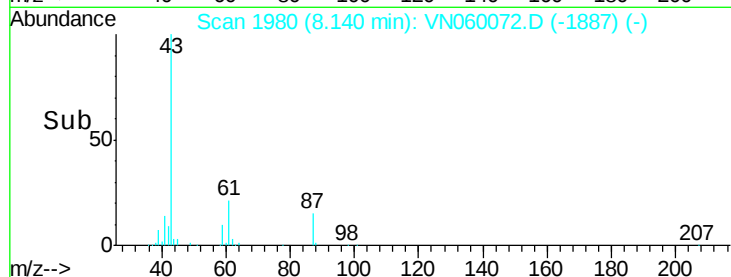
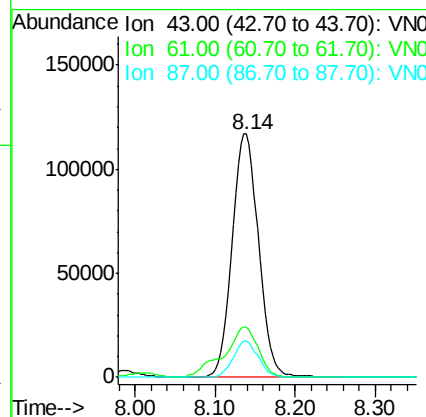
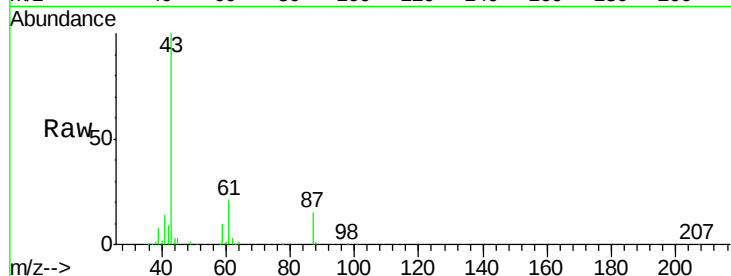
ClientSampleId :

ICVVN021220

Tot Ion:	43	Resp:	263018
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.8	32.6
87	14.1	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#44

Trichloroethene

Concen: 52.009 ug/l

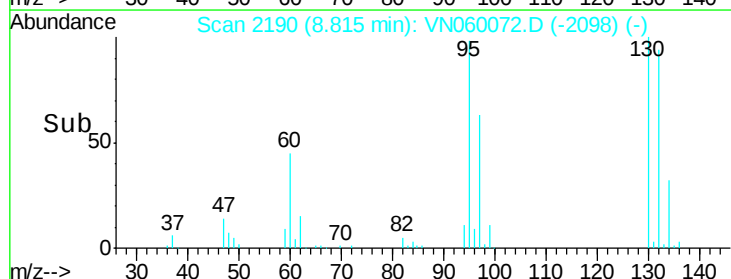
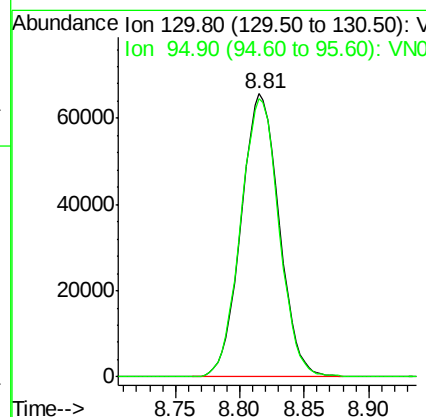
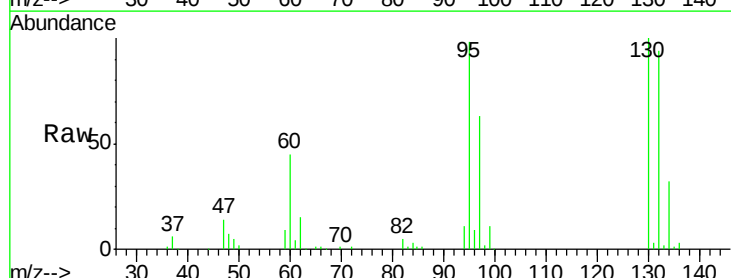
RT: 8.81 min Scan# 2190

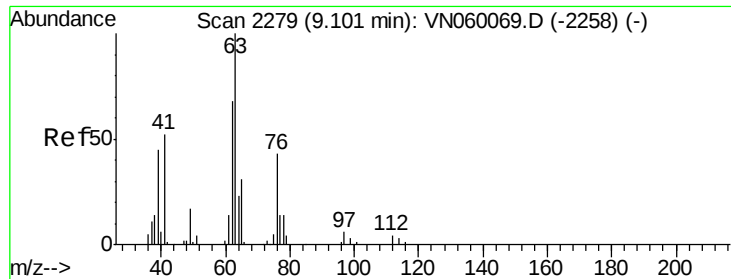
Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	130	Resp:	134837
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	192.4





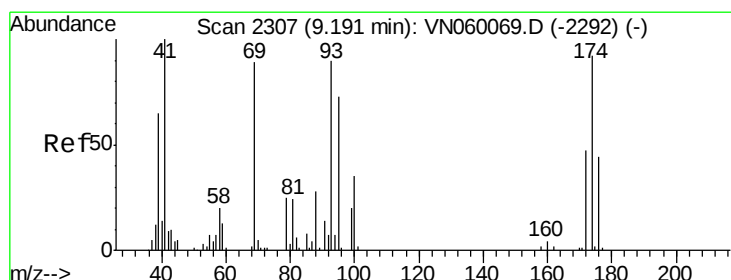
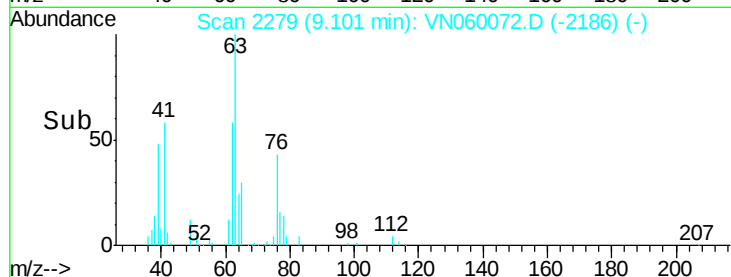
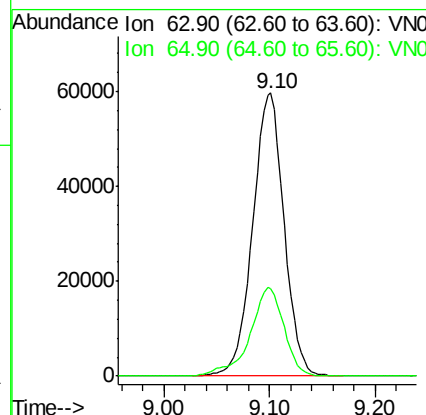
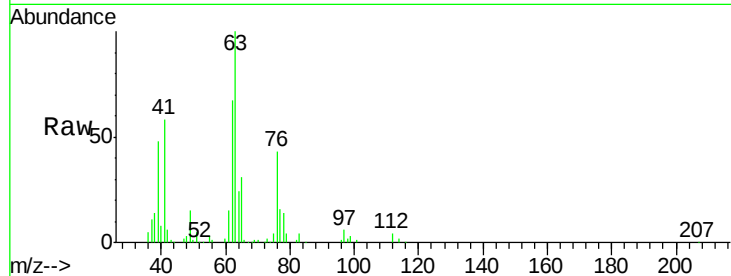
#45
 1,2-Dichloropropane
 Concen: 53.356 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN021220

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.0	37.4

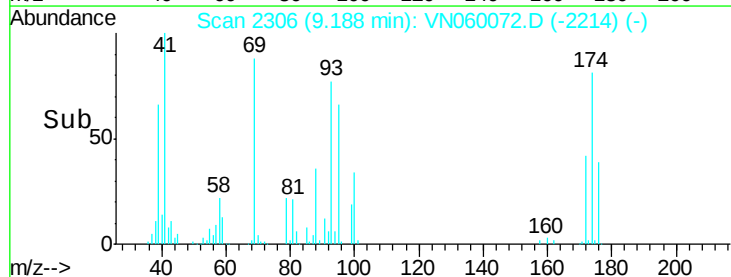
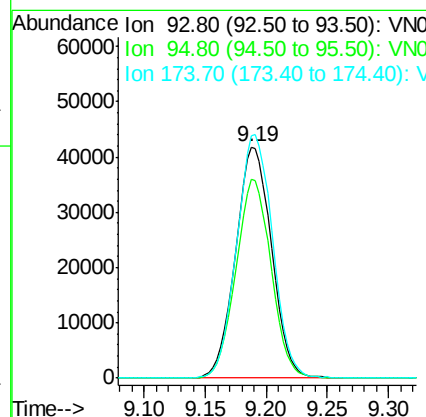
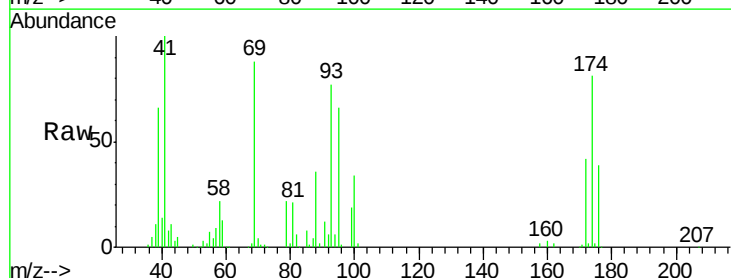
Manual Integrations
 APPROVED

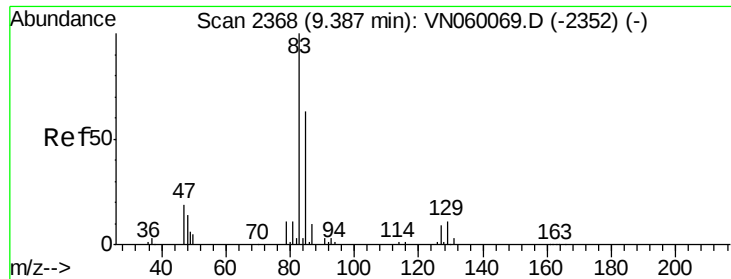
MMDadoda
 2/13/2020 10:37:24 AM



#46
 Dibromomethane
 Concen: 52.179 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.0	97.6
174	105.4	82.3	123.5





#47

Bromodichloromethane

Concen: 53.573 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

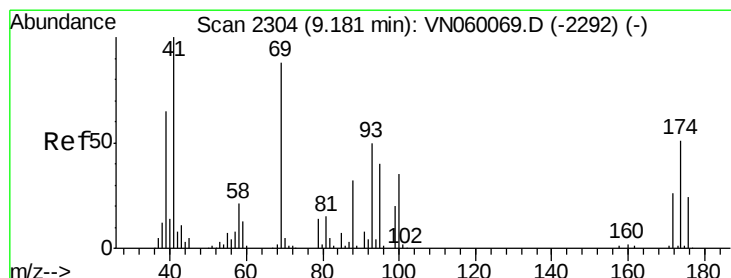
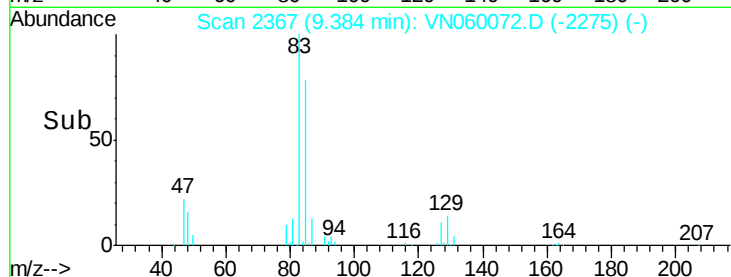
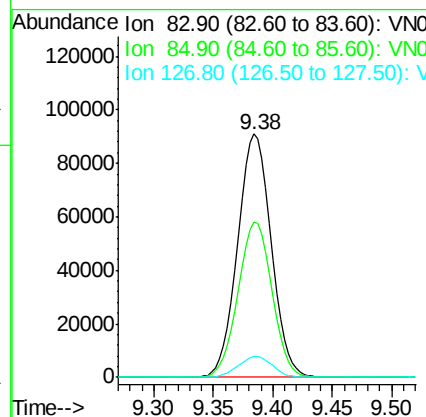
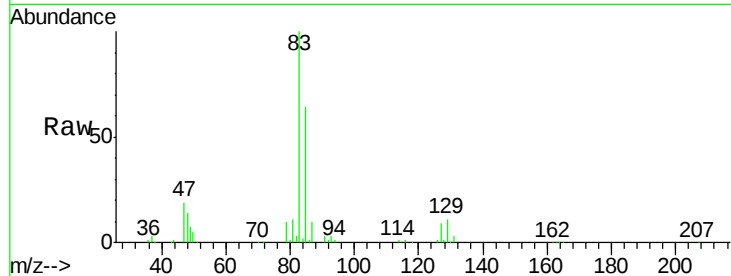
ClientSampleId :

ICVVN021220

Tot Ion:	83	Resp:	178421
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8
127	8.6	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#48

Methyl methacrylate

Concen: 54.540 ug/l

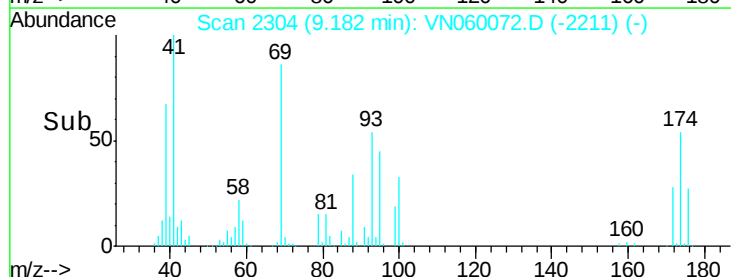
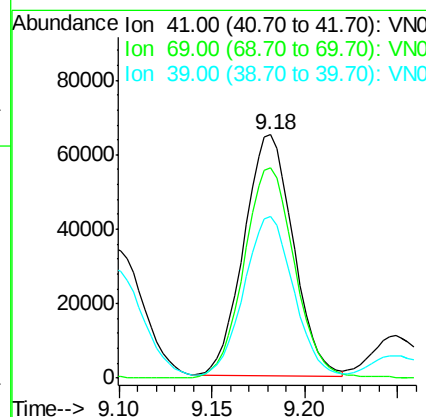
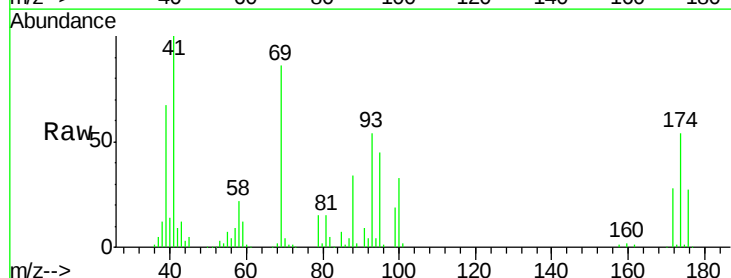
RT: 9.18 min Scan# 2304

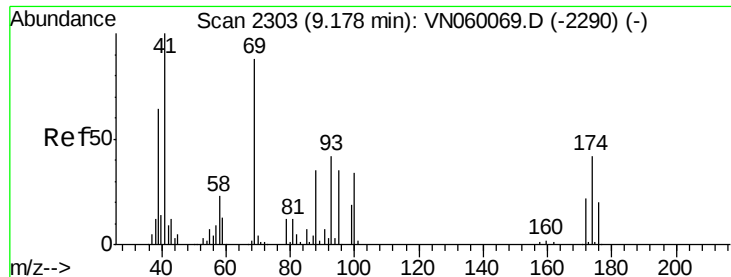
Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	41	Resp:	119328
Ion	Ratio	Lower	Upper
41	100		
69	89.9	72.0	108.0
39	65.5	54.1	81.1





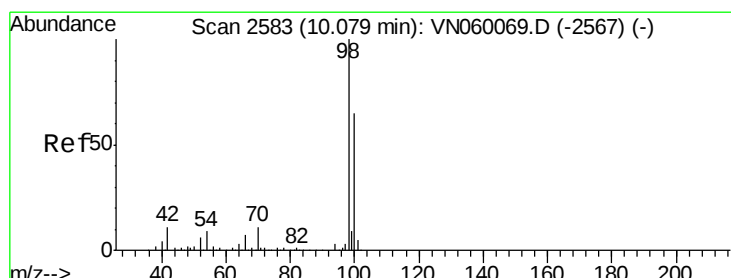
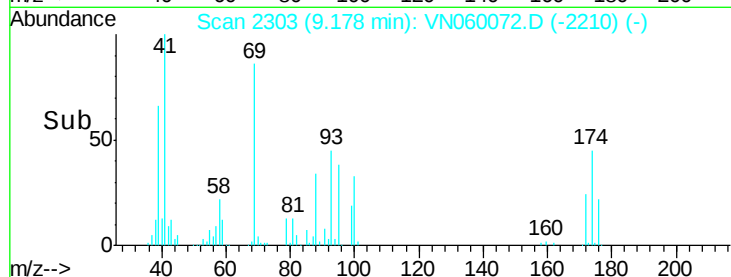
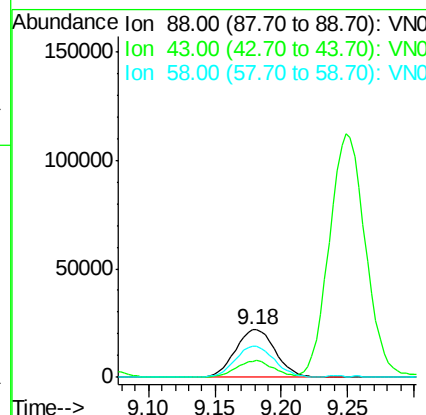
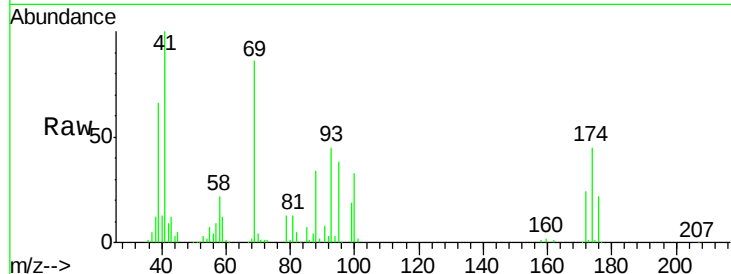
#49
1,4-Dioxane
Concen: 1245.115 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	26.2	39.2
58	64.5	53.2	79.8

