

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060114.D
 Acq On : 17 Feb 2020 13:13
 Operator : JC/MD
 Sample : VN0217WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:26:55 AM

Quant Time: Feb 17 14:27:30 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	200278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	132270	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	7.56	113	100231	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.08	98	388104	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.40	95	140317	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39348	19.655	ug/l	100
3) Chloromethane	2.04	50	49694	20.859	ug/l	99
4) Vinyl Chloride	2.17	62	54474	20.061	ug/l	98
5) Bromomethane	2.55	94	31569	18.960	ug/l	98
6) Chloroethane	2.69	64	27430	19.971	ug/l	97
7) Trichlorofluoromethane	3.01	101	66744	19.064	ug/l	99
8) Diethyl Ether	3.39	74	24394	20.932	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37194	19.135	ug/l	97
10) Methyl Iodide	3.93	142	48434	20.108	ug/l	97
11) Tert butyl alcohol	4.73	59	41466	113.702	ug/l	99
12) 1,1-Dichloroethene	3.72	96	37299	19.698	ug/l	99
13) Acrolein	3.58	56	33678	93.427	ug/l	95
14) Allyl chloride	4.30	41	58177	20.874	ug/l	96
15) Acrylonitrile	4.95	53	104808	117.679	ug/l	100
16) Acetone	3.78	43	115419	108.576	ug/l	97
17) Carbon Disulfide	4.03	76	109950	19.264	ug/l	100
18) Methyl Acetate	4.29	43	47466	23.770	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	131688	20.680	ug/l	98
20) Methylene Chloride	4.52	84	43919	20.709	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	40600	19.669	ug/l	92
22) Diisopropyl ether	5.92	45	131857	21.587	ug/l	95
23) Vinyl Acetate	5.86	43	565733	110.294	ug/l	98
24) 1,1-Dichloroethane	5.82	63	76625	20.709	ug/l	98
25) 2-Butanone	6.80	43	155306	116.165	ug/l	94
26) 2,2-Dichloropropane	6.80	77	69344	19.731	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	47087	19.492	ug/l	96
28) Bromochloromethane	7.17	49	33593	23.093	ug/l	92
29) Tetrahydrofuran	7.18	42	97399	118.752	ug/l	95
30) Chloroform	7.35	83	77263	19.934	ug/l	99
31) Cyclohexane	7.63	56	72330	20.985	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	69802	19.707	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57879	19.157	ug/l	99
37) Ethyl Acetate	6.90	43	61838	22.647	ug/l	99
38) Carbon Tetrachloride	7.75	117	61538	18.755	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060114.D
 Acq On : 17 Feb 2020 13:13
 Operator : JC/MD
 Sample : VN0217WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:26:55 AM

Quant Time: Feb 17 14:27:30 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	70856	18.893	ug/l	97
40) Benzene	8.02	78	170225	18.994	ug/l	99
41) Methacrylonitrile	7.15	41	23003m	20.088	ug/l	
42) 1,2-Dichloroethane	8.10	62	62628	19.938	ug/l	98
43) Isopropyl Acetate	8.14	43	102710	22.005	ug/l	96
44) Trichloroethene	8.82	130	45287	18.249	ug/l	91
45) 1,2-Dichloropropane	9.10	63	44621	20.110	ug/l	99
46) Dibromomethane	9.19	93	30511	19.459	ug/l	97
47) Bromodichloromethane	9.39	83	60752	19.058	ug/l	99
48) Methyl methacrylate	9.18	41	43387	20.718	ug/l	97
49) 1,4-Dioxane	9.18	88	14998	419.156	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	301799	111.707	ug/l	99
52) Toluene	10.14	92	107768	18.752	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	69652	19.357	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	73904	19.505	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	41966	18.717	ug/l	97
56) Ethyl methacrylate	10.42	69	64165	20.230	ug/l	99
57) 1,3-Dichloropropane	10.70	76	71934	19.444	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	157971	106.909	ug/l	98
59) 2-Hexanone	10.74	43	229779	110.101	ug/l	99
60) Dibromochloromethane	10.89	129	47502	18.462	ug/l	98
61) 1,2-Dibromoethane	10.99	107	44762	19.045	ug/l	99
64) Tetrachloroethene	10.62	164	41643	18.155	ug/l	99
65) Chlorobenzene	11.43	112	114120	18.565	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42871	18.435	ug/l	98
67) Ethyl Benzene	11.50	91	208093	18.769	ug/l	100
68) m/p-Xylenes	11.62	106	155423	37.351	ug/l	99
69) o-Xylene	11.94	106	76045	18.981	ug/l	99
70) Styrene	11.96	104	117825	18.237	ug/l	99
71) Bromoform	12.12	173	34475	18.432	ug/l #	98
73) Isopropylbenzene	12.25	105	203455	19.245	ug/l	100
74) N-amyl acetate	12.07	43	83350	21.864	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	63076	20.728	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	57037m	21.057	ug/l	
77) Bromobenzene	12.52	156	50057	19.079	ug/l	96
78) n-propylbenzene	12.59	91	230182	19.110	ug/l	99
79) 2-Chlorotoluene	12.67	91	134232	18.960	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	170020	19.342	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22636	20.462	ug/l	98
82) 4-Chlorotoluene	12.77	91	136947	18.854	ug/l	98
83) tert-Butylbenzene	12.99	119	144764	18.617	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	169088	19.487	ug/l	100
85) sec-Butylbenzene	13.17	105	196293	19.061	ug/l	100
86) p-Isopropyltoluene	13.28	119	176872	18.956	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	85523	18.415	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86596	18.650	ug/l	98
89) n-Butylbenzene	13.61	91	157218	19.157	ug/l	98
90) Hexachloroethane	13.87	117	32196	18.471	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	86480	19.027	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13790	20.863	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
Data File : VN060114.D
Acq On : 17 Feb 2020 13:13
Operator : JC/MD
Sample : VN0217WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

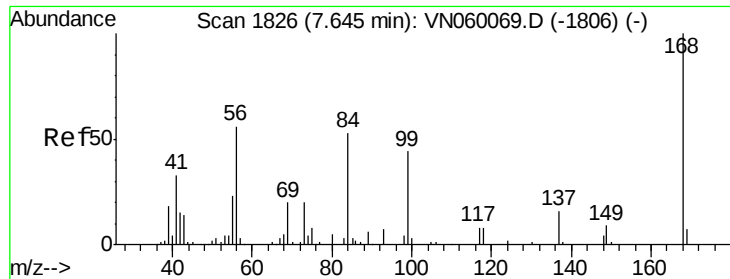
Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM

Quant Time: Feb 17 14:27:30 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	14.90	180	49543	18.552	ug/l	99
94) Hexachlorobutadiene	15.01	225	28348	18.132	ug/l	100
95) Naphthalene	15.13	128	145808	20.212	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49982	18.794	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0217WBSD01

Tot Ion:168 Resp: 200278

Ion Ratio Lower Upper

168 100

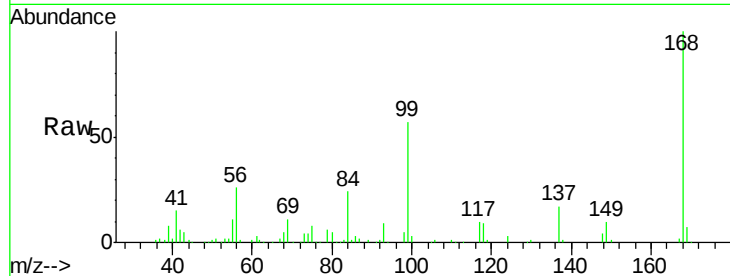
99 56.9 42.7 64.1

Manual Integrations

APPROVED

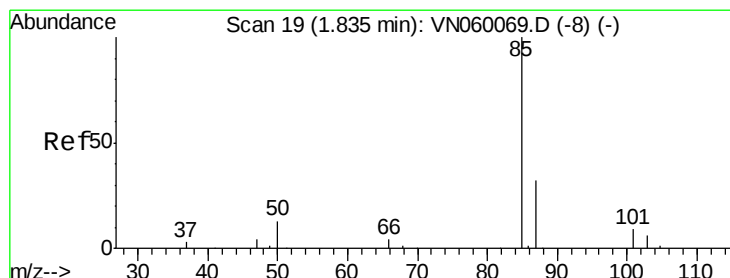
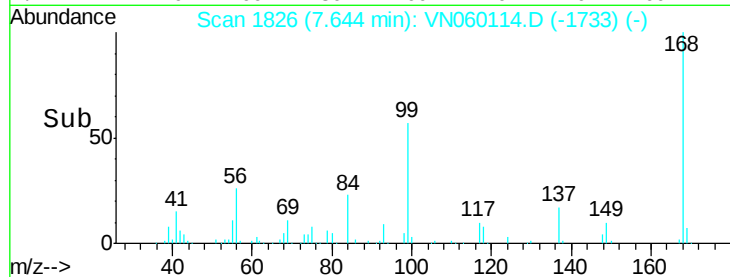
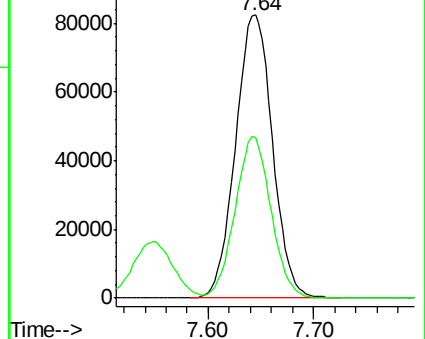
MMDadoda

2/18/2020 9:26:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.655 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060114.D

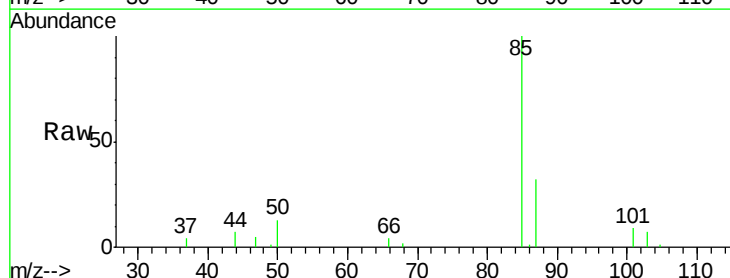
Acq: 17 Feb 2020 13:13

Tgt Ion: 85 Resp: 39348

Ion Ratio Lower Upper

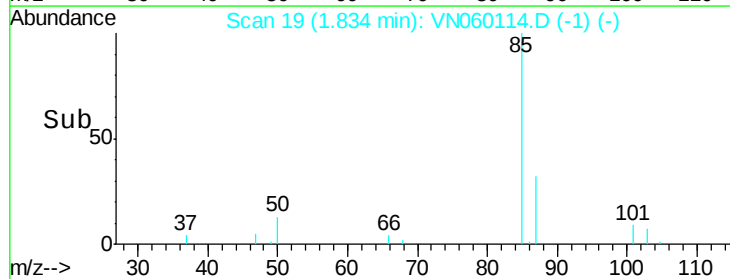
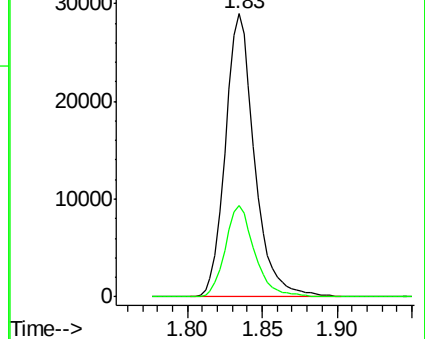
85 100

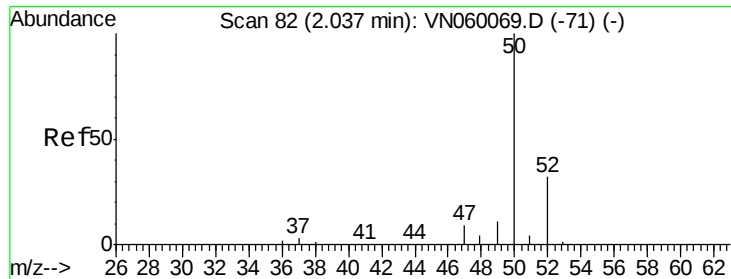
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.859 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0217WBSD01

Tot Ion: 50 Resp: 49694

Ion Ratio Lower Upper

50 100

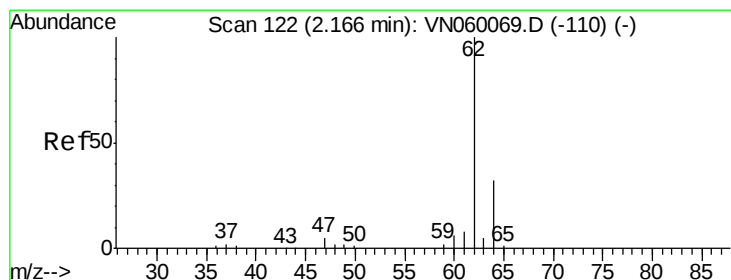
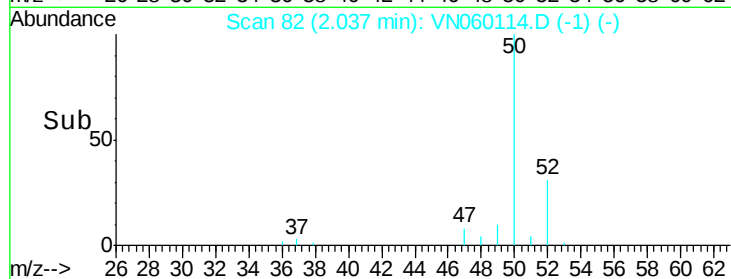
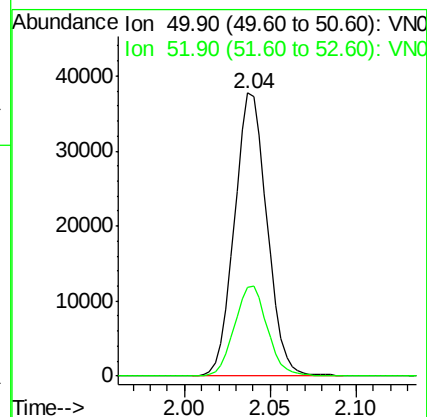
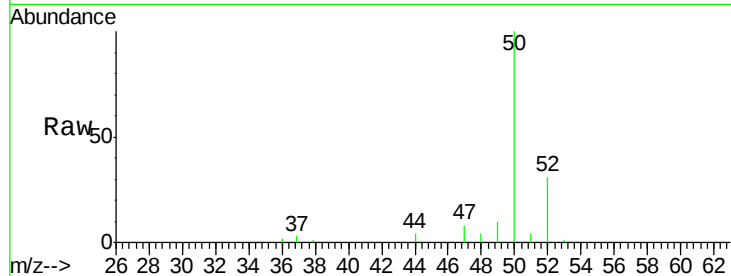
52 31.4 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:55 AM



#4

Vinyl Chloride

Concen: 20.061 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060114.D

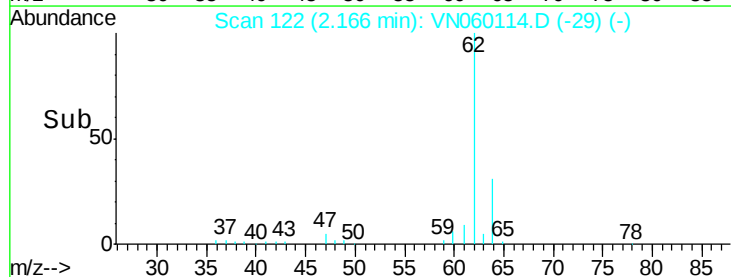
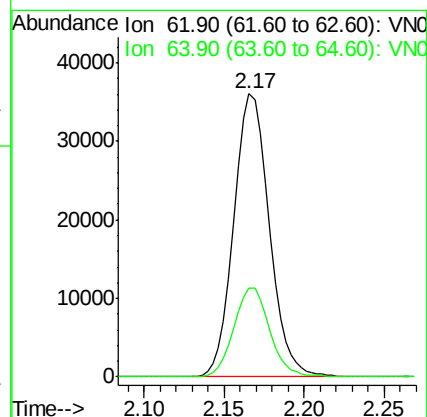
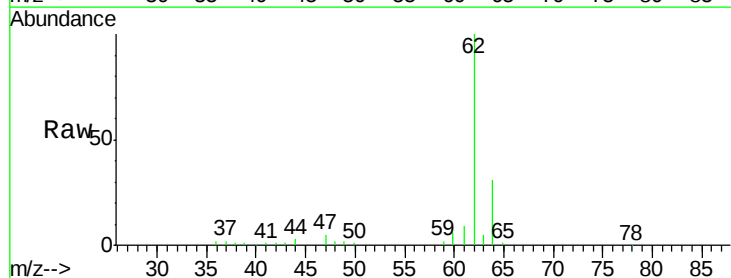
Acq: 17 Feb 2020 13:13

Tgt Ion: 62 Resp: 54474

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 18.960 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0217WBSD01

Tot Ion: 94 Resp: 31569

Ion Ratio Lower Upper

94 100

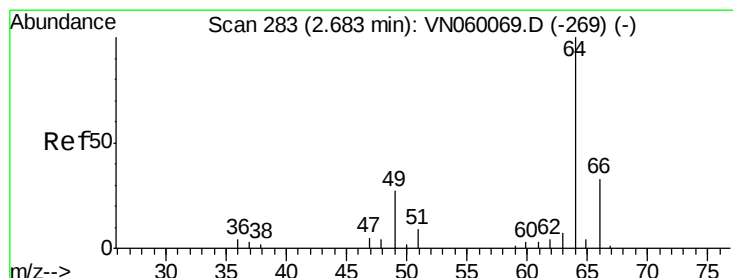
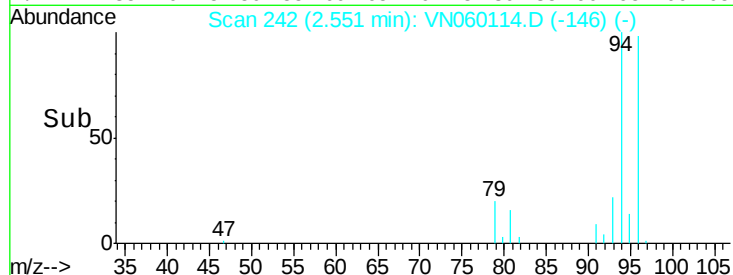
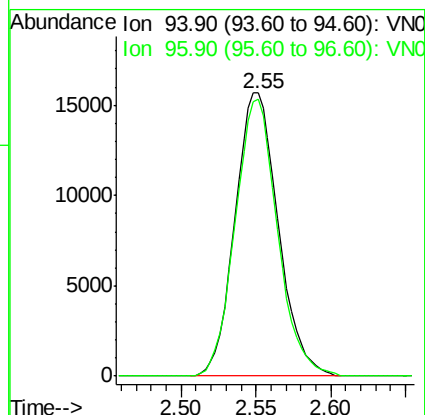
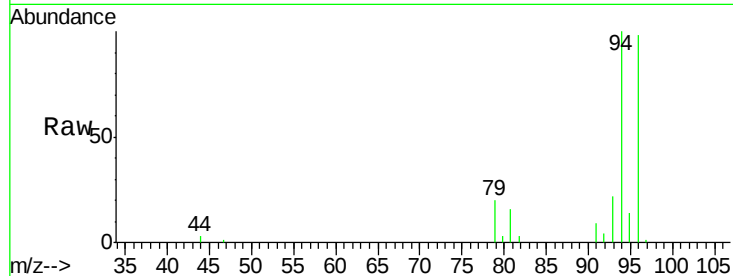
96 97.8 76.7 115.1

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:55 AM



#6

Chloroethane

Concen: 19.971 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060114.D

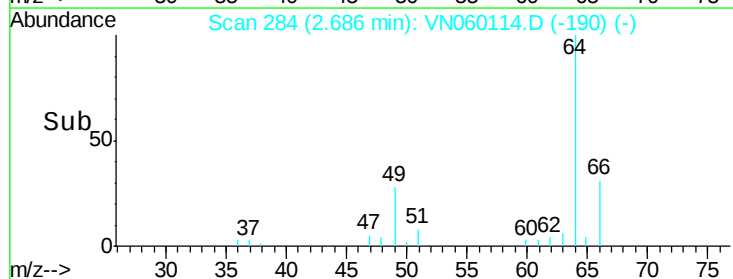
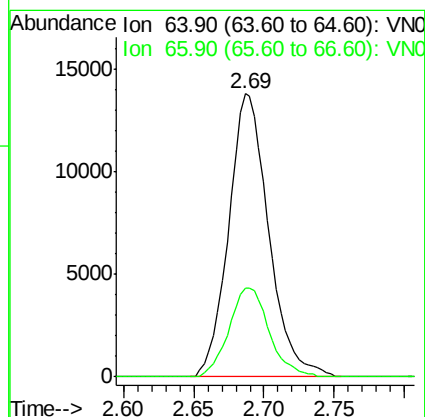
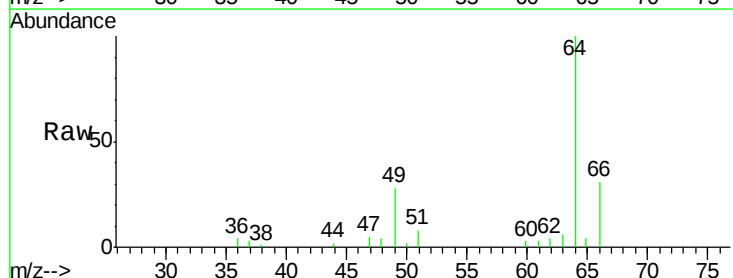
Acq: 17 Feb 2020 13:13