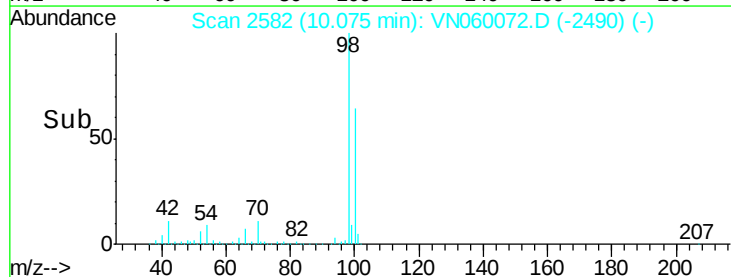
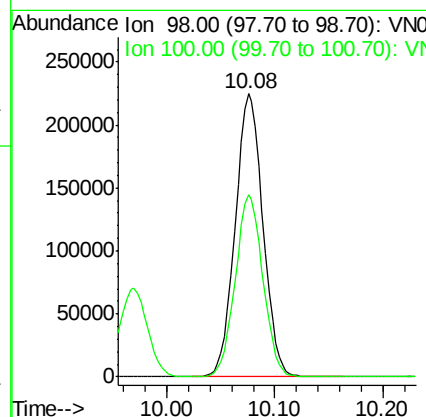
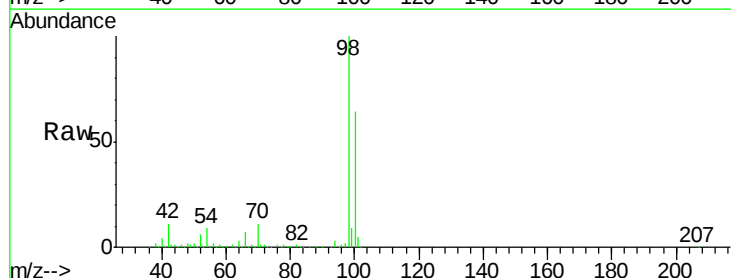
Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#50
Toluene-d8
Concen: 48.733 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 279.709 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

ICVVN021220

Tot Ion: 43 Resp: 789493

Ion Ratio Lower Upper

43 100

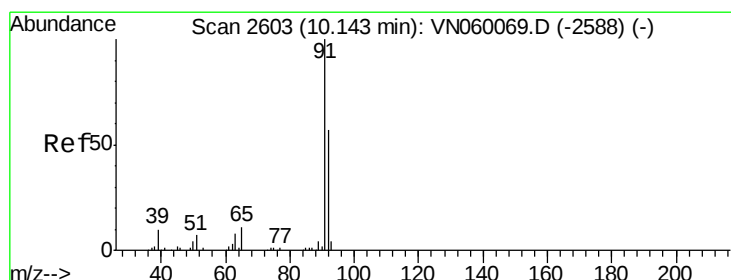
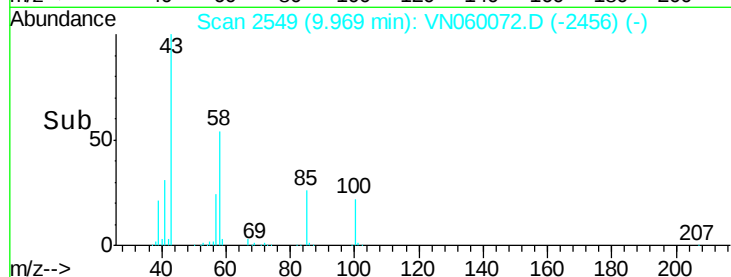
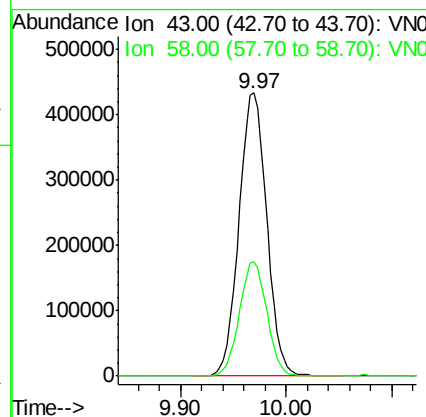
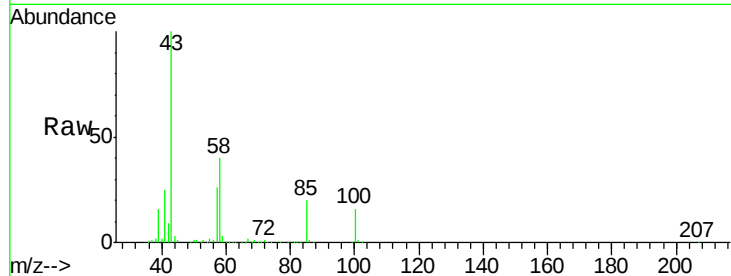
58 40.0 31.8 47.8

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:24 AM



#52

Toluene

Concen: 53.611 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060072.D

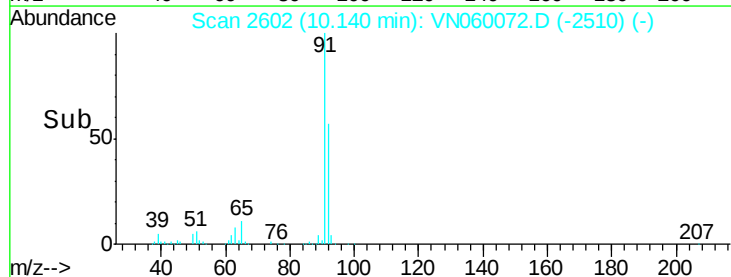
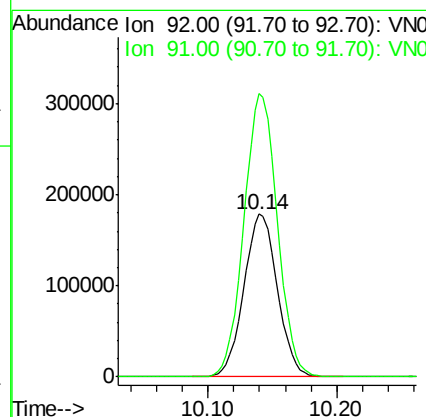
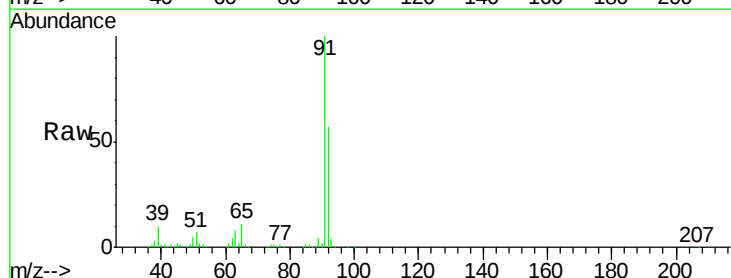
Acq: 12 Feb 2020 14:04

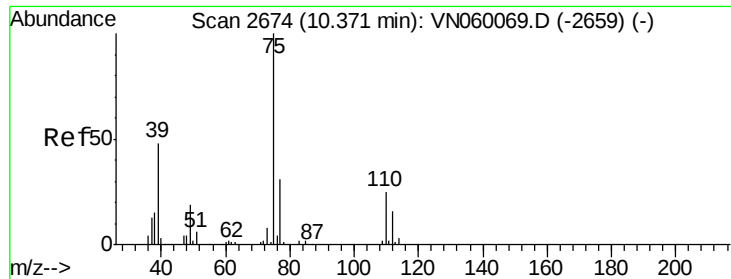
Tgt Ion: 92 Resp: 321894

Ion Ratio Lower Upper

92 100

91 174.3 140.9 211.3





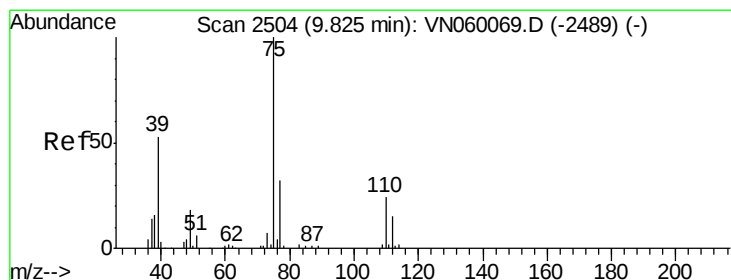
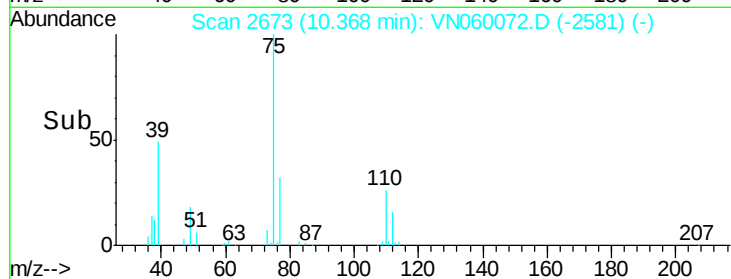
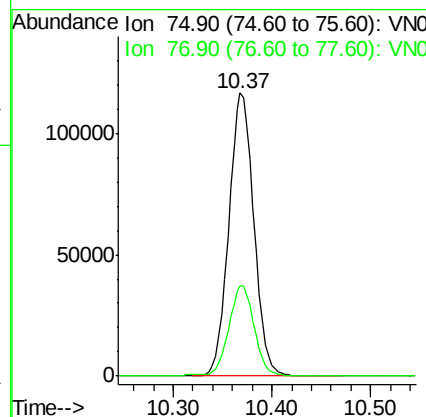
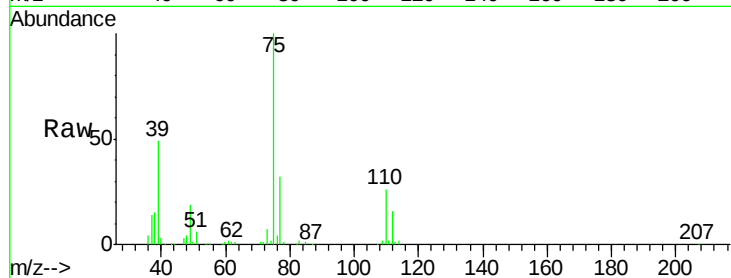
#53
t-1,3-Dichloropropene
Concen: 55.058 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampled :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0

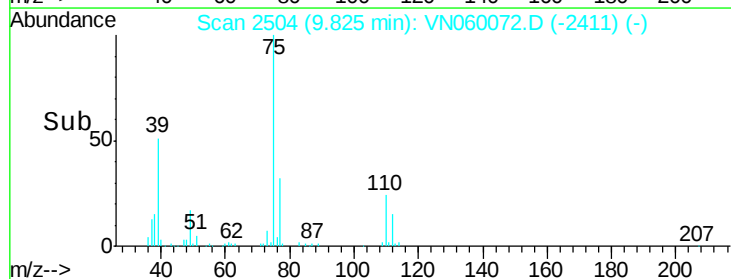
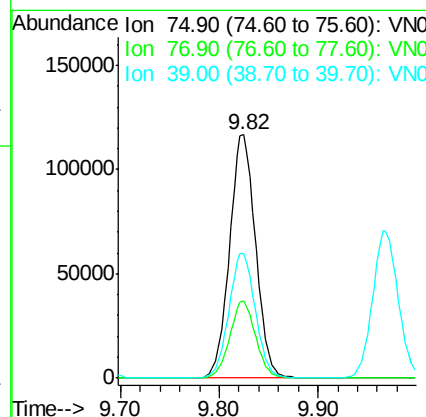
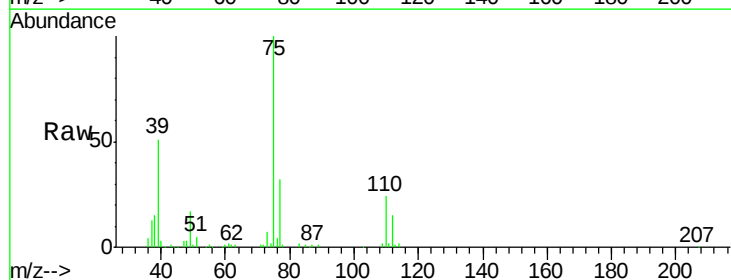
Manual Integrations
APPROVED

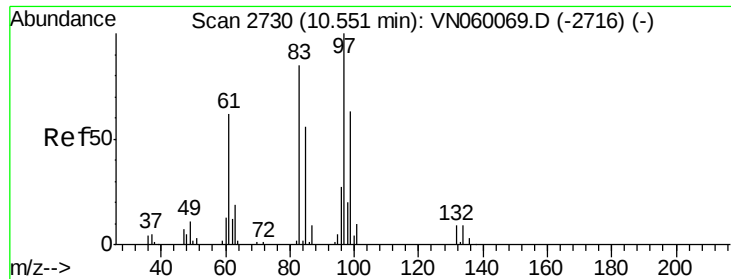
MMDadoda
2/13/2020 10:37:24 AM



#54
cis-1,3-Dichloropropene
Concen: 54.565 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4
39	51.0	42.2	63.4





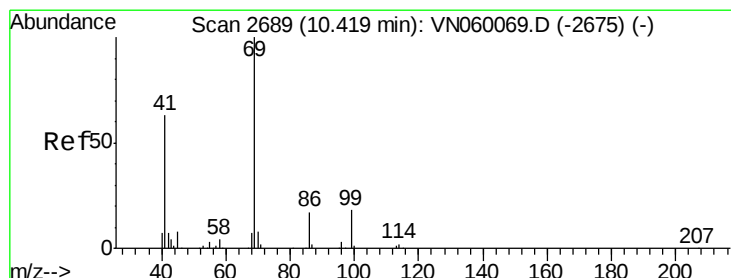
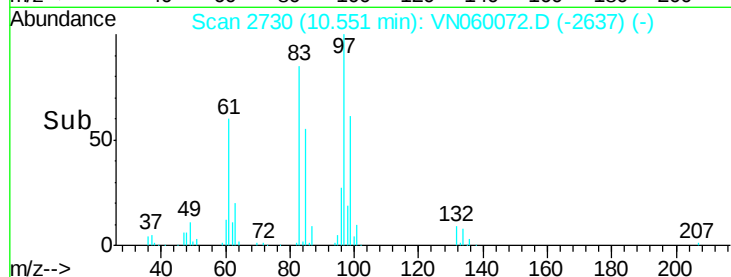
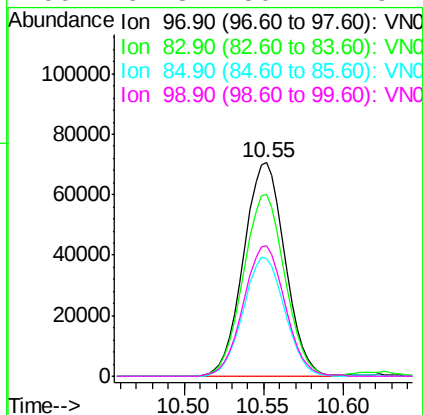
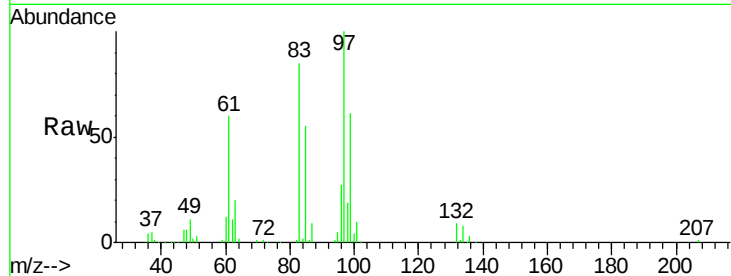
#55
 1,1,2-Trichloroethane
 Concen: 53.373 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN021220

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125021		
83	85.1	67.9	101.9		
85	55.3	44.6	67.0		
99	61.3	50.1	75.1		

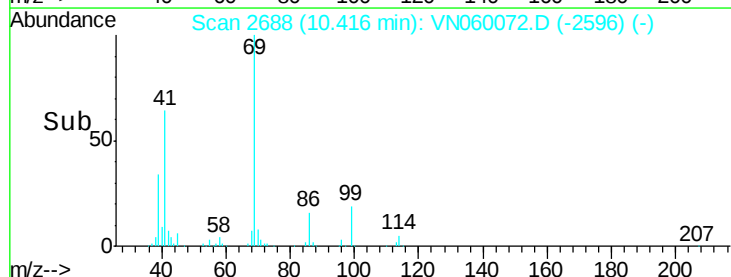
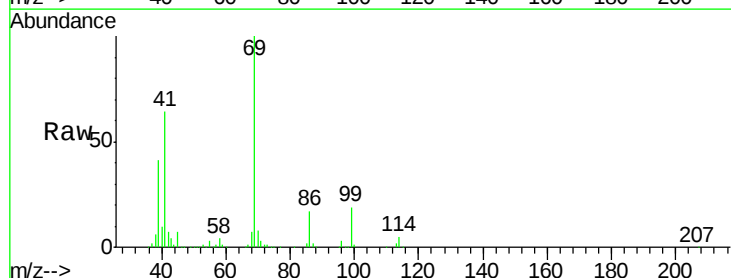
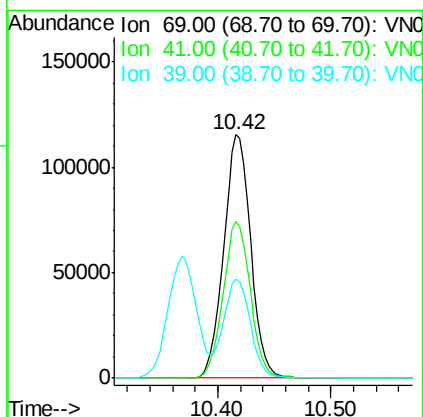
Manual Integrations
 APPROVED

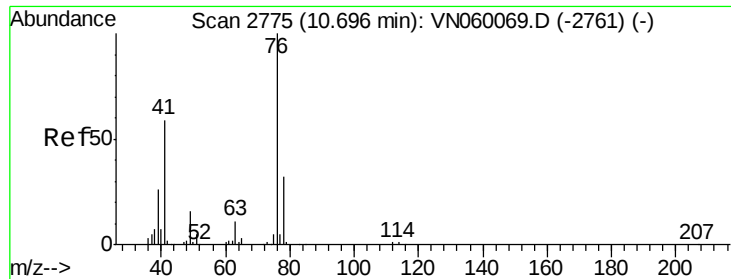
MMDadoda
 2/13/2020 10:37:24 AM



#56
 Ethyl methacrylate
 Concen: 57.863 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		191737		
41	63.9	51.1	76.7		
39	40.6	33.8	50.8		





#57

1,3-Dichloropropane

Concen: 53.271 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

ICVVN021220

Tot Ion: 76 Resp: 205899

Ion Ratio Lower Upper

76 100

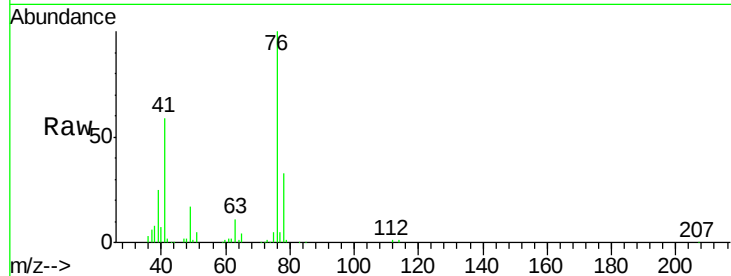
78 32.3 25.7 38.5

Manual Integrations

APPROVED

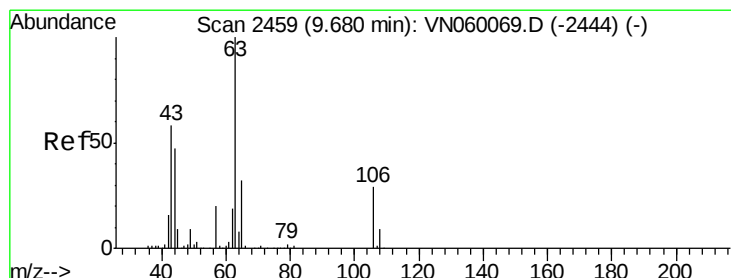
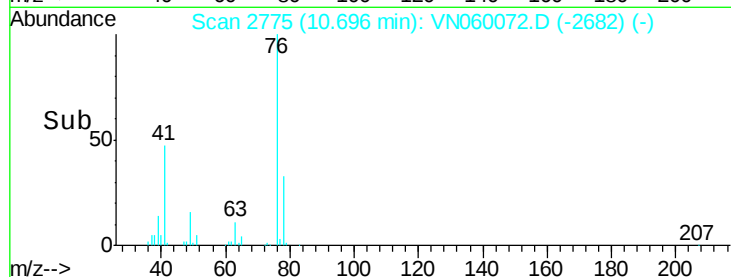
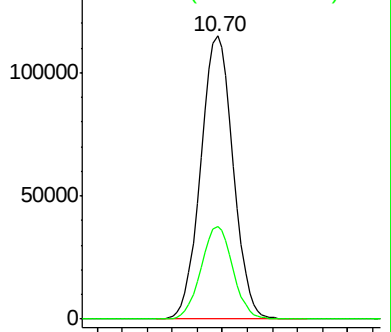
MMDadoda

2/13/2020 10:37:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 256.864 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060072.D

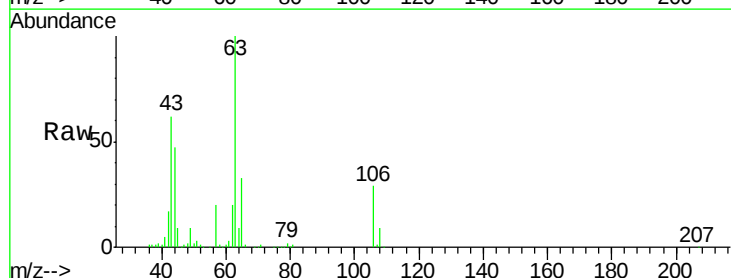
Acq: 12 Feb 2020 14:04

Tgt Ion: 63 Resp: 396526

Ion Ratio Lower Upper

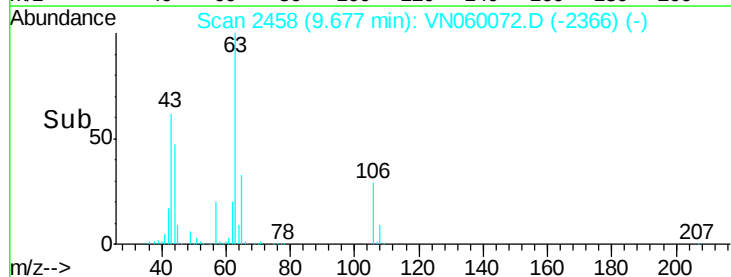
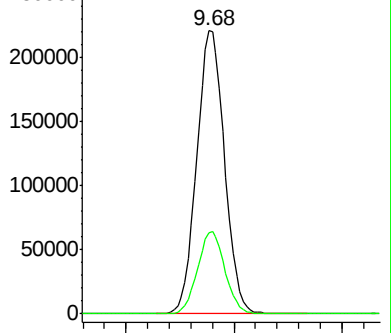
63 100

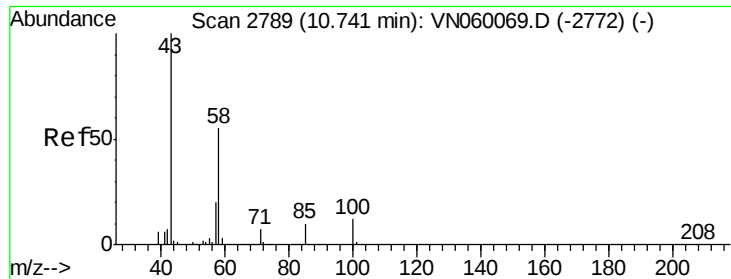
106 28.6 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





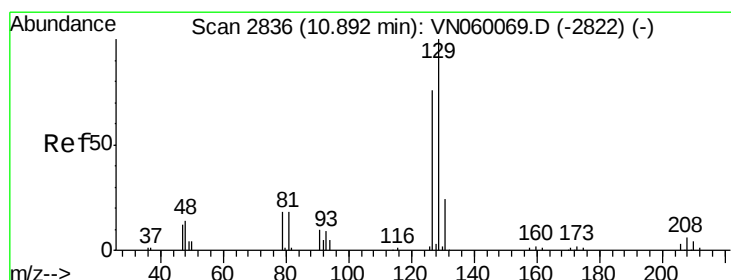
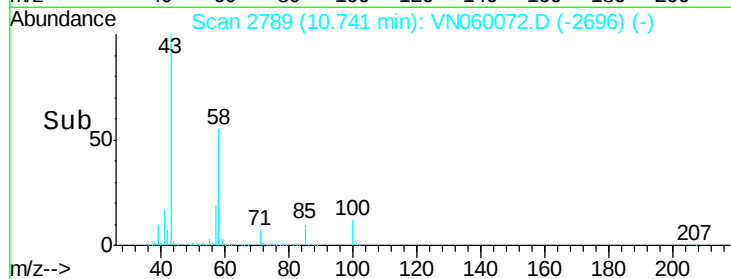
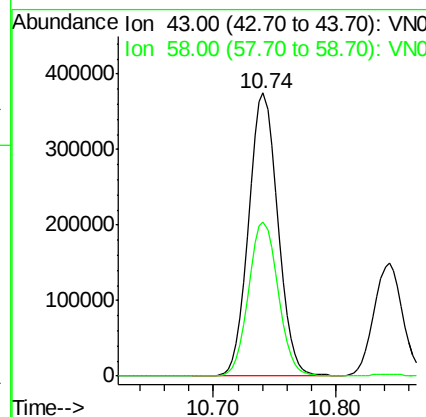
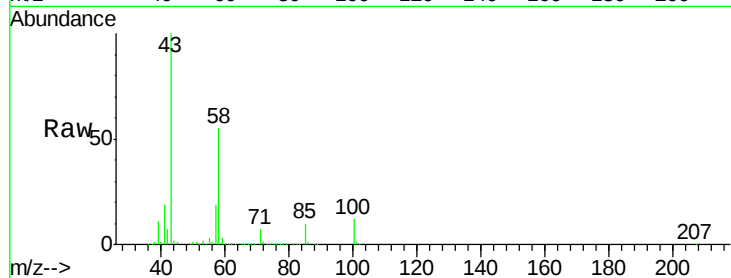
#59
2-Hexanone
Concen: 282.712 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion: 43 Resp: 616410
Ion Ratio Lower Upper
43 100
58 55.2 27.5 82.4

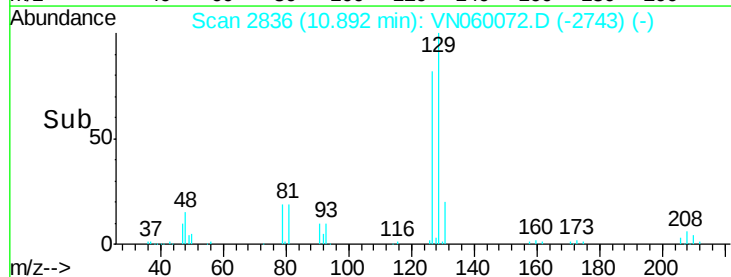
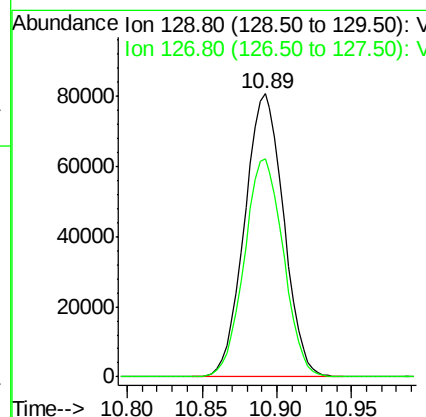
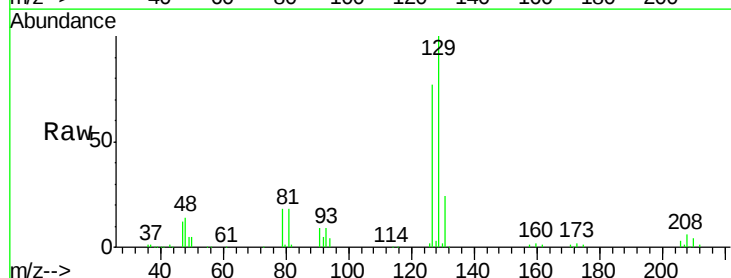
Manual Integrations
APPROVED

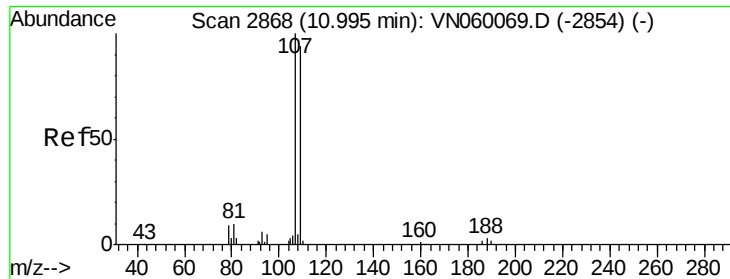
MMDadoda
2/13/2020 10:37:24 AM



#60
Dibromochloromethane
Concen: 54.599 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion: 129 Resp: 146764
Ion Ratio Lower Upper
129 100
127 76.9 38.0 114.1





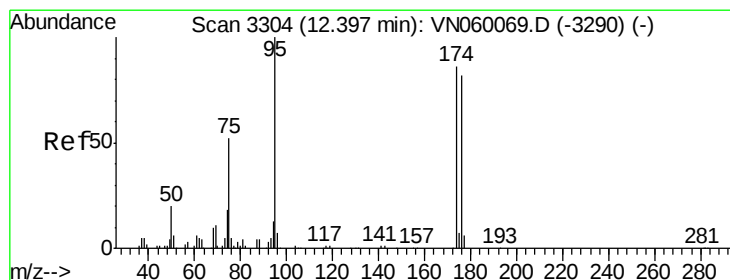
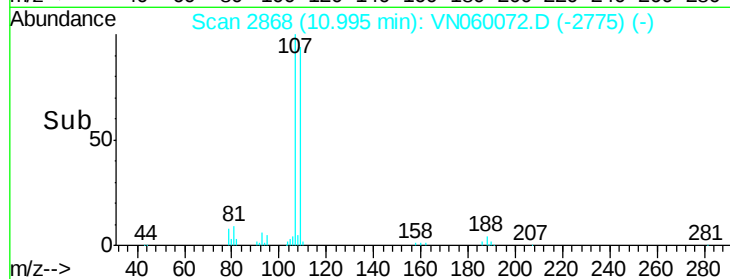
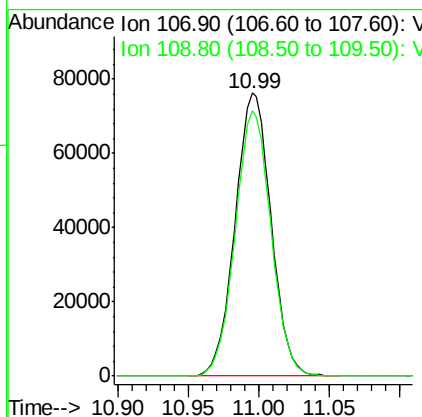
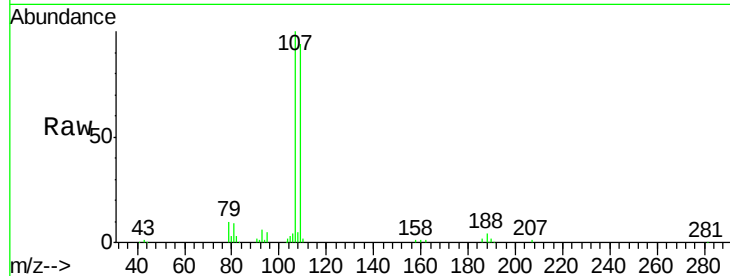
#61
 1,2-Dibromoethane
 Concen: 55.457 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN021220

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.4	113.0

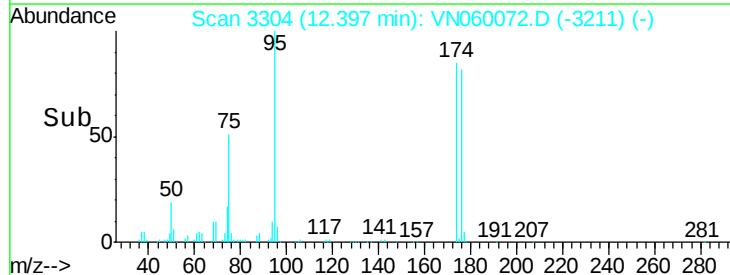
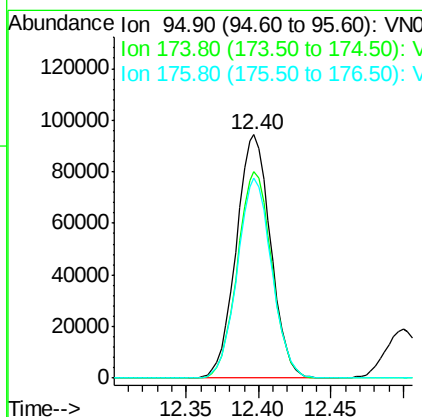
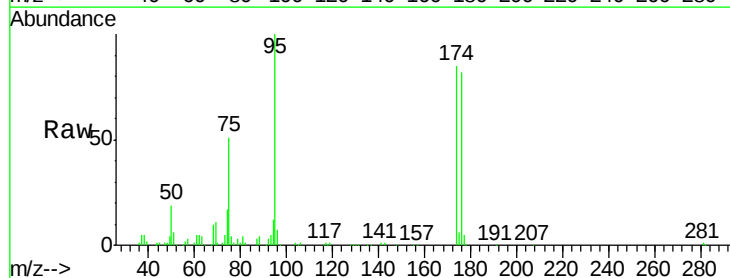
Manual Integrations
 APPROVED