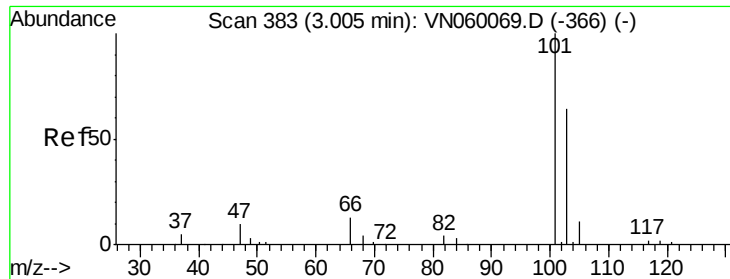
Tgt Ion: 64 Resp: 27430

Ion Ratio Lower Upper

64 100

66 31.3 26.6 40.0





#7

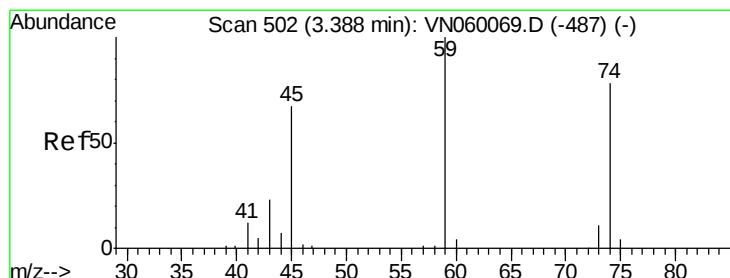
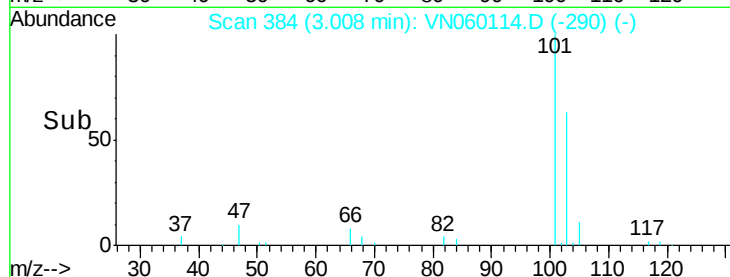
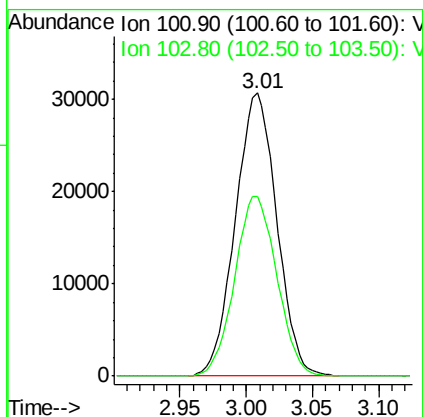
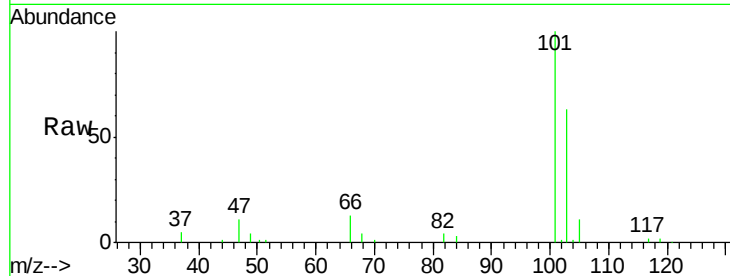
Trichlorofluoromethane
Concen: 19.064 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion:101 Resp: 66744
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.6

Manual Integrations
APPROVED

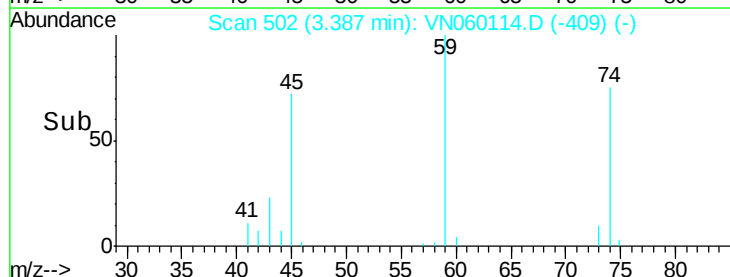
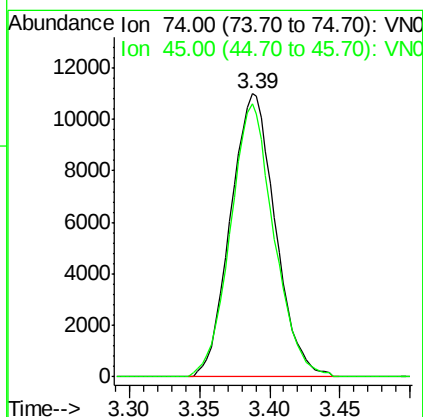
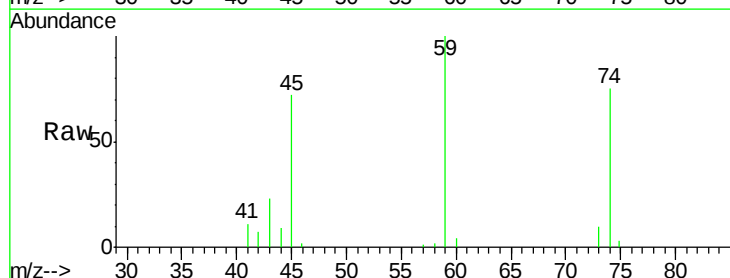
MMDadoda
2/18/2020 9:26:55 AM



#8

Diethyl Ether
Concen: 20.932 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 74 Resp: 24394
Ion Ratio Lower Upper
74 100
45 93.9 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.135 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

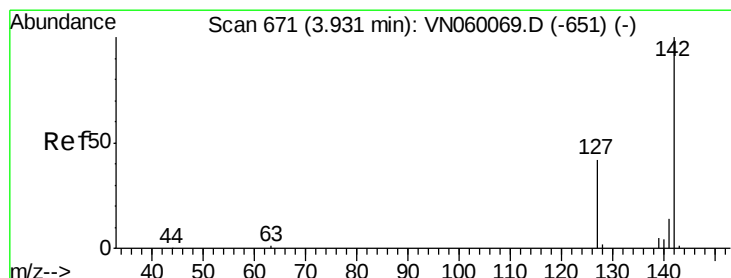
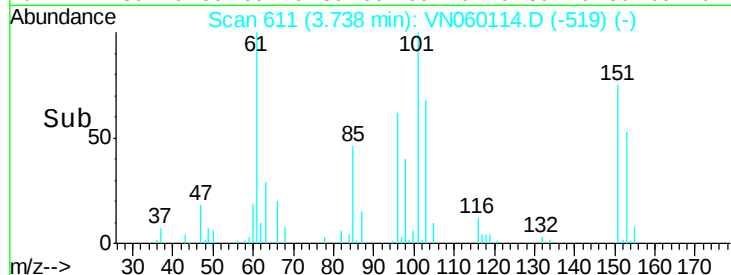
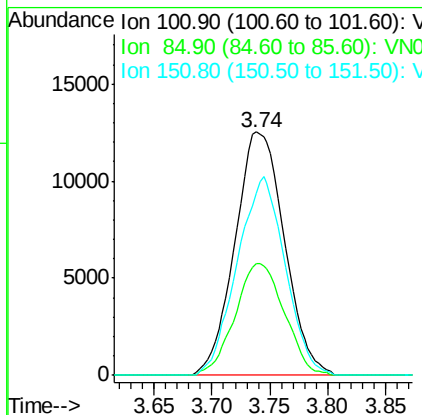
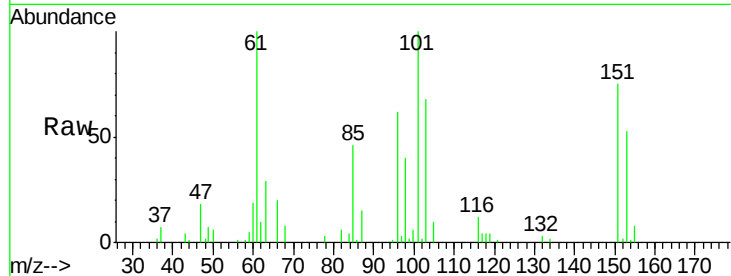
ClientSampleId :

VN0217WBSD01

Tot Ion:	101	Resp:	37194
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.1	52.7
151	79.1	65.8	98.6

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#10

Methyl Iodide

Concen: 20.108 ug/l

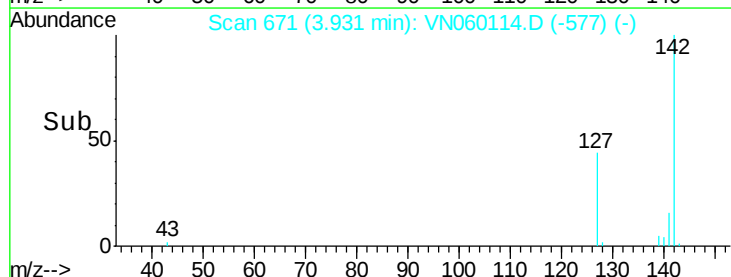
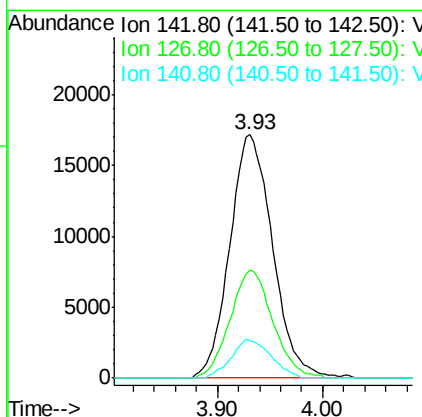
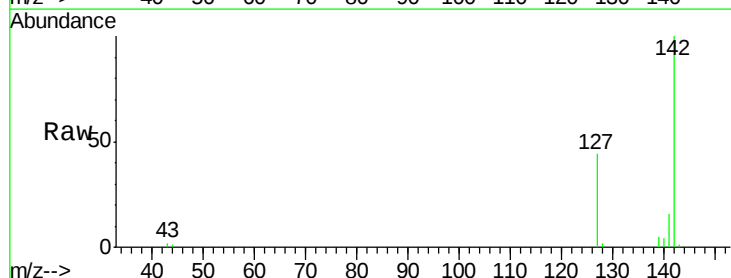
RT: 3.93 min Scan# 671

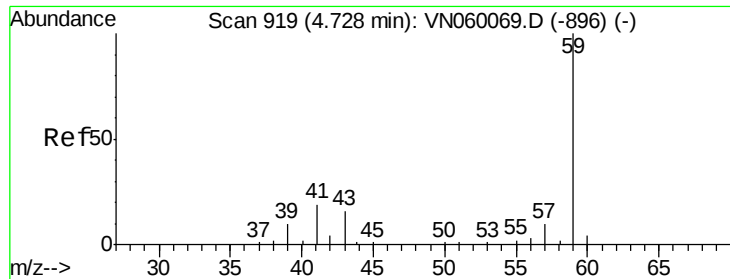
Delta R.T. 0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion:	142	Resp:	48434
Ion Ratio	Lower	Upper	
142	100		
127	44.2	33.6	50.4
141	14.7	11.4	17.2





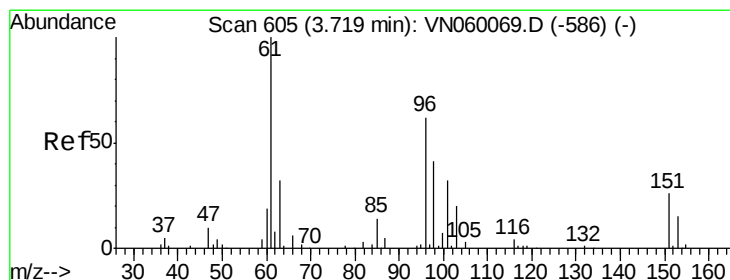
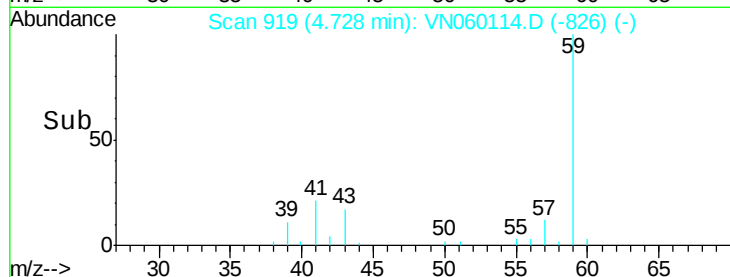
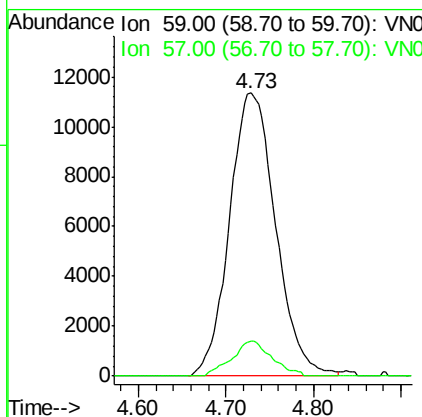
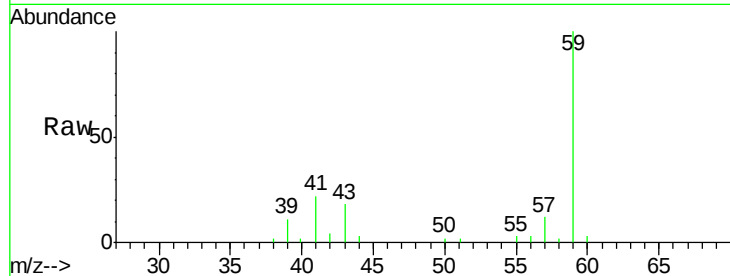
#11
Tert butyl alcohol
Concen: 113.702 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion: 59 Resp: 41466
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4

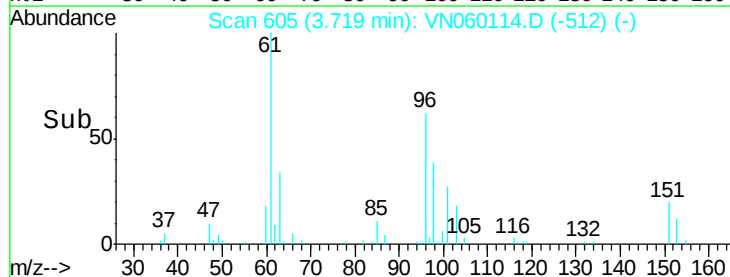
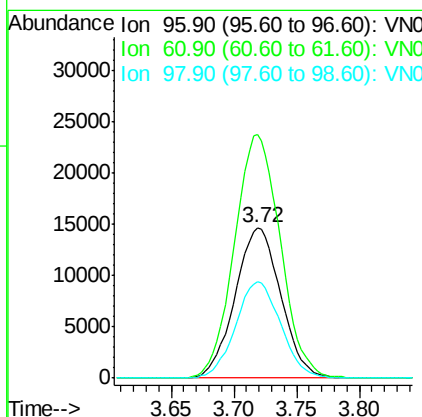
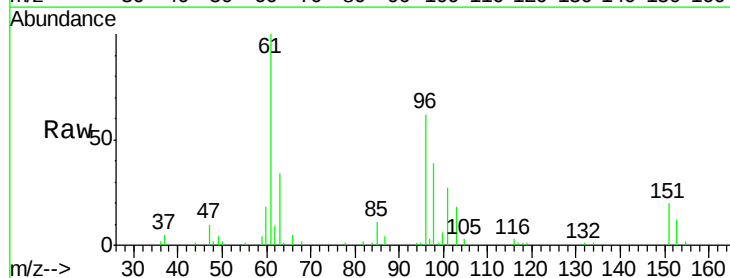
Manual Integrations
APPROVED

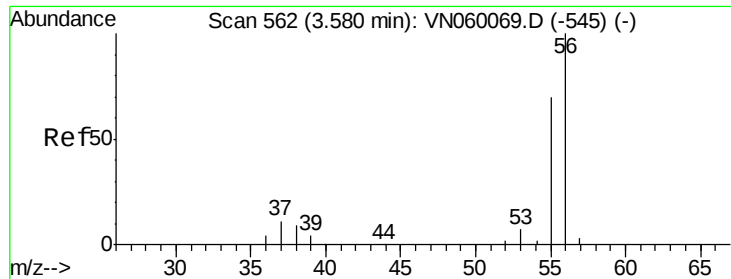
MMDadoda
2/18/2020 9:26:55 AM



#12
1,1-Dichloroethene
Concen: 19.698 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 96 Resp: 37299
Ion Ratio Lower Upper
96 100
61 161.5 128.3 192.5
98 63.6 52.2 78.4





#13

Acrolein

Concen: 93.427 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tot Ion: 56 Resp: 33678

Ion Ratio Lower Upper

56 100

55 72.7 54.8 82.2

Instrument :

MSVOA_N

ClientSampleId :

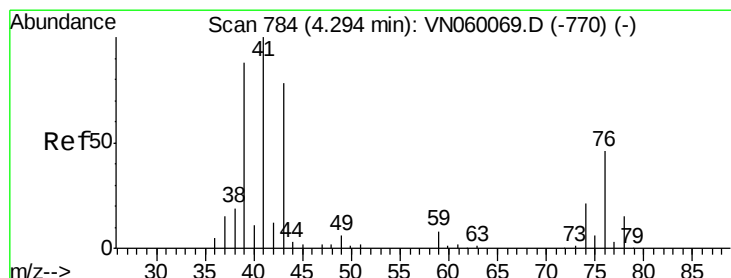
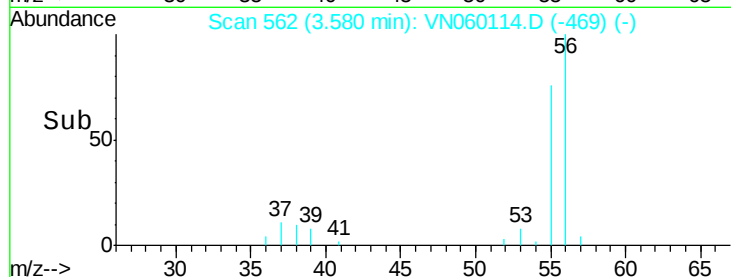
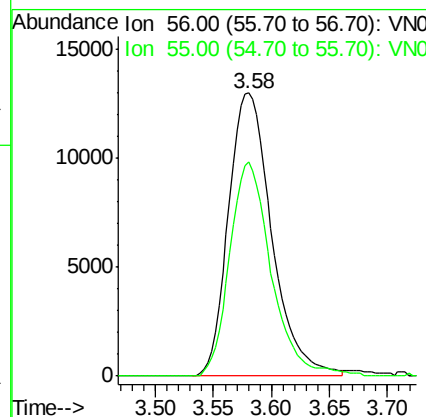
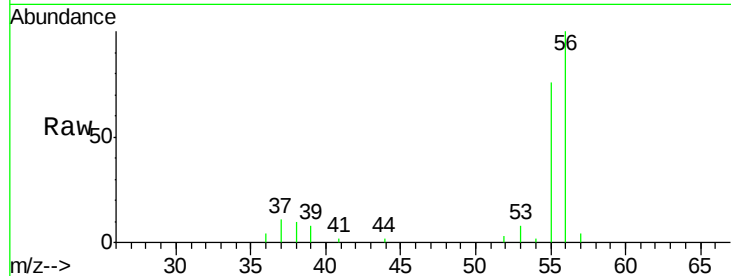
VN0217WBSD01