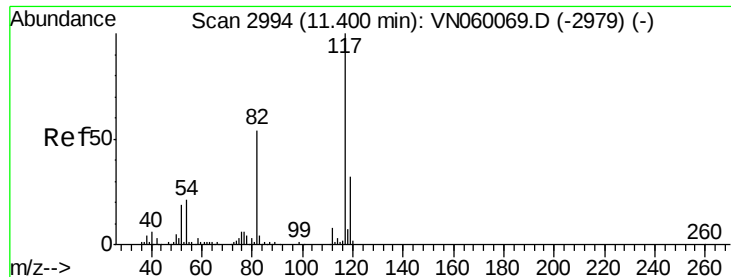
MMDadoda
 2/13/2020 10:37:24 AM



#62
 4-Bromofluorobenzene
 Concen: 51.281 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	169.8
176	82.1	0.0	164.8





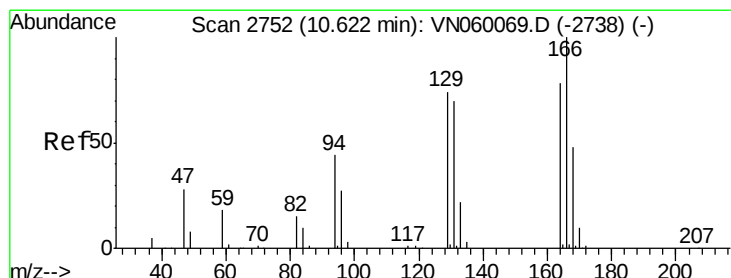
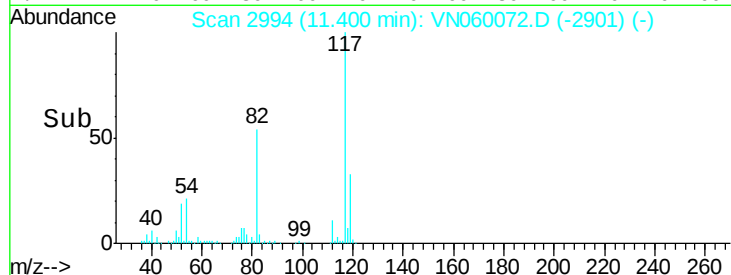
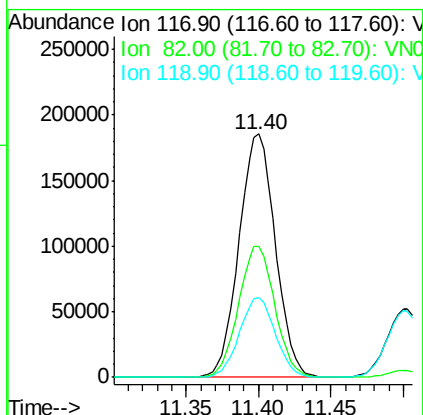
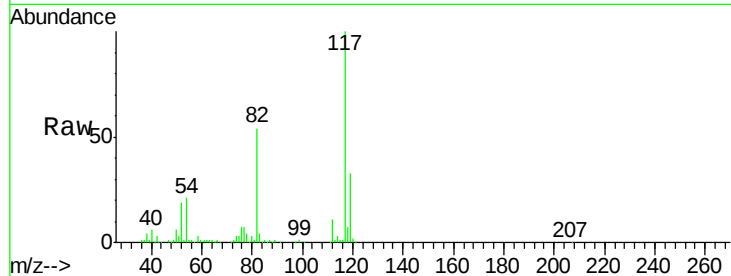
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.4	65.0
119	32.9	25.8	38.6

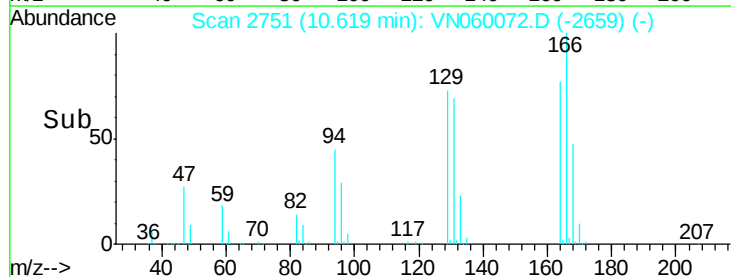
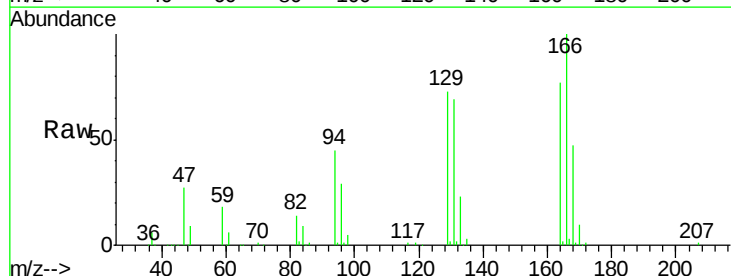
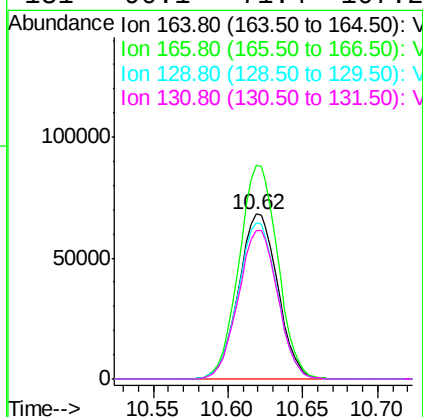
Manual Integrations
APPROVED

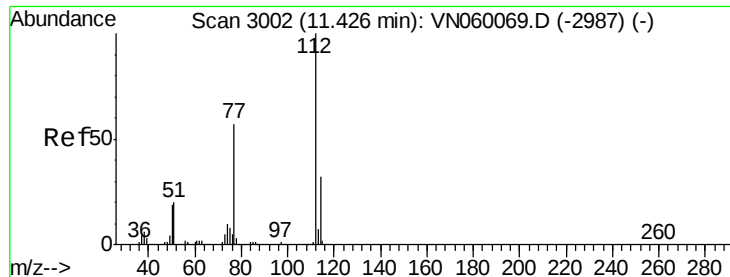
MMDadoda
2/13/2020 10:37:24 AM



#64
Tetrachloroethene
Concen: 50.434 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.9	152.9
129	94.8	75.4	113.0
131	90.1	71.4	107.2





#65

Chlorobenzene

Concen: 53.693 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

ICVVN021220

Tot Ion:112 Resp: 353839

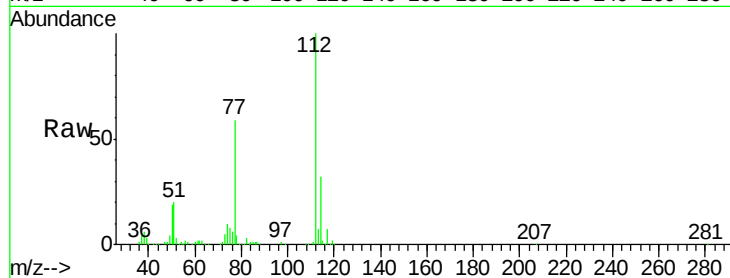
Ion Ratio Lower Upper

112 100

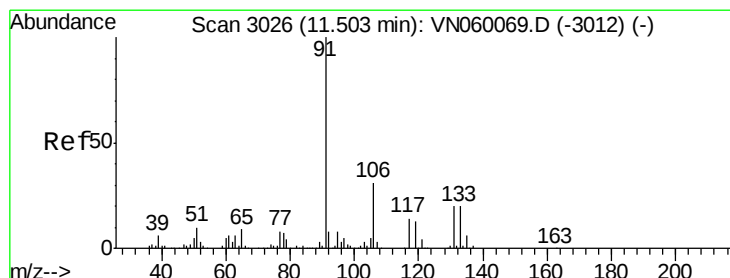
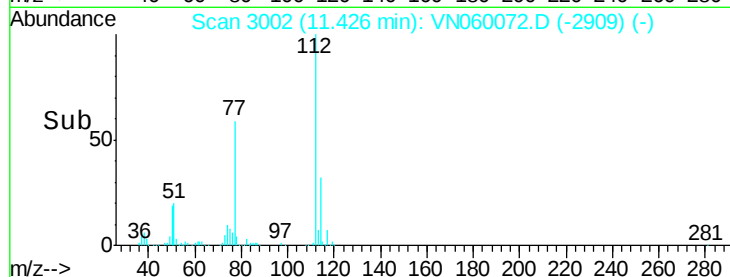
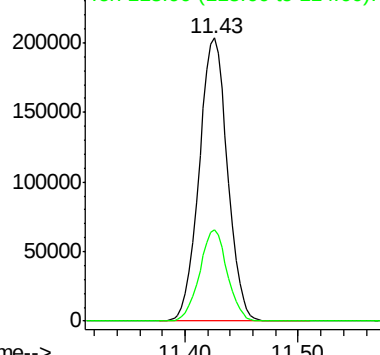
114 32.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.726 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

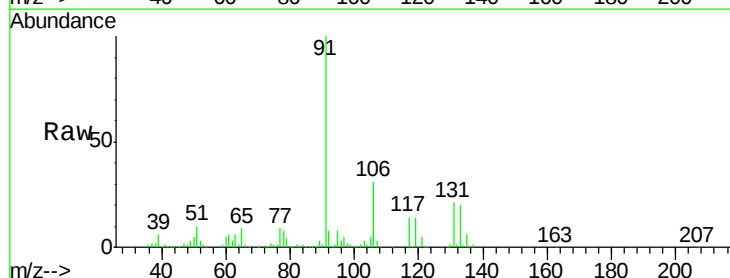
Tgt Ion:131 Resp: 133939

Ion Ratio Lower Upper

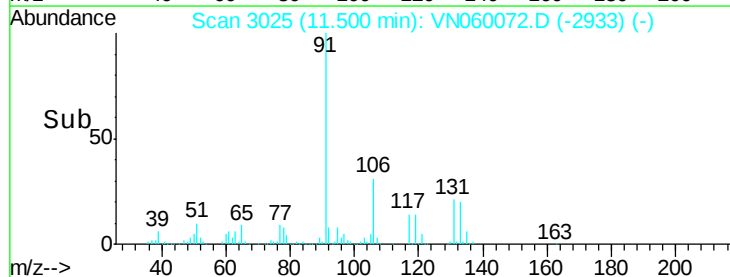
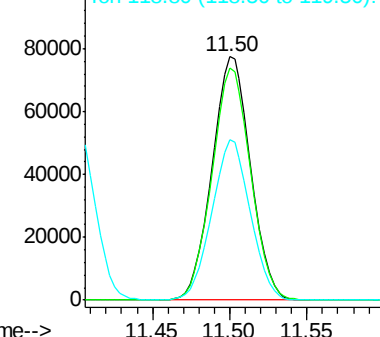
131 100

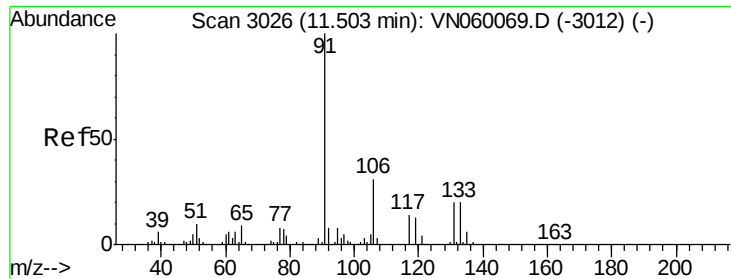
133 95.8 47.9 143.7

119 65.7 32.6 97.7



Abundance Ion 130.80 (130.50 to 131.50): V





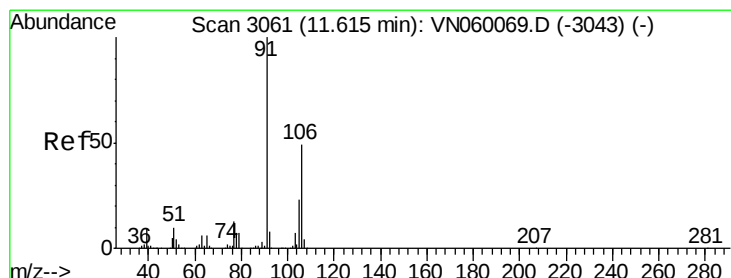
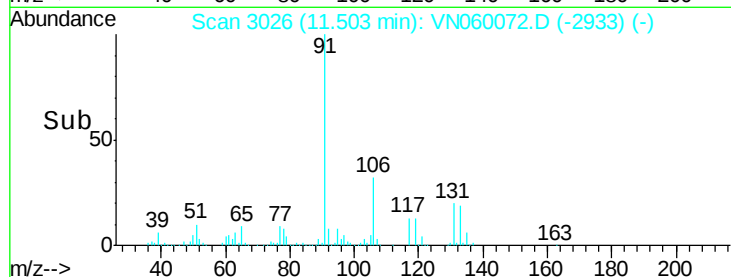
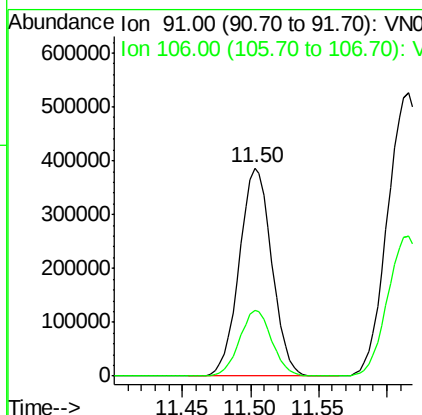
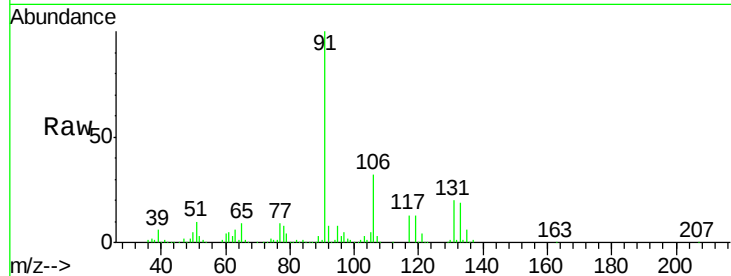
#67
Ethyl Benzene
Concen: 53.843 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampled :
ICVVN021220

Tot Ion: 91 Resp: 639964
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

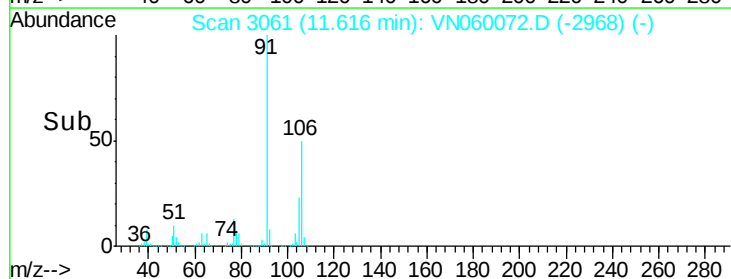
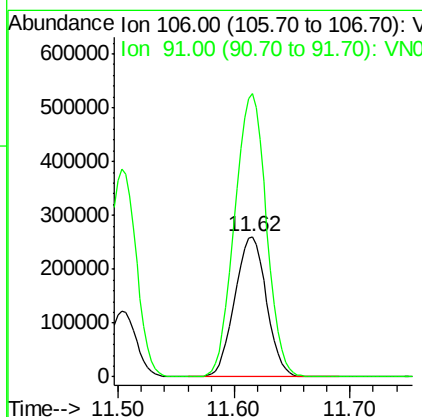
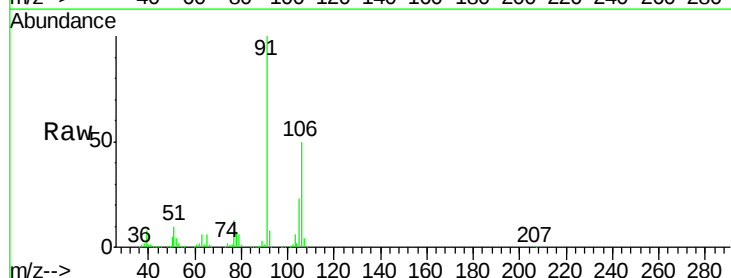
Manual Integrations
APPROVED

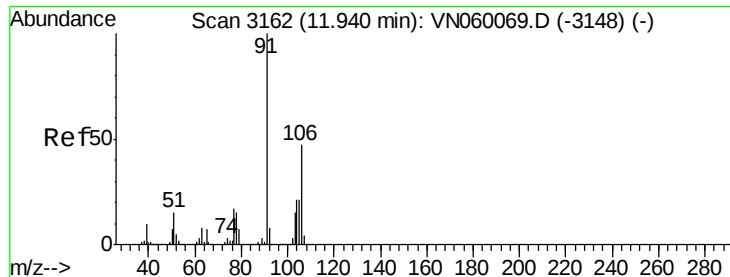
MMDadoda
2/13/2020 10:37:24 AM



#68
m/p-Xylenes
Concen: 110.401 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion: 106 Resp: 492488
Ion Ratio Lower Upper
106 100
91 202.4 162.7 244.1