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:55 AM



#14

Allyl chloride

Concen: 20.874 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

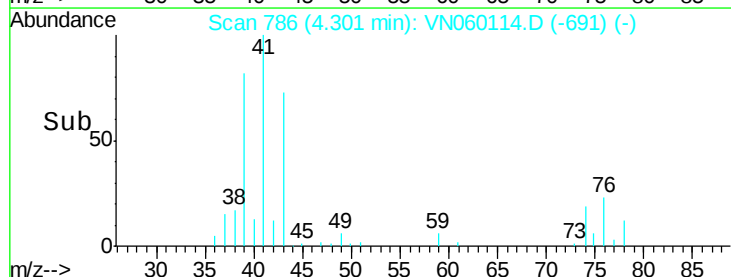
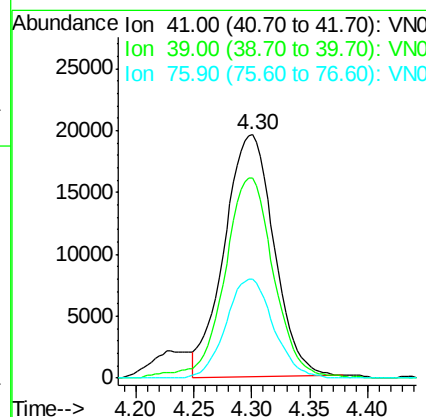
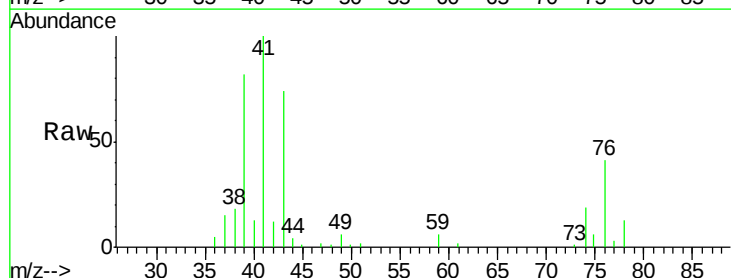
Tgt Ion: 41 Resp: 58177

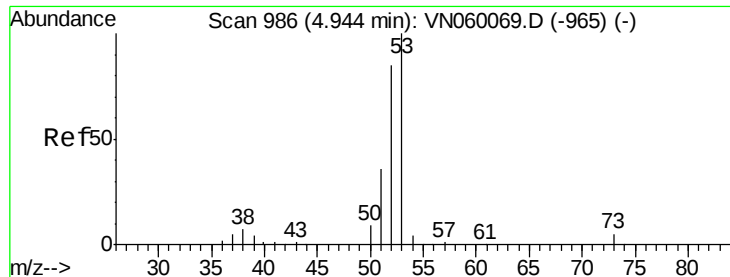
Ion Ratio Lower Upper

41 100

39 81.1 67.8 101.8

76 39.1 33.9 50.9





#15

Acrylonitrile

Concen: 117.679 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

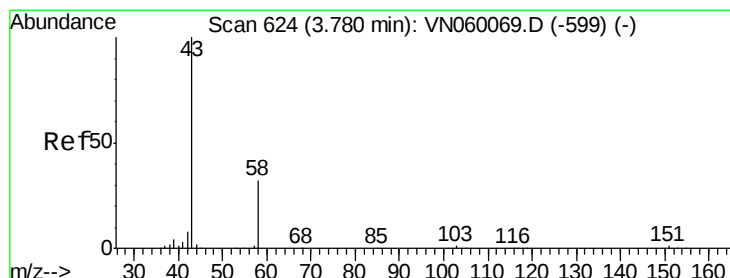
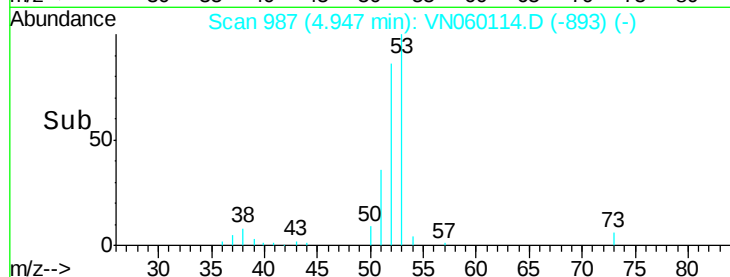
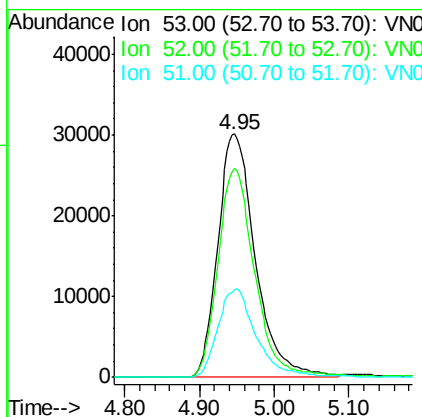
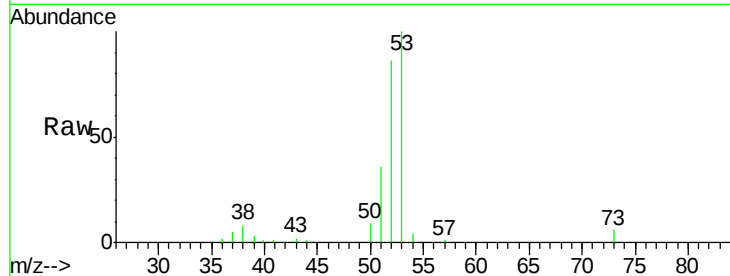
ClientSampleId :

VN0217WBSD01

Tot Ion:	53	Resp:	104808
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.8	100.2
51	37.0	29.4	44.0

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#16

Acetone

Concen: 108.576 ug/l

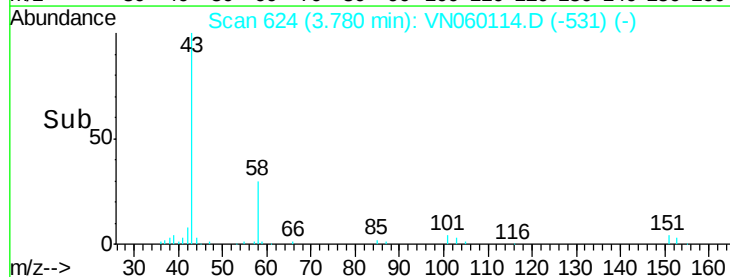
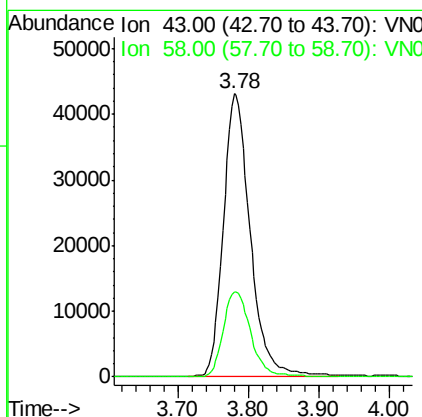
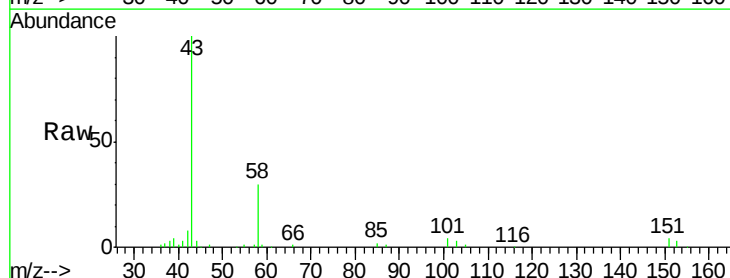
RT: 3.78 min Scan# 624

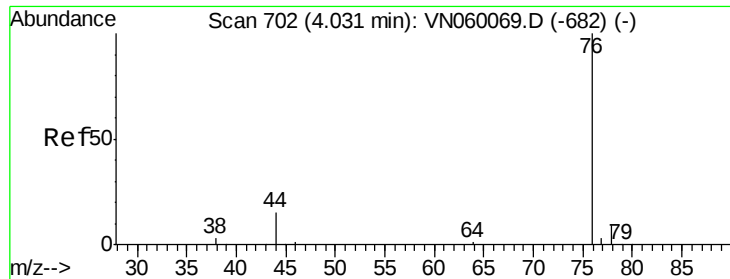
Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion:	43	Resp:	115419
Ion	Ratio	Lower	Upper
43	100		
58	29.9	25.2	37.8





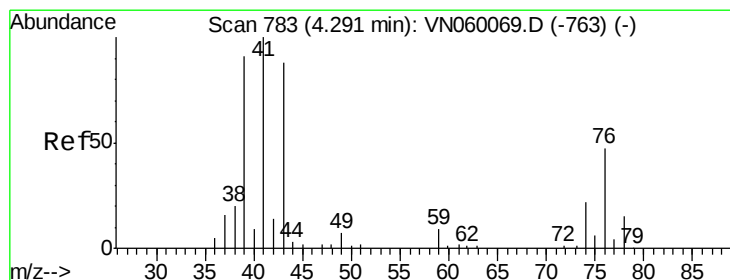
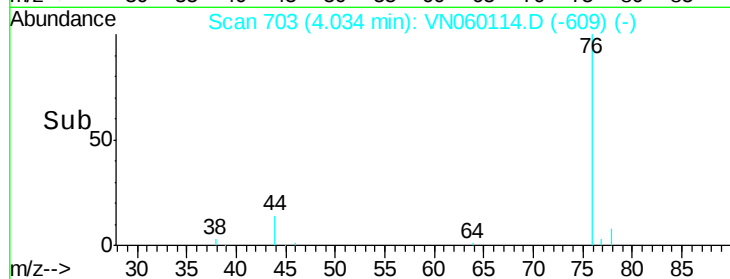
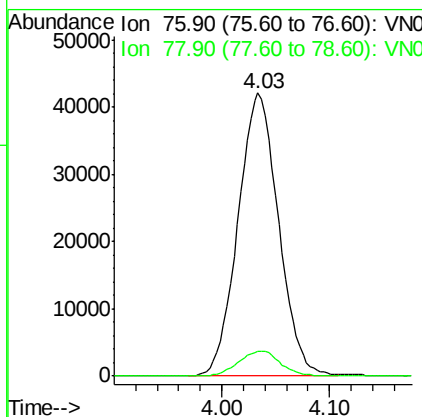
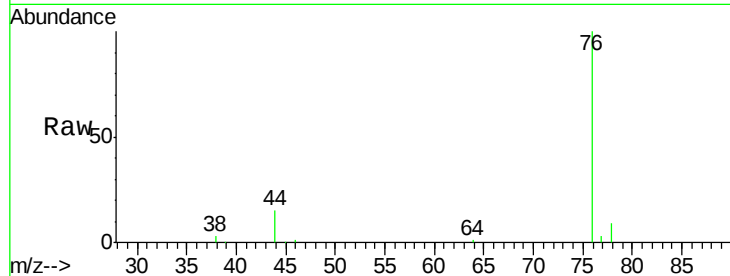
#17
Carbon Disulfide
Concen: 19.264 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

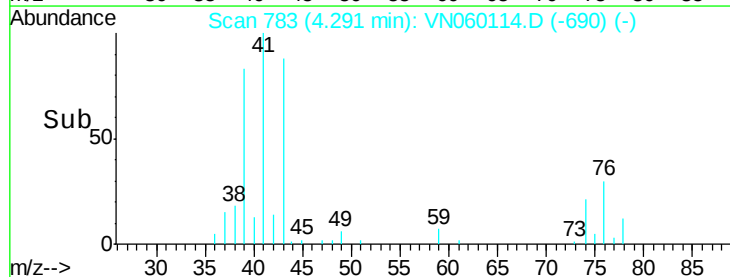
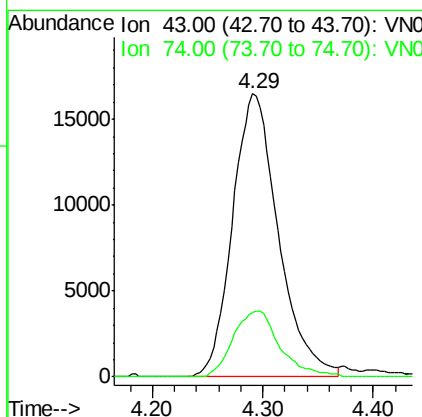
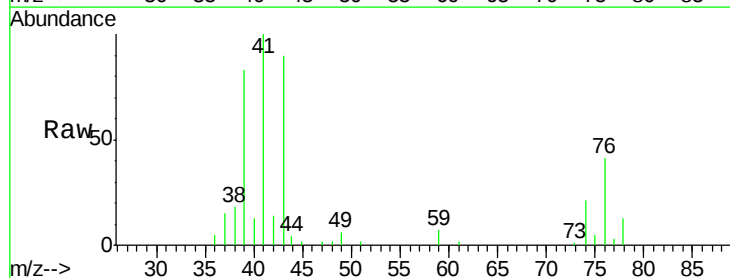
Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#18
Methyl Acetate
Concen: 23.770 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	20.3	30.5





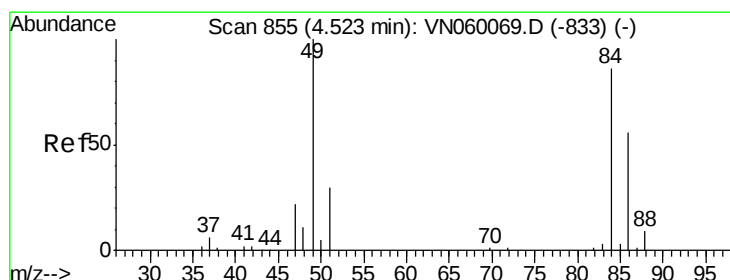
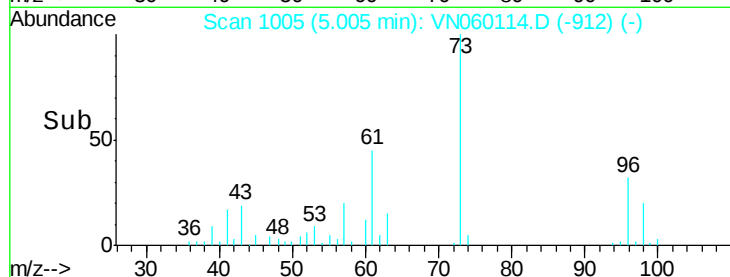
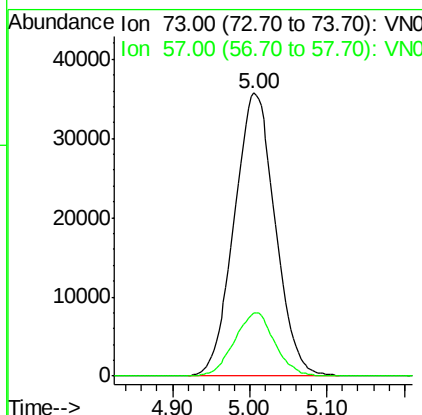
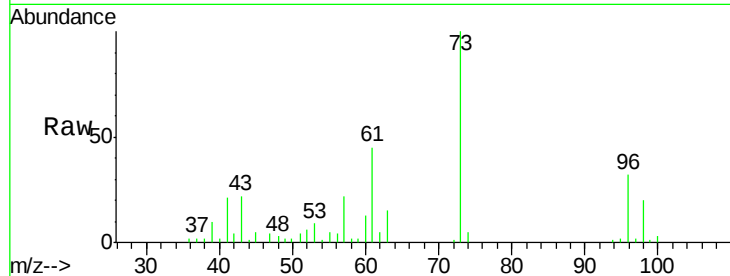
#19
Methvl tert-butvl Ether
Concen: 20.680 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion: 73 Resp: 131688
Ion Ratio Lower Upper
73 100
57 22.3 17.2 25.8

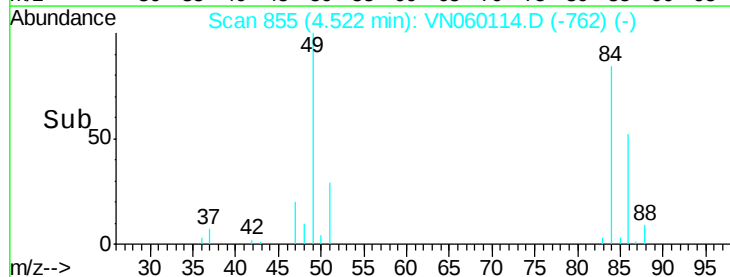
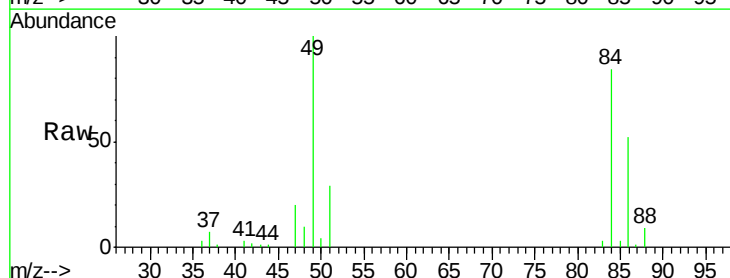
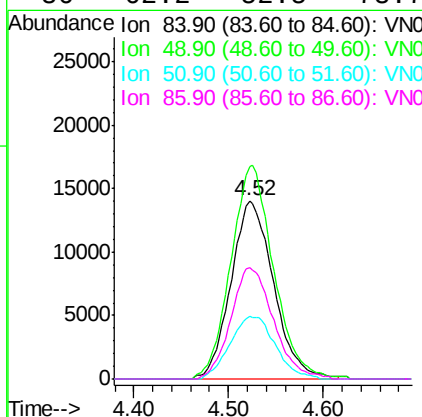
Manual Integrations
APPROVED

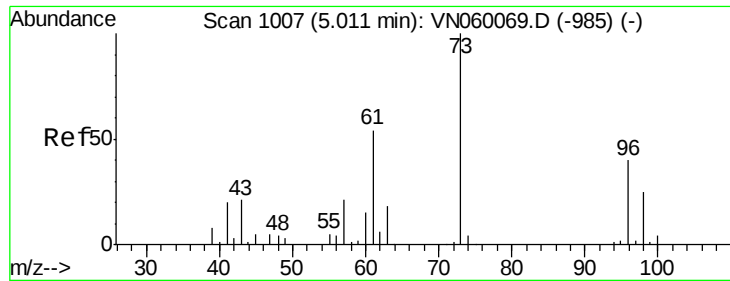
MMDadoda
2/18/2020 9:26:55 AM



#20
Methylene Chloride
Concen: 20.709 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 84 Resp: 43919
Ion Ratio Lower Upper
84 100
49 118.8 93.4 140.0
51 34.9 28.4 42.6
86 62.2 52.5 78.7





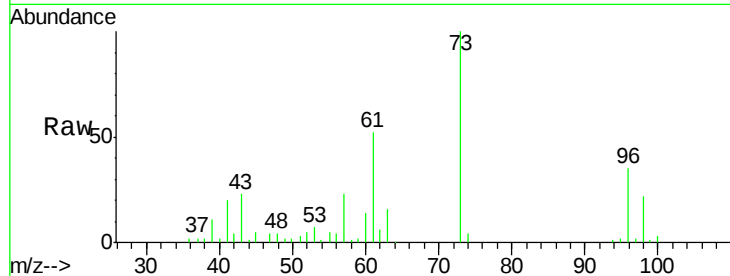
#21
trans-1,2-Dichloroethene
Concen: 19.669 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.2	109.3	163.9
98	62.5	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM

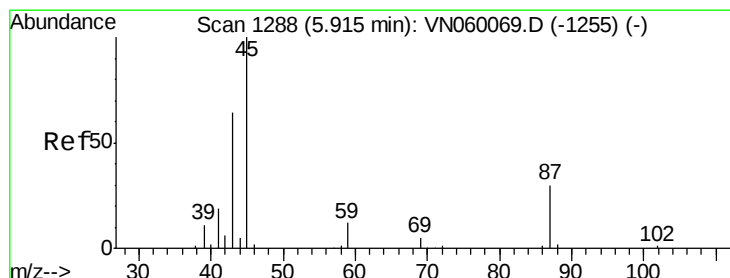
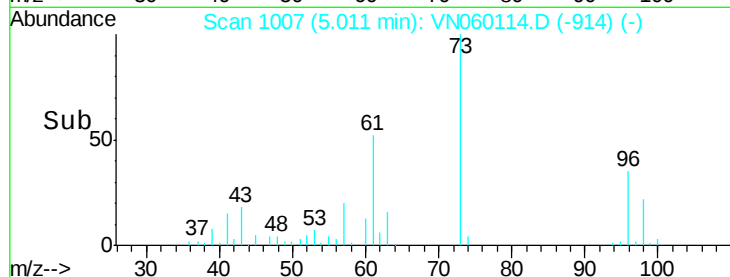
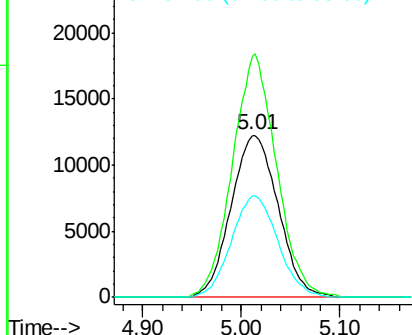


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 21.587 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.5	55.9	83.9
87	27.8	24.5	36.7
59	10.9	9.9	14.9