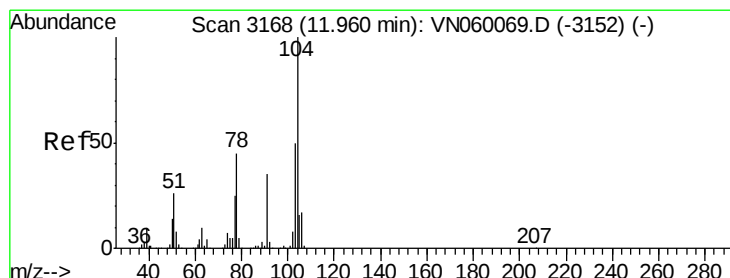
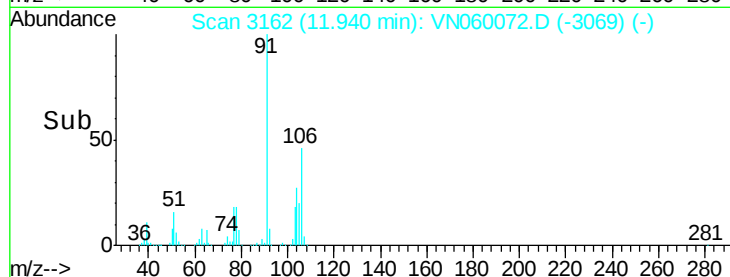
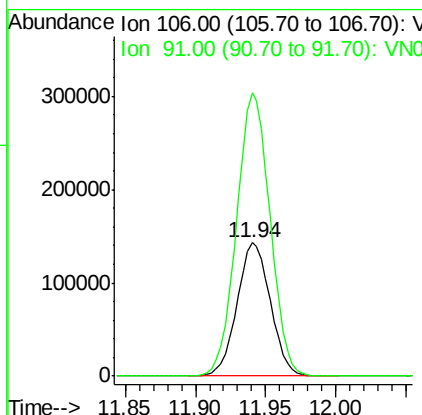
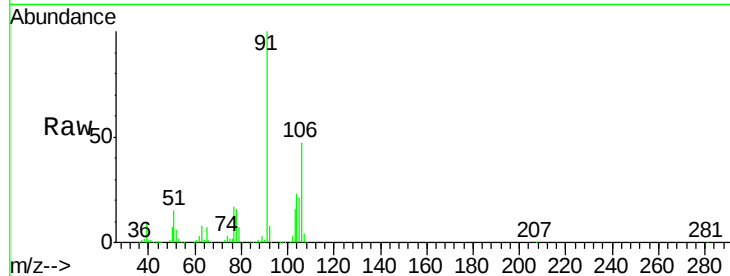
#69
o-Xylene
Concen: 55.086 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ion	Ratio	Lower	Upper
236601	106			
106	100			
91	213.8	107.2	321.6	

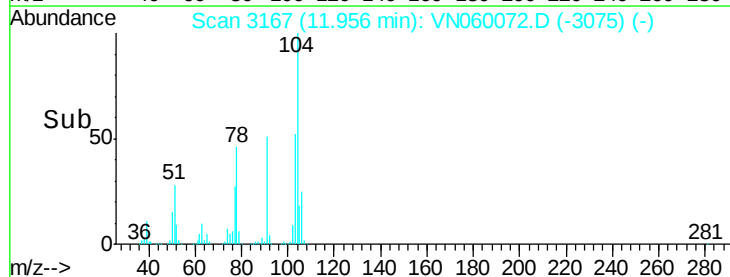
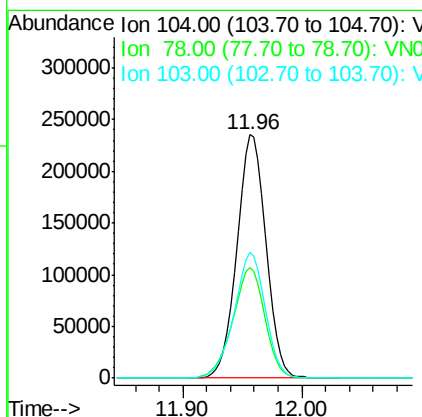
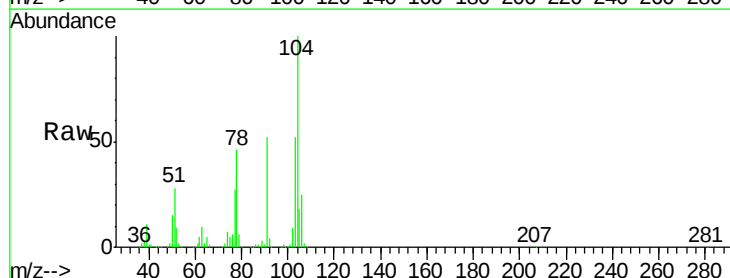
Manual Integrations
APPROVED

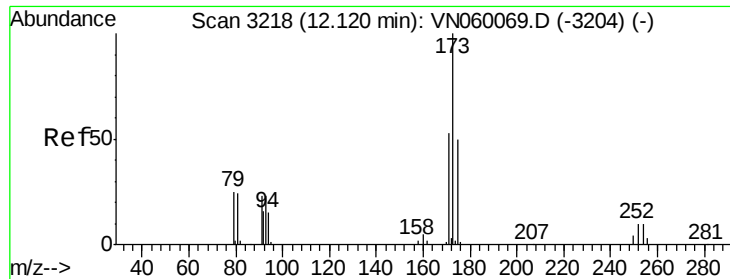
MMDadoda
2/13/2020 10:37:24 AM



#70
Styrene
Concen: 57.533 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ion	Ratio	Lower	Upper
398485	104			
104	100			
78	50.0	40.2	60.2	
103	55.2	44.3	66.5	





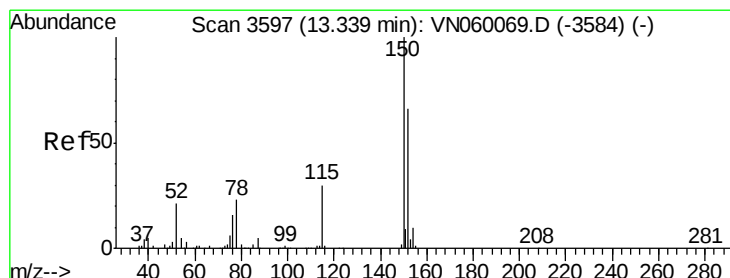
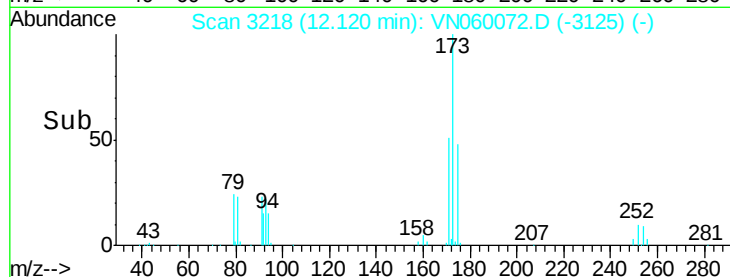
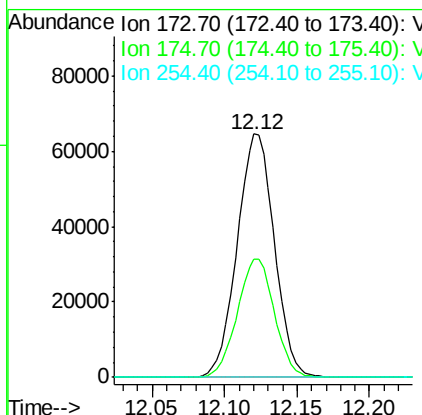
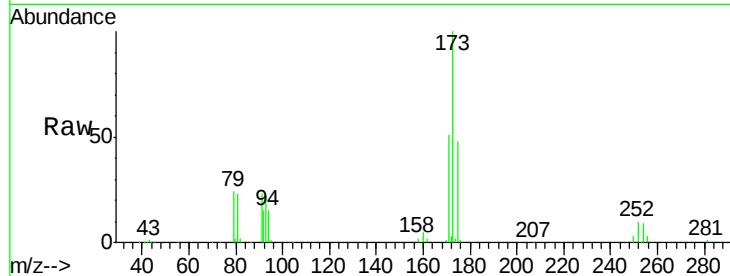
#71
Bromoform
Concen: 57.338 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.0	0.0

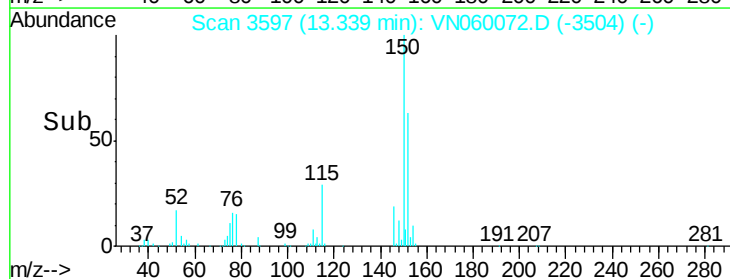
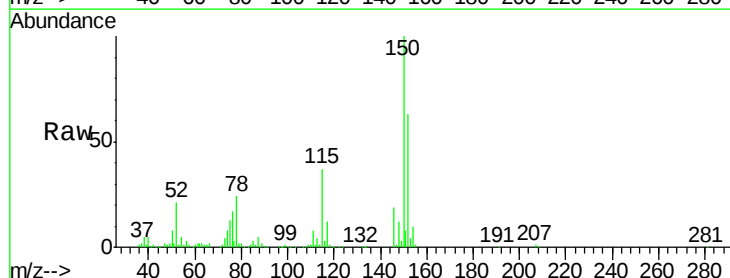
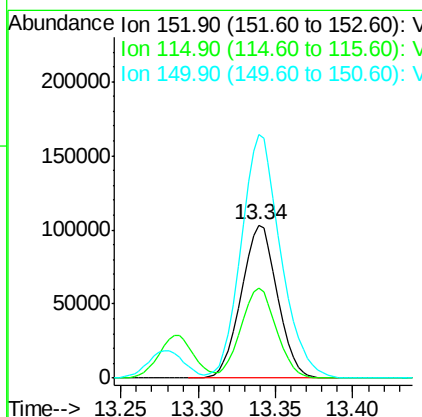
Manual Integrations
APPROVED

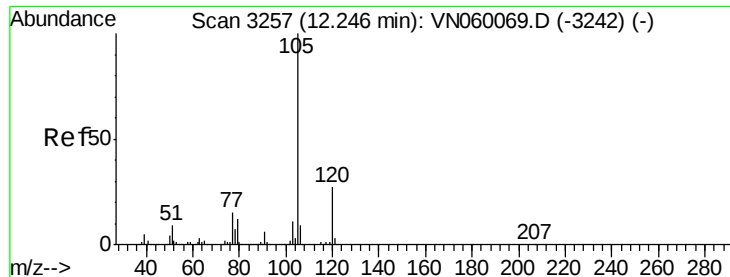
MMDadoda
2/13/2020 10:37:24 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.8
150	173.8	0.0	342.4





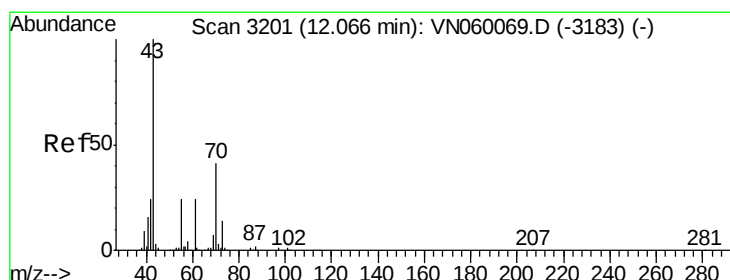
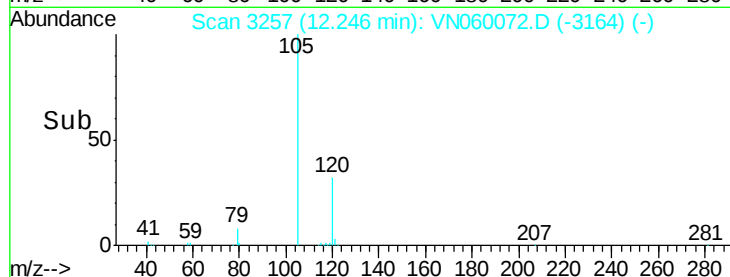
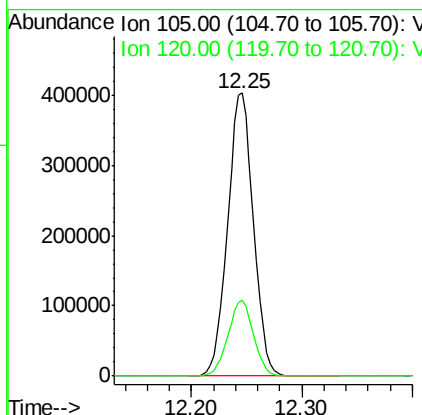
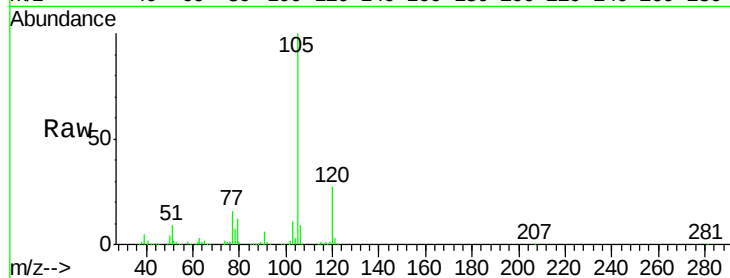
#73
Isopropylbenzene
Concen: 51.799 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.8

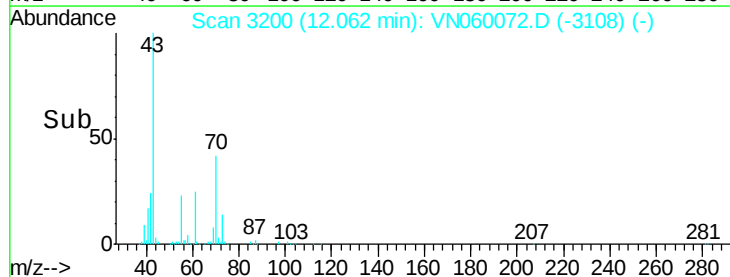
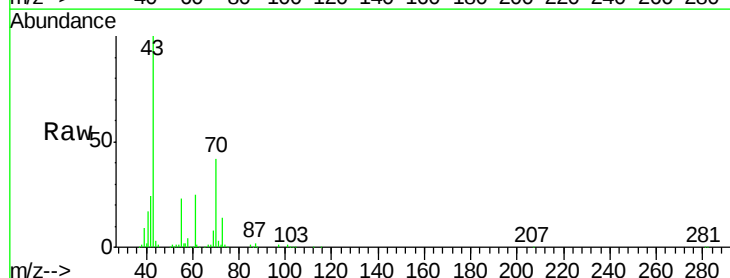
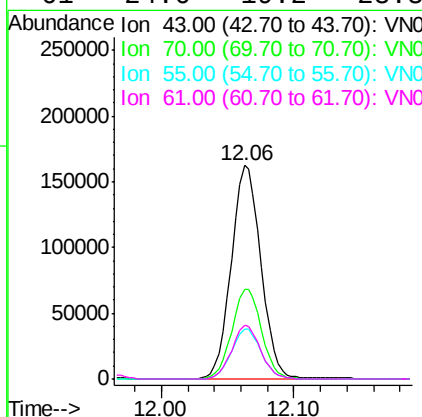
Manual Integrations
APPROVED

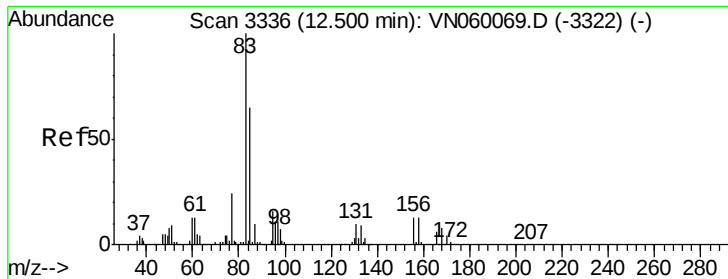
MMDadoda
2/13/2020 10:37:24 AM



#74
N-ethyl acetate
Concen: 55.525 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.3	33.4	50.0
55	23.6	18.8	28.2
61	24.6	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.384 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

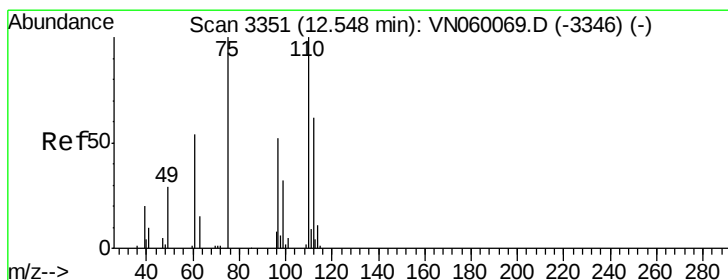
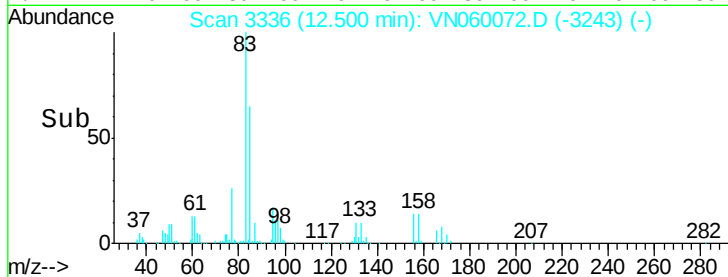
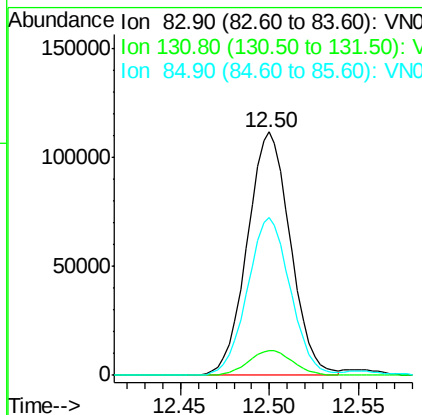
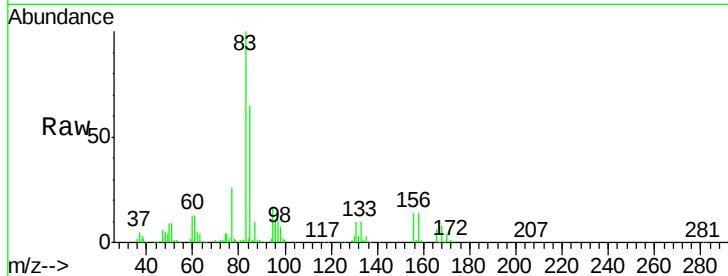
ClientSampleId :