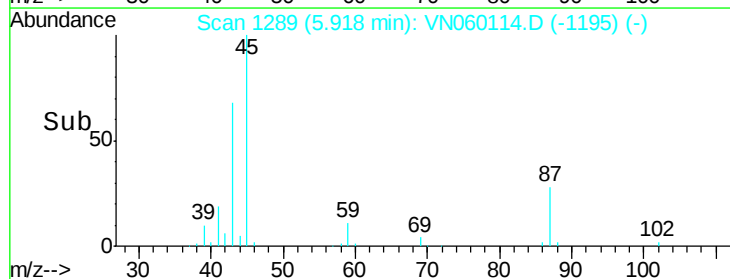
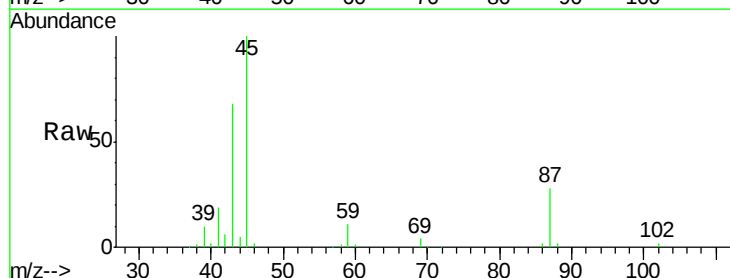
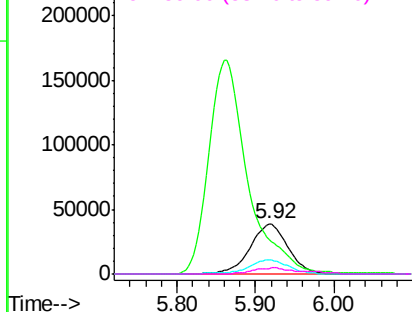
Abundance

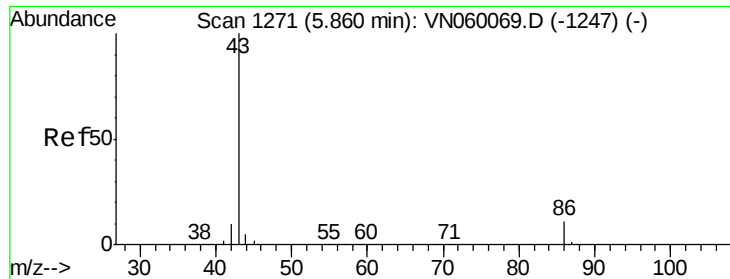
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





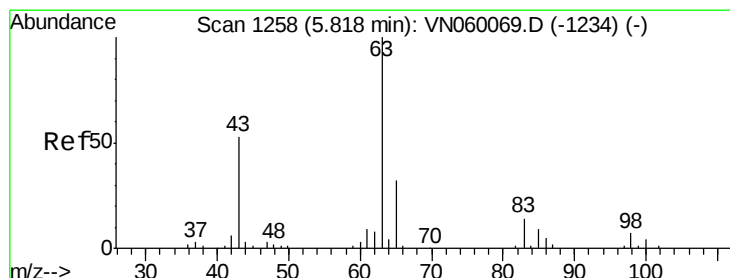
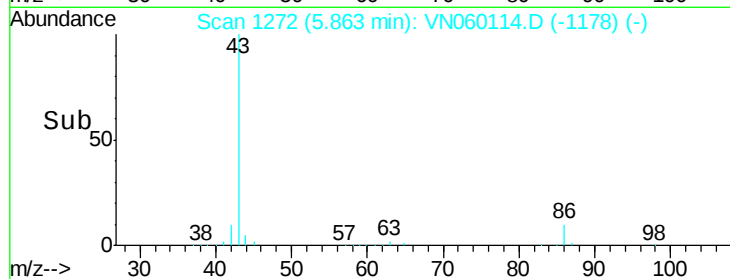
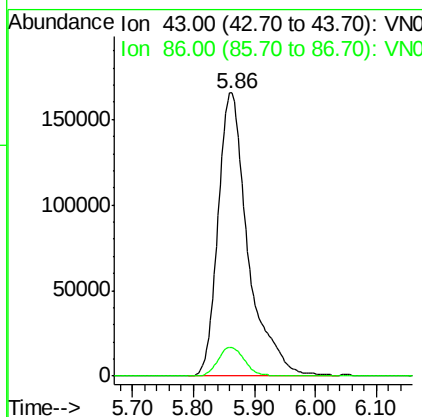
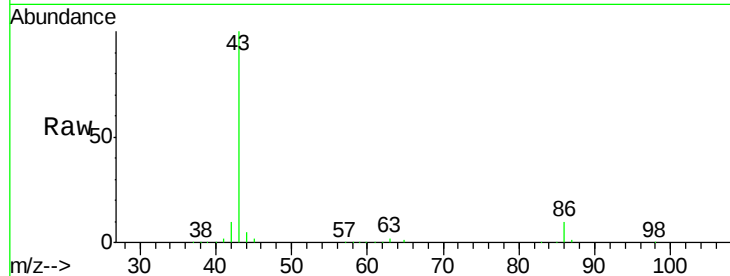
#23
 Vinyl Acetate
 Concen: 110.294 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.9	13.3

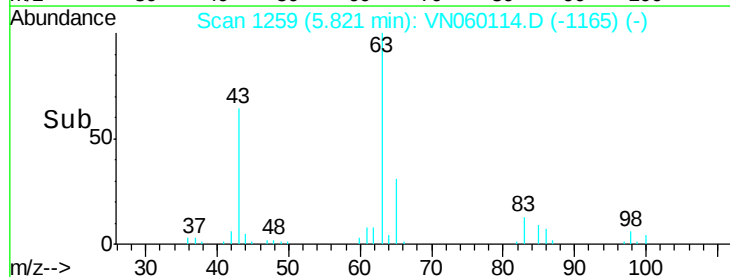
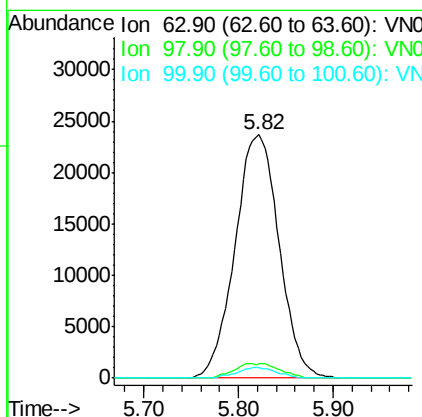
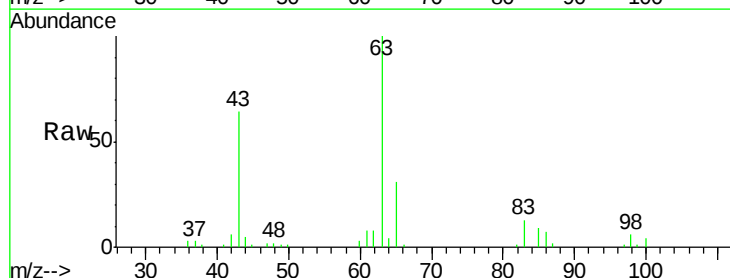
Manual Integrations
 APPROVED

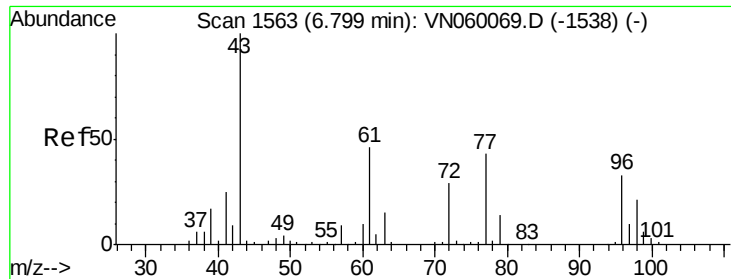
MMDadoda
 2/18/2020 9:26:55 AM



#24
 1,1-Dichloroethane
 Concen: 20.709 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.5	10.5
100	4.2	2.2	6.6





#25

2-Butanone

Concen: 116.165 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0217WBSD01

Tot Ion: 43 Resp: 155306

Ion Ratio Lower Upper

43 100

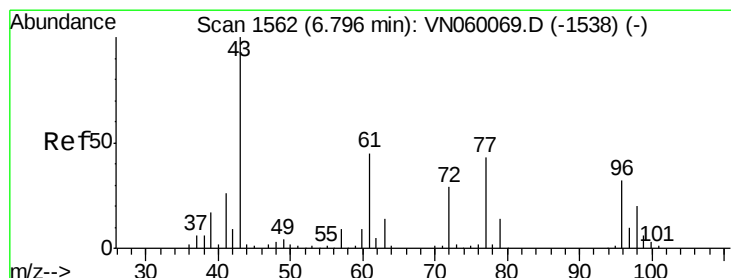
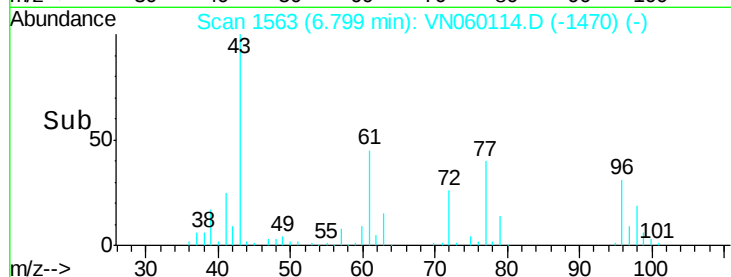
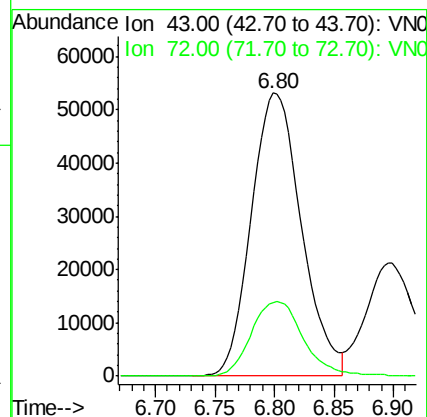
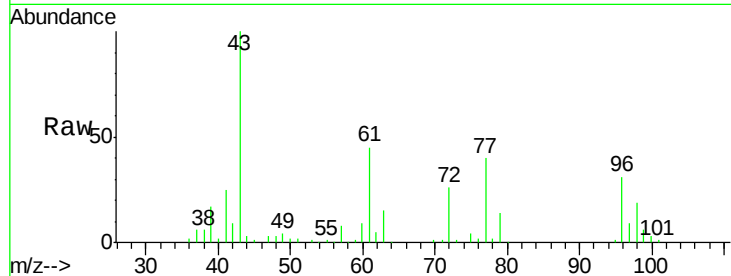
72 26.1 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:55 AM