ICVVN021220

Tot Ion:	83	Resp:	188979
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.6	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#76

1,2,3-Trichloropropane

Concen: 52.886 ug/l m

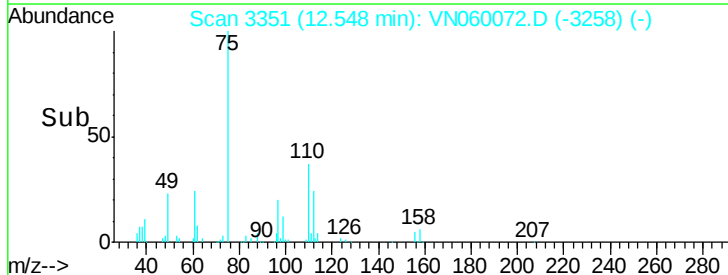
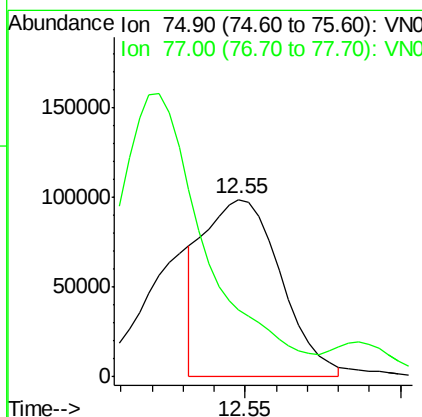
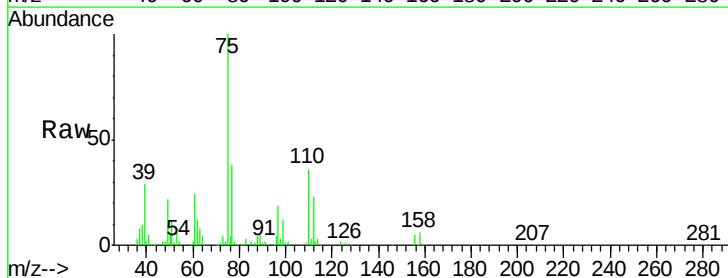
RT: 12.55 min Scan# 3351

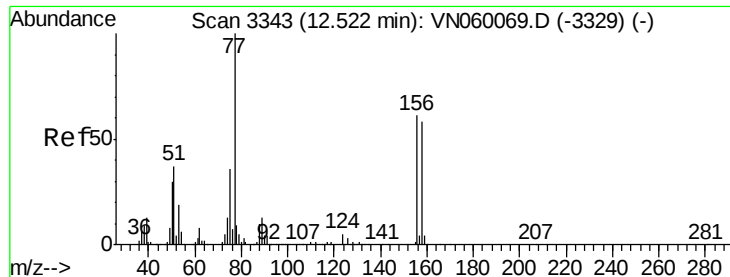
Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	75	Resp:	169826
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.483 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

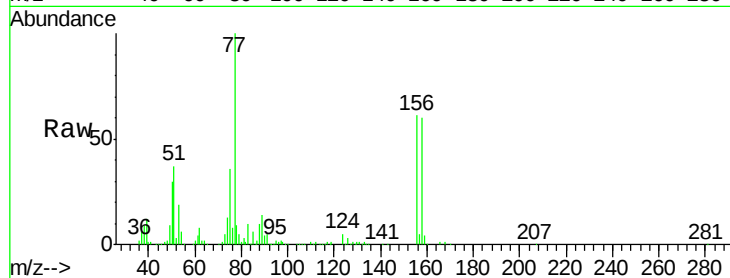
ClientSampleId :

ICVVN021220

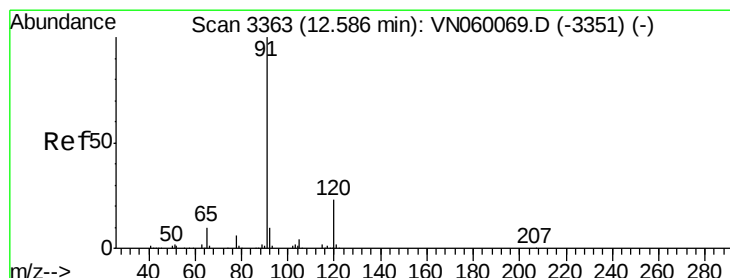
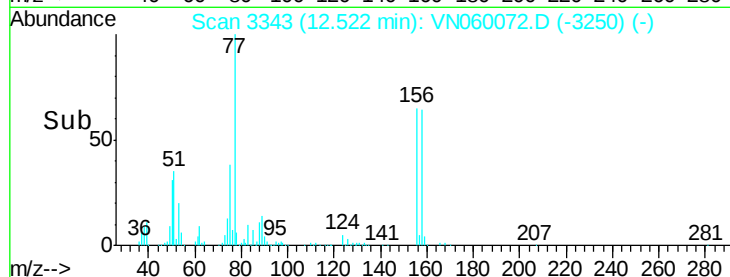
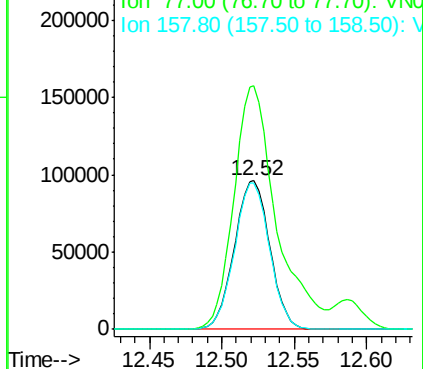
Tot Ion:	156	Resp:	163245
Ion Ratio	Lower	Upper	
156	100		
77	197.7	98.7	296.1
158	97.7	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.447 ug/l

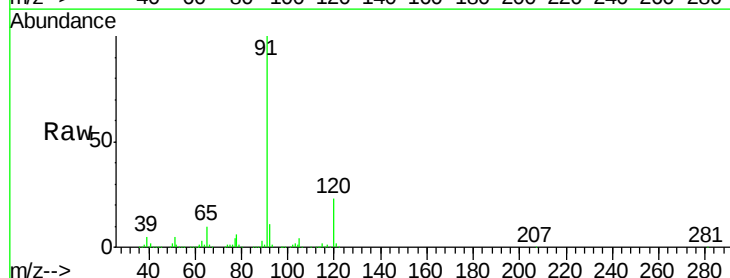
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

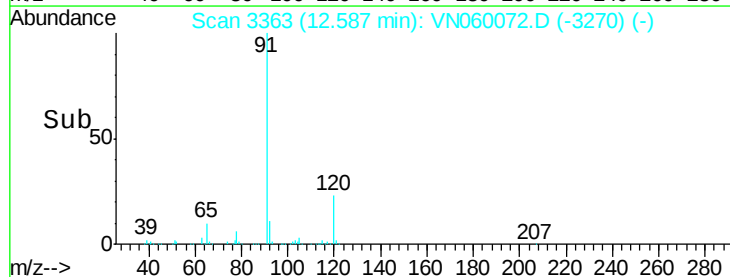
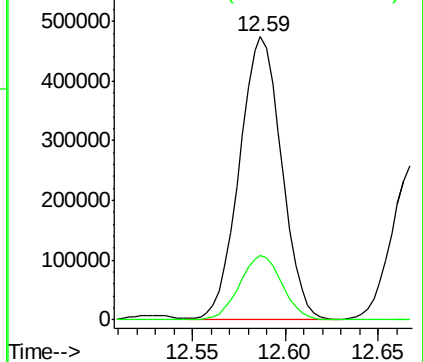
Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	91	Resp:	748937
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





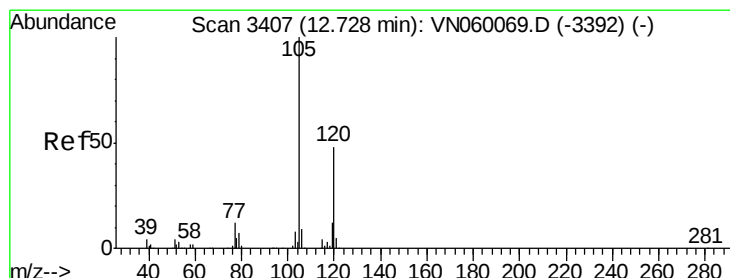
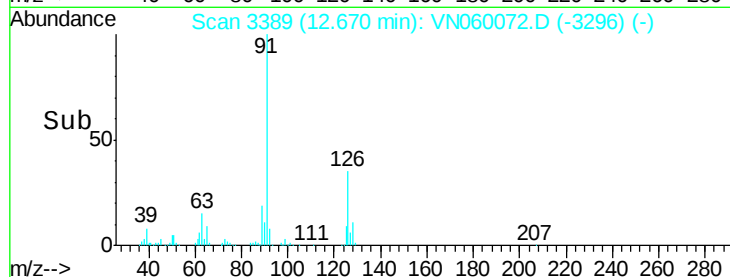
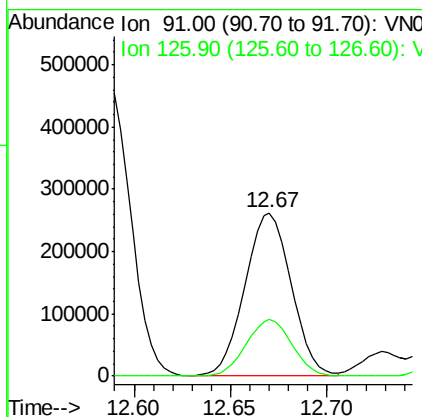
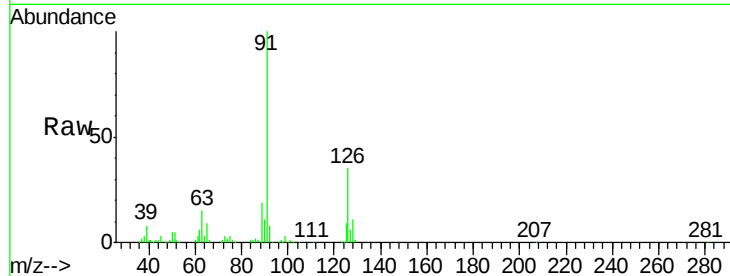
#79
 2-Chlorotoluene
 Concen: 51.915 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN021220

Tot Ion: 91 Resp: 435738
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.4 52.2

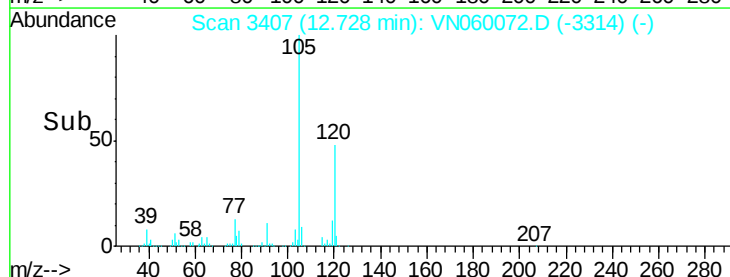
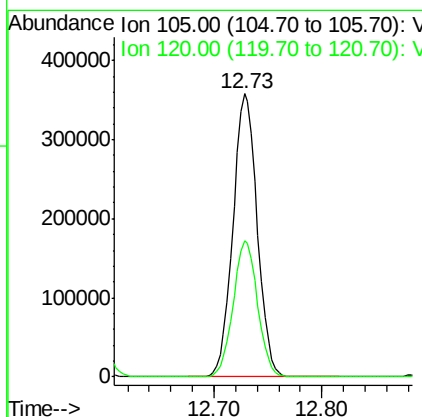
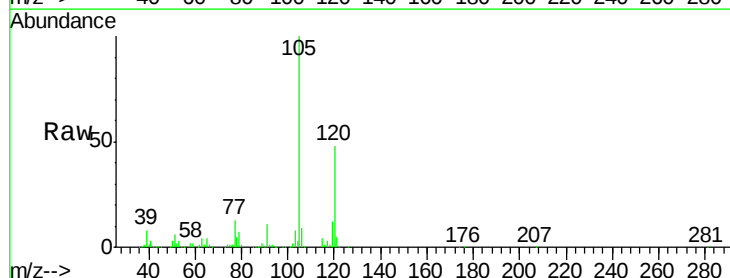
Manual Integrations
 APPROVED

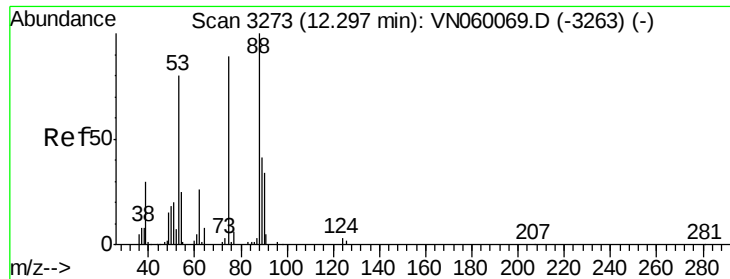
MMDadoda
 2/13/2020 10:37:24 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.860 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Tgt Ion: 105 Resp: 561276
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9





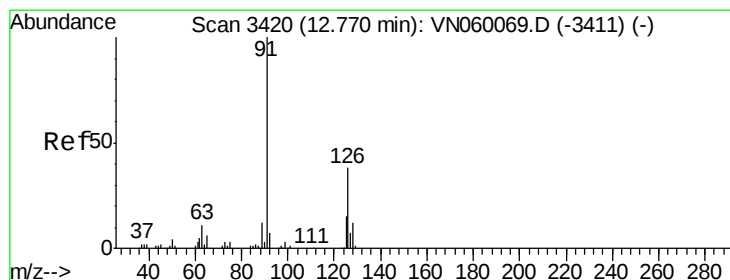
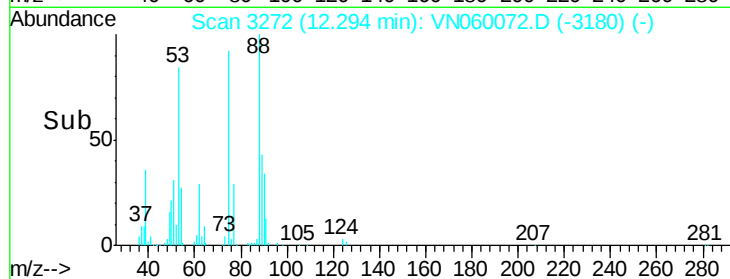
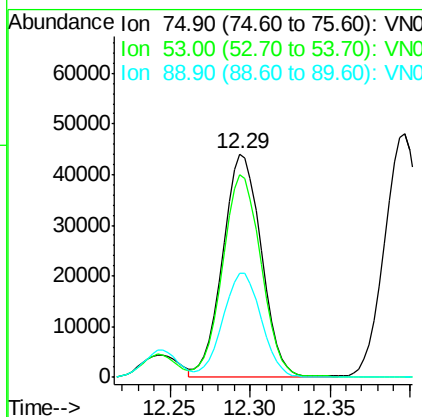
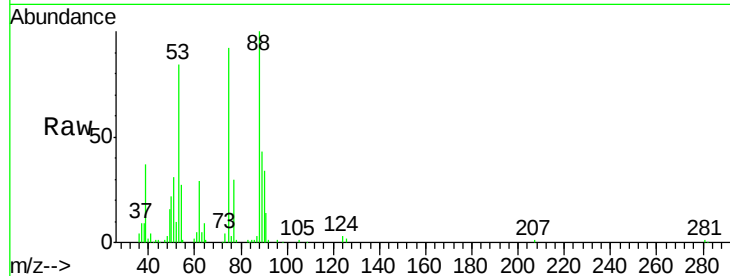
#81
trans-1,4-Dichloro-2-butene
Concen: 55.474 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	73.9	110.9
89	46.4	37.0	55.4

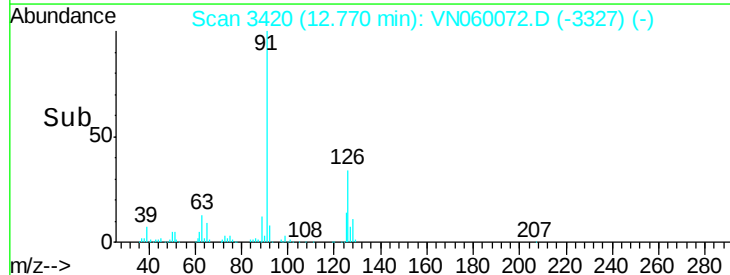
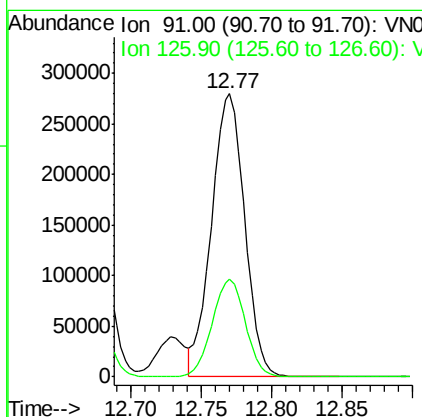
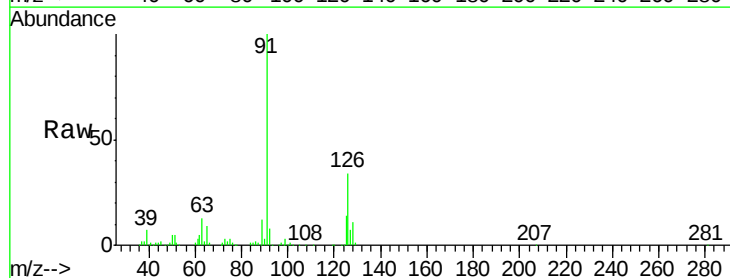
Manual Integrations
APPROVED

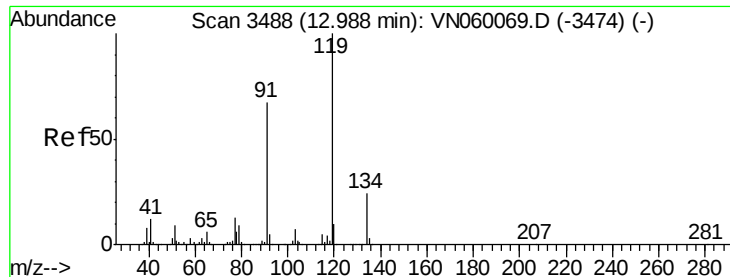
MMDadoda
2/13/2020 10:37:24 AM



#82
4-Chlorotoluene
Concen: 52.818 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.1	51.3





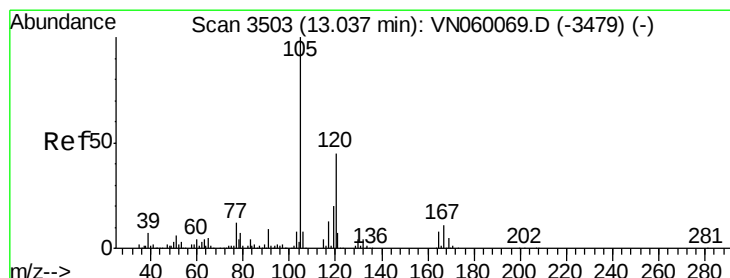
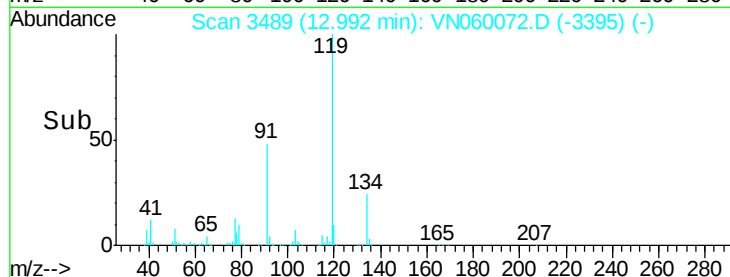
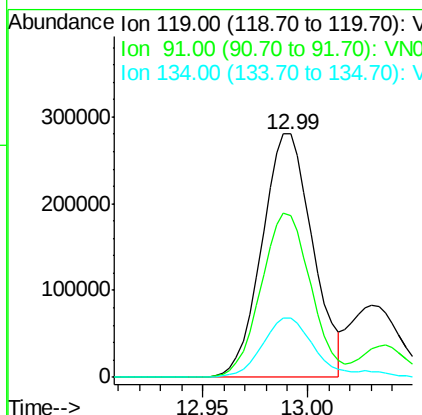
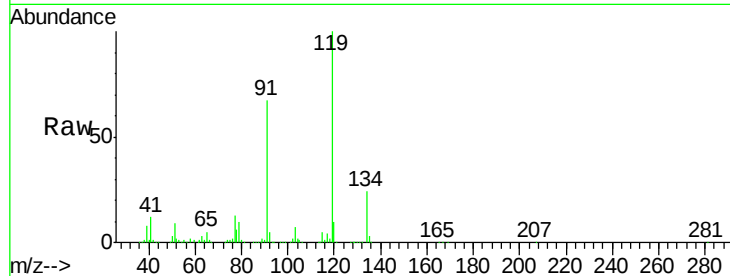
#83
tert-Butylbenzene
Concen: 50.848 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	32.7	98.1
134	26.2	12.9	38.7

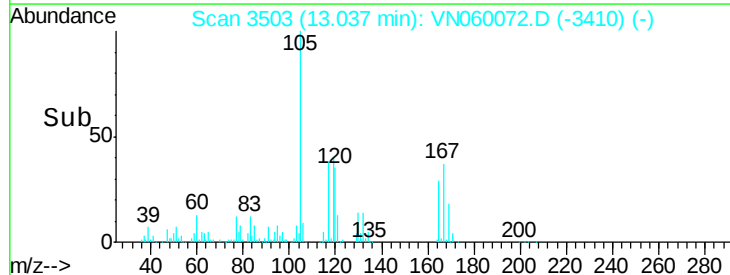
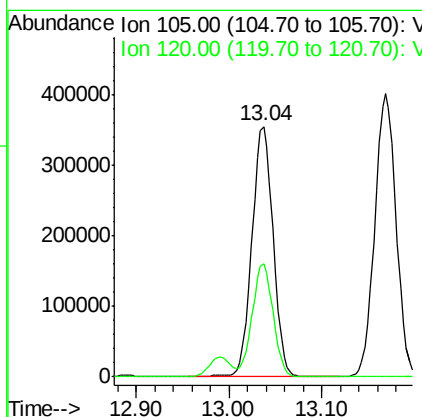
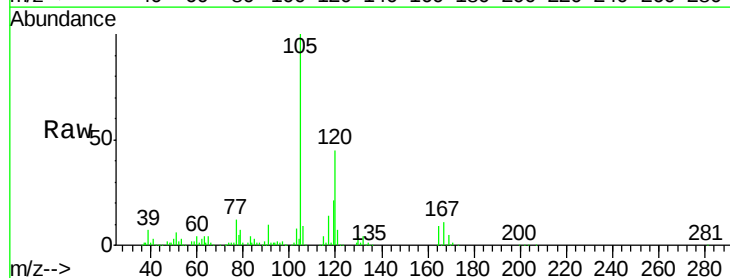
Manual Integrations
APPROVED

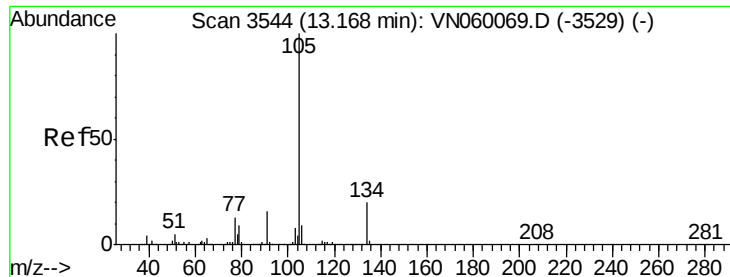
MMDadoda
2/13/2020 10:37:24 AM



#84
1,2,4-Trimethylbenzene
Concen: 54.820 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 52.288 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

ICVVN021220

Tot Ion:105 Resp: 638374

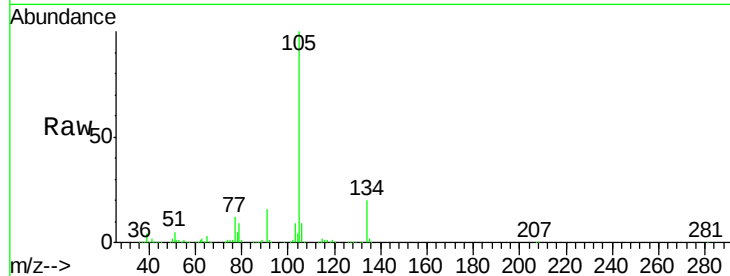
Ion Ratio Lower Upper

105 100

134 20.0 9.9 29.7

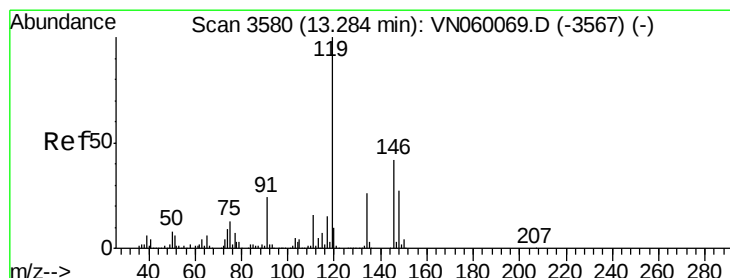
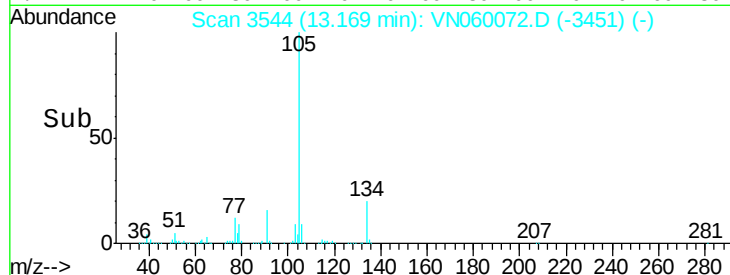
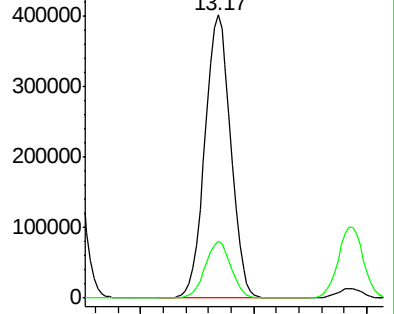
Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.786 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

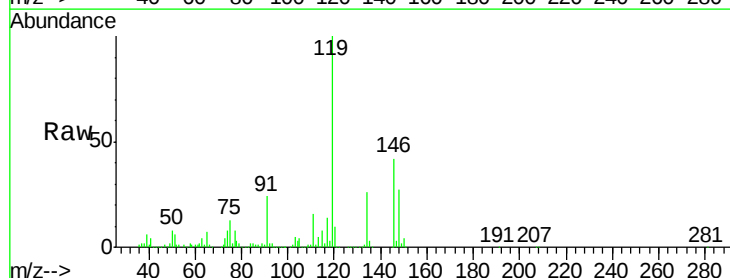
Tgt Ion:119 Resp: 594960

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

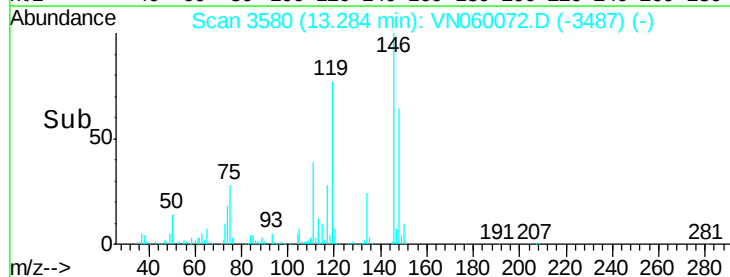
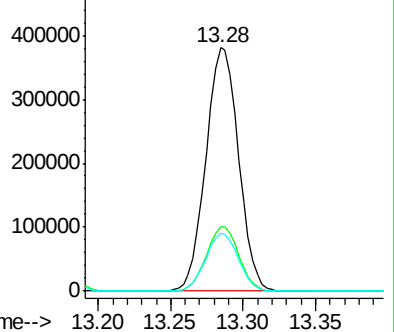
91 24.0 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.009 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060072.D

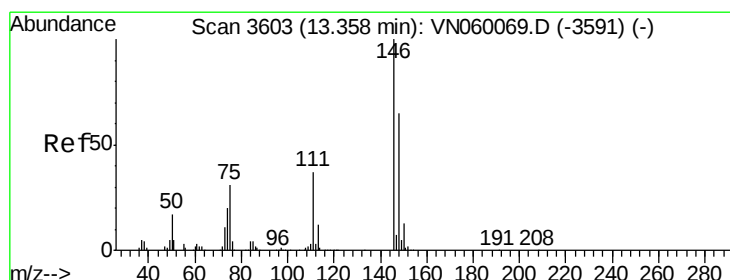
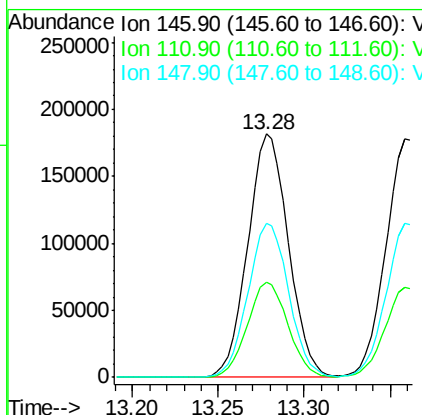
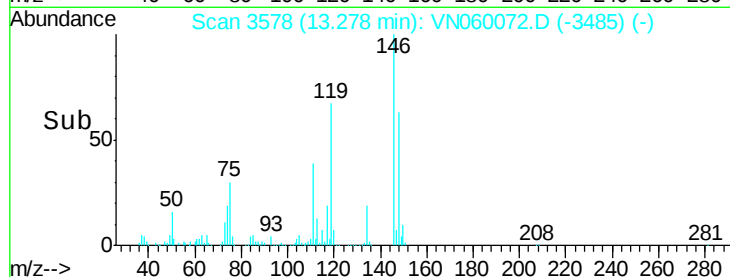
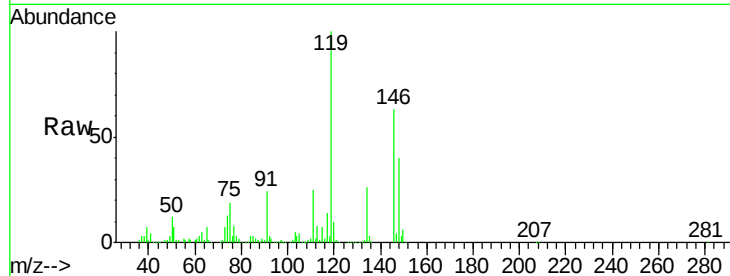
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Resp	Lower	Upper
146	100	297366		
111	39.3	19.8	59.3	
148	63.7	32.0	96.2	

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#88

1,4-Dichlorobenzene

Concen: 53.227 ug/l

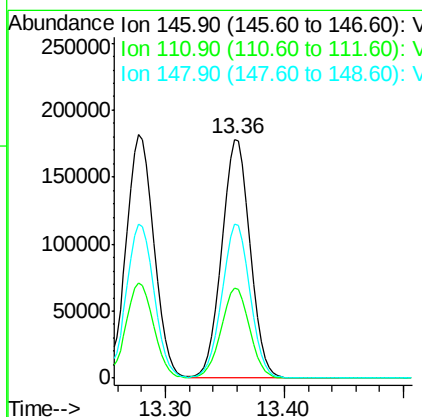
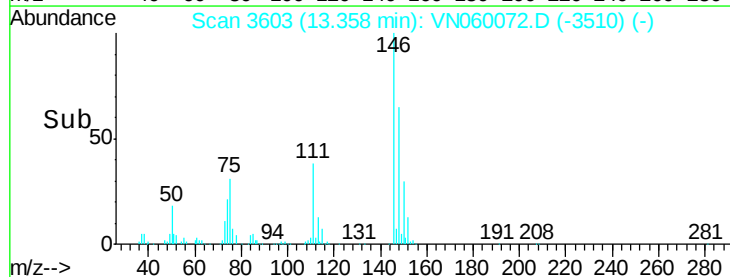
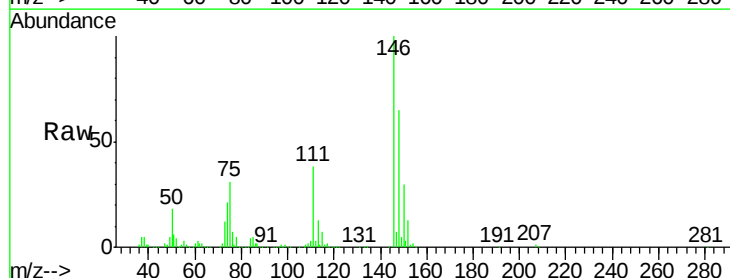
RT: 13.36 min Scan# 3603

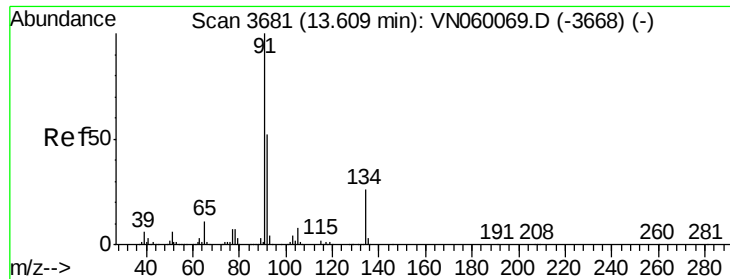
Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	293001		
111	37.8	18.9	56.5	
148	64.4	32.0	96.0	





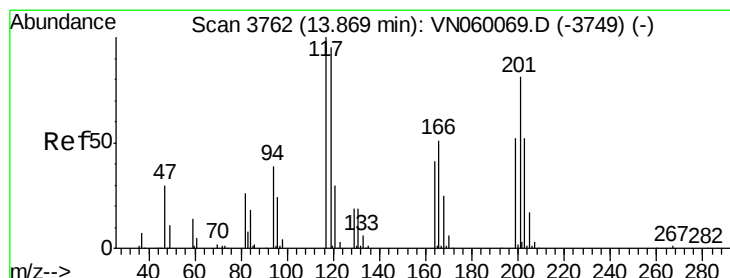
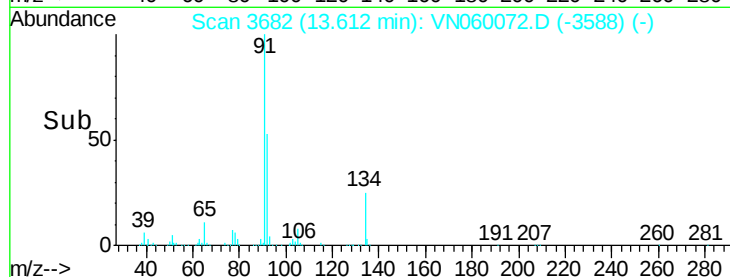
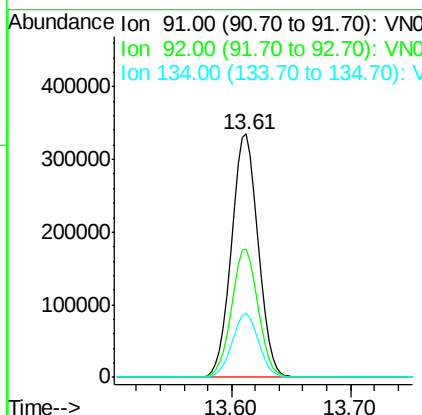
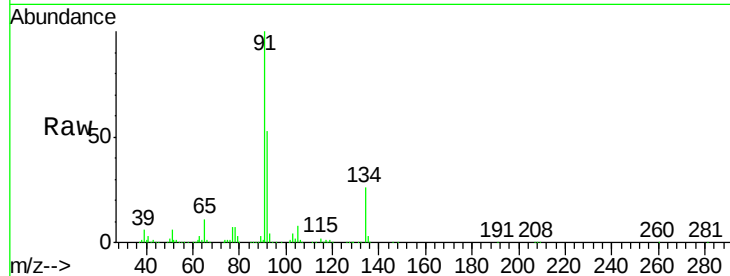
#89
n-Butylbenzene
Concen: 53.535 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	26.2	13.1	39.3

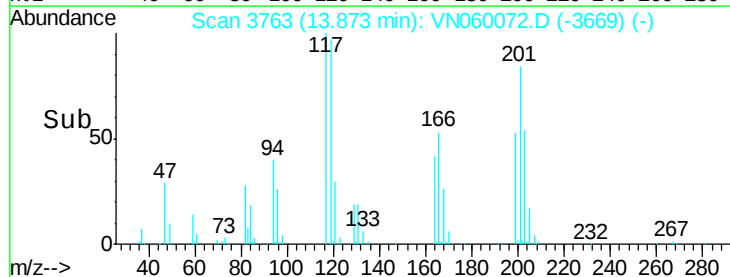
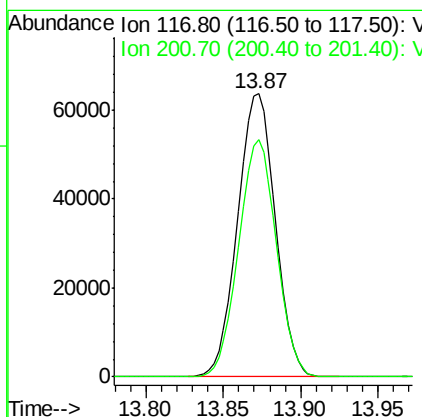
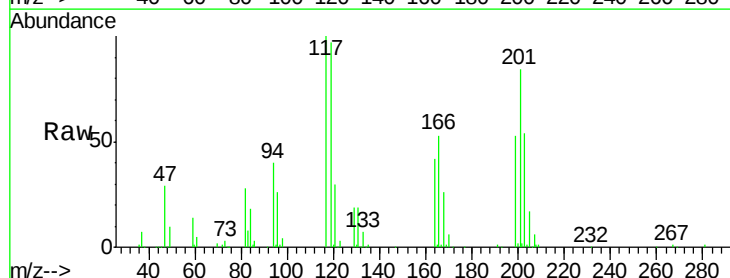
Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#90
Hexachloroethane
Concen: 52.360 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 52.886 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA_N

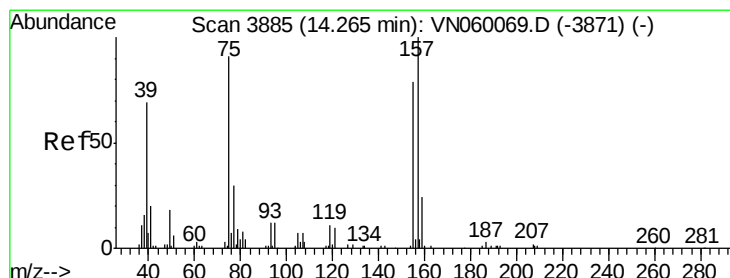
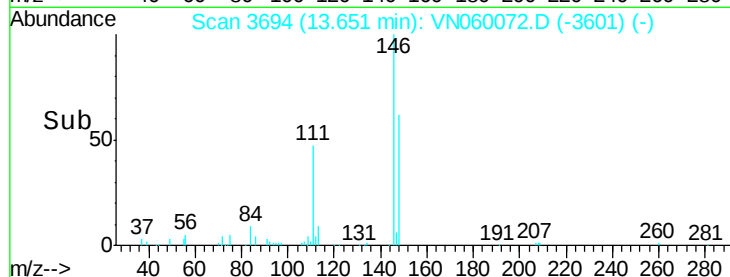
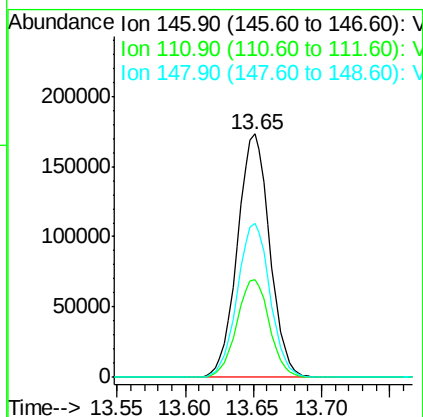
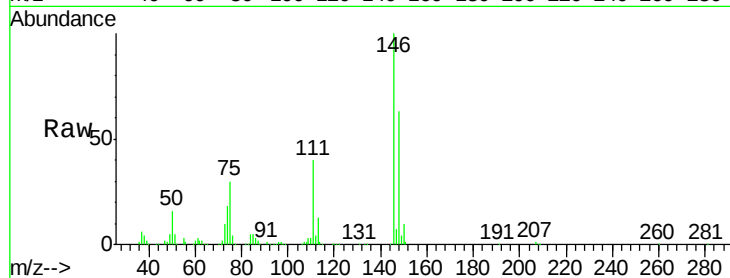
ClientSampleId :

ICVVN021220

Tot Ion:	146	Resp:	284961
Ion Ratio		Lower	Upper
146	100		
111	40.4	20.1	60.2
148	64.0	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.065 ug/l

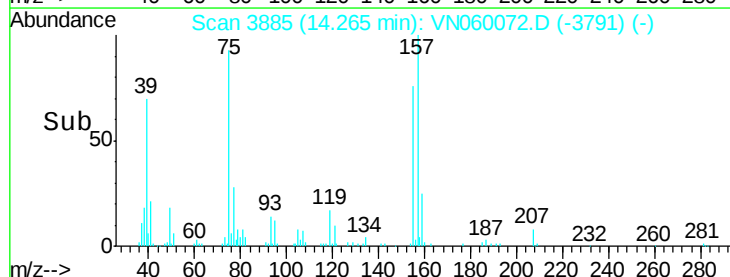
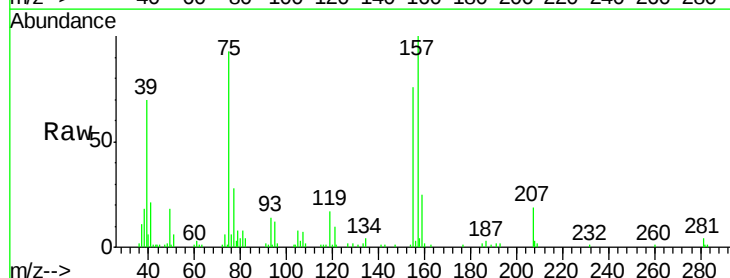
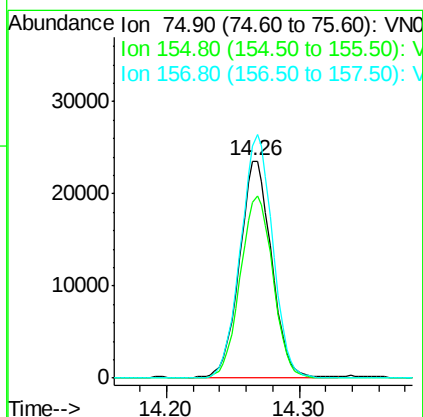
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion:	75	Resp:	39913
Ion Ratio		Lower	Upper
75	100		
155	84.8	43.0	129.0
157	111.1	54.9	164.5





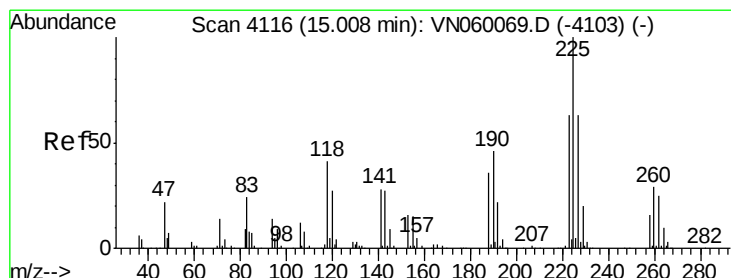
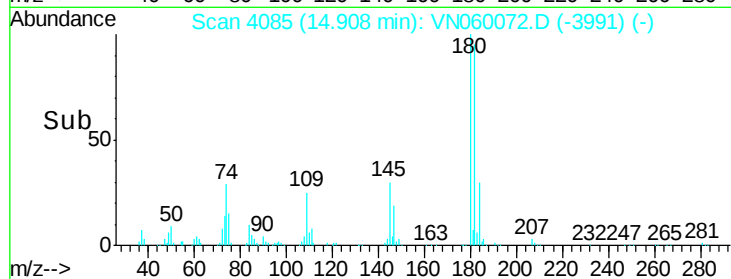
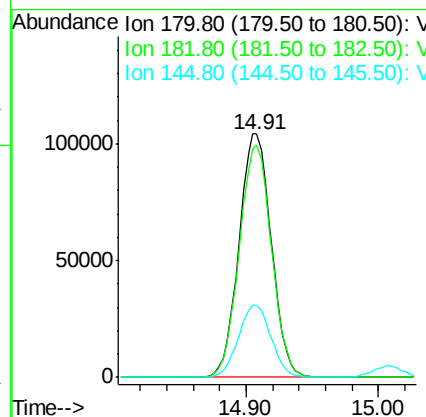
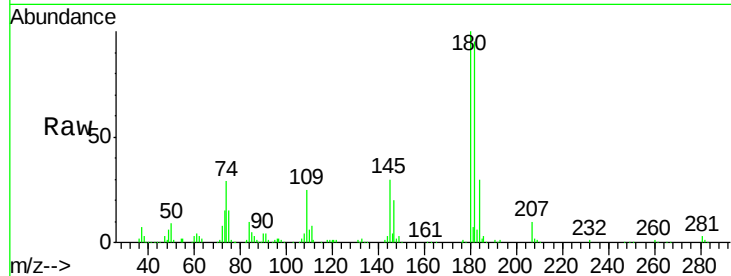
#93
 1,2,4-Trichlorobenzene
 Concen: 55.564 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN021220

Tot Ion	Ratio	Resp	Lower	Upper
180	100	175915		
182	95.3	47.9	143.8	
145	30.0	15.2	45.5	

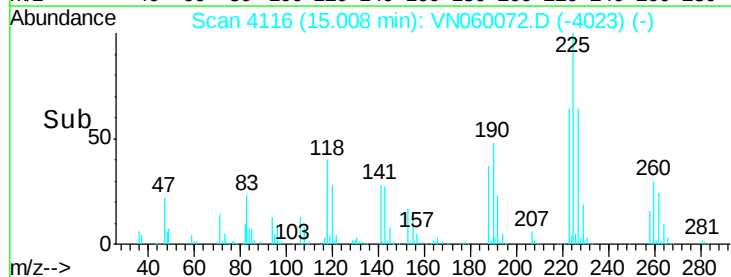
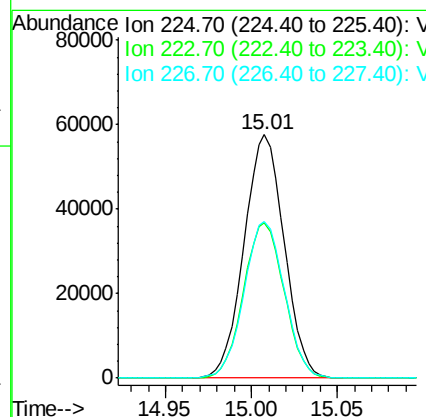
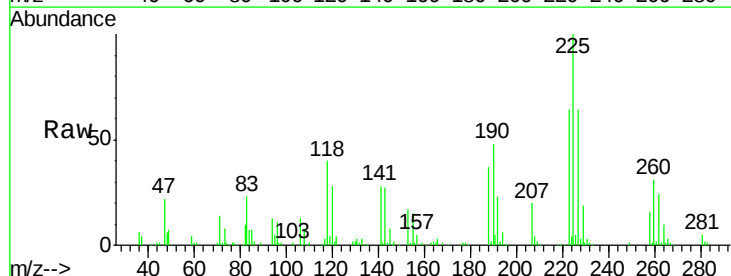
Manual Integrations
 APPROVED

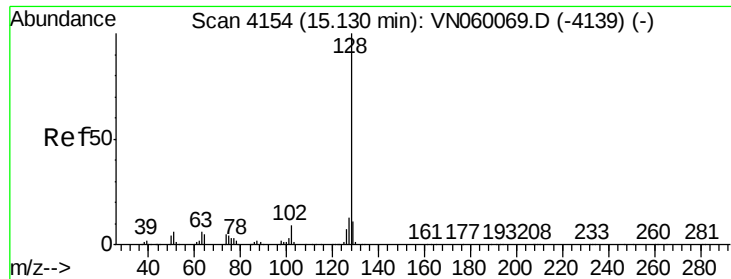
MMDadoda
 2/13/2020 10:37:24 AM



#94
 Hexachlorobutadiene
 Concen: 50.522 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060072.D
 Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93640		
223	64.3	31.5	94.5	
227	64.6	31.8	95.4	





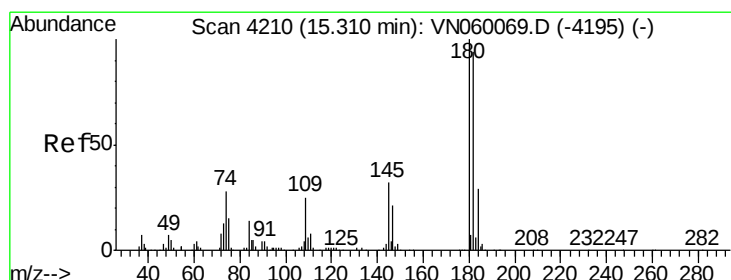
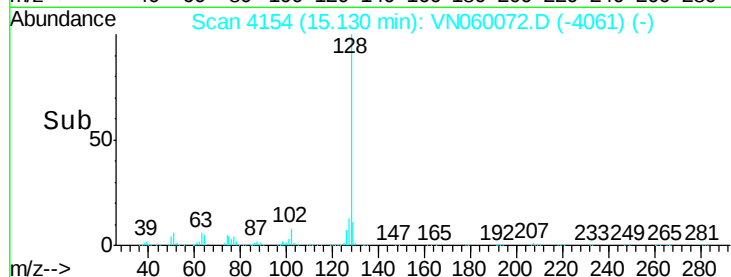
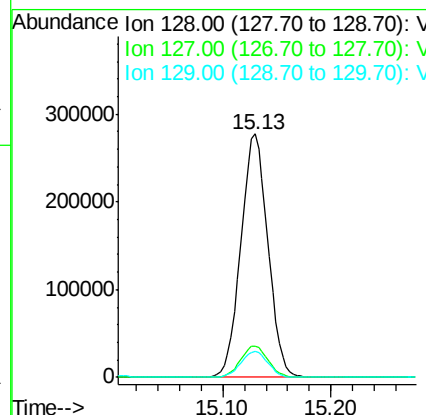
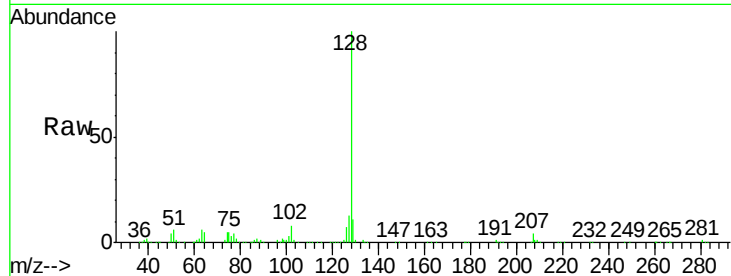
#95
Naphthalene
Concen: 56.371 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021220

Tot Ion	Ratio	Resp	Lower	Upper
128	100	482096		
127	12.9	10.3	15.5	
129	10.7	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.719 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060072.D
Acq: 12 Feb 2020 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	169367		
182	96.6	47.5	142.5	
145	32.4	16.1	48.3	