#26

2,2-Dichloropropane

Concen: 19.731 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060114.D

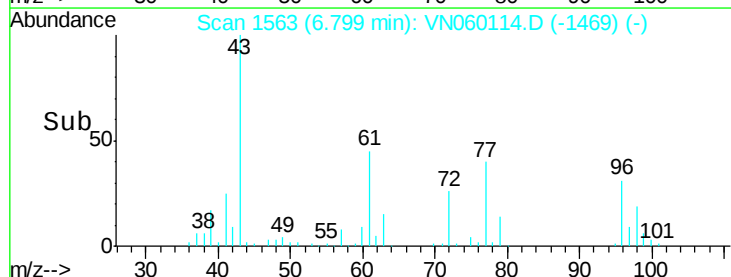
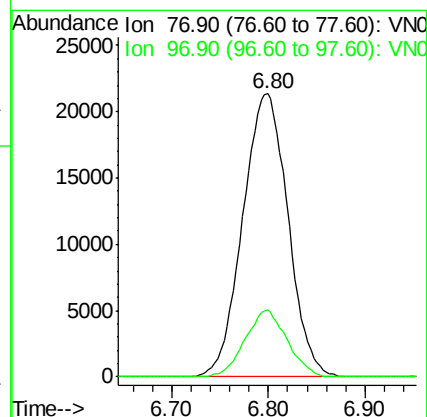
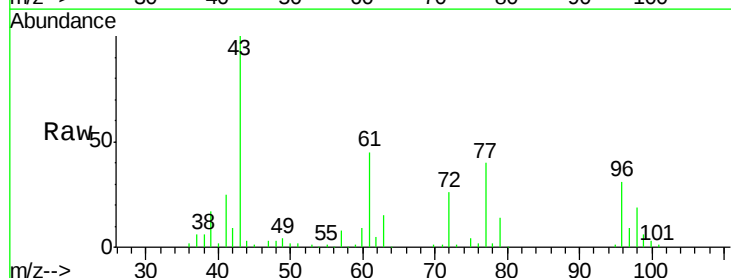
Acq: 17 Feb 2020 13:13

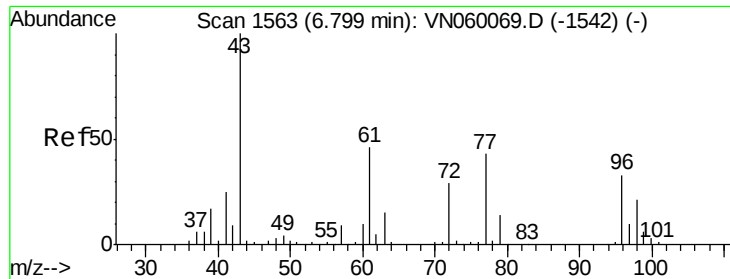
Tgt Ion: 77 Resp: 69344

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.2





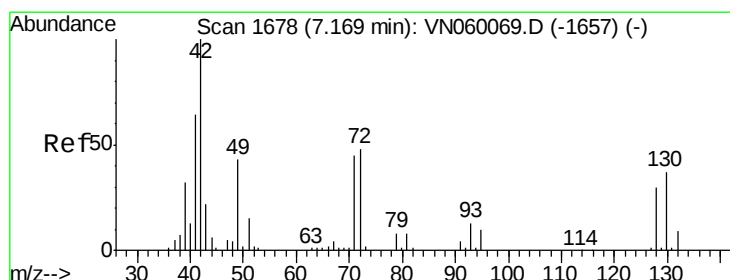
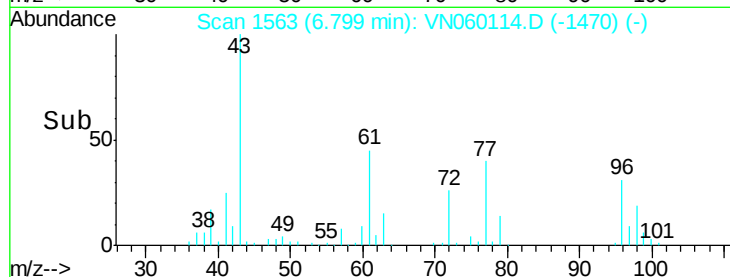
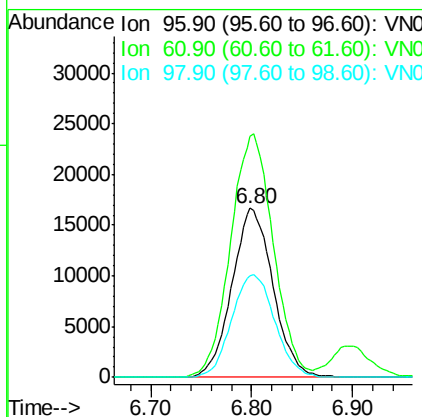
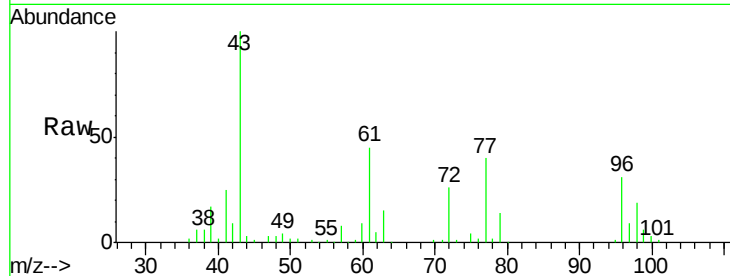
#27
 cis-1,2-Dichloroethene
 Concen: 19.492 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	285.8
98	63.7	0.0	129.6

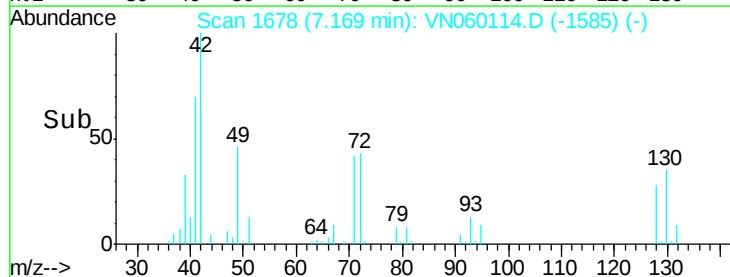
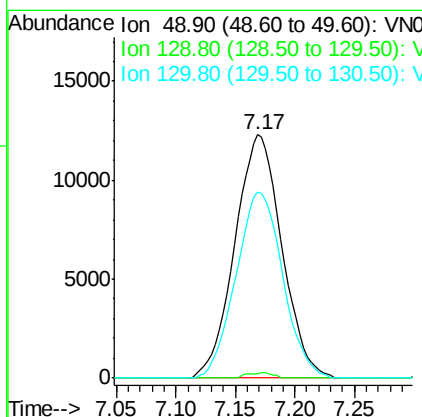
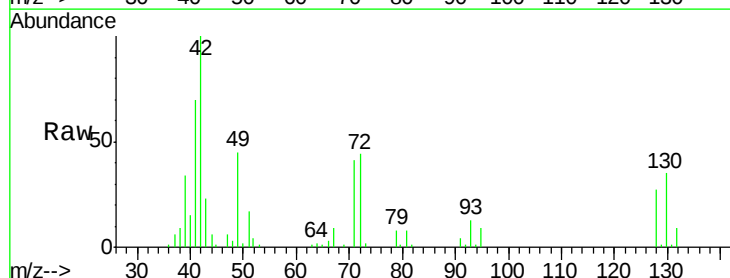
Manual Integrations
 APPROVED

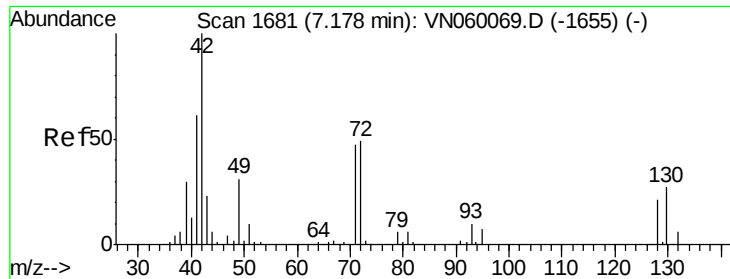
MMDadoda
 2/18/2020 9:26:55 AM



#28
 Bromochloromethane
 Concen: 23.093 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.2
130	76.2	66.8	100.2





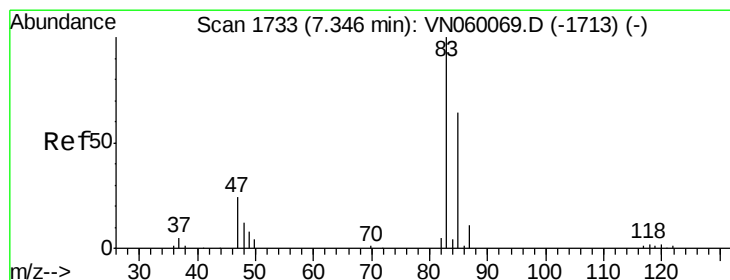
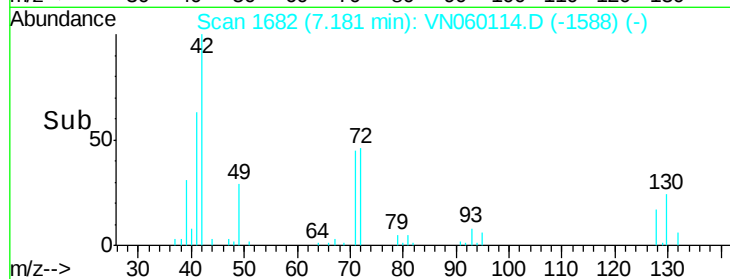
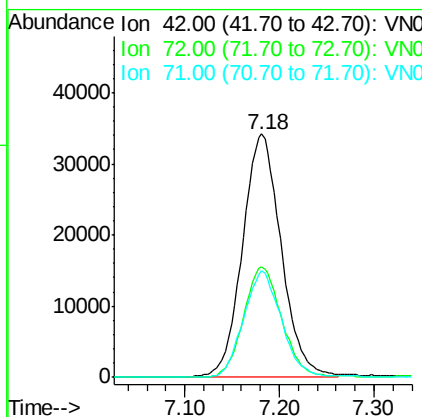
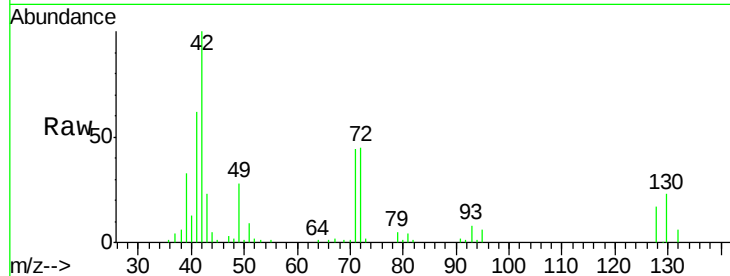
#29
Tetrahydrofuran
Concen: 118.752 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	38.2	57.4
71	42.6	36.6	54.8

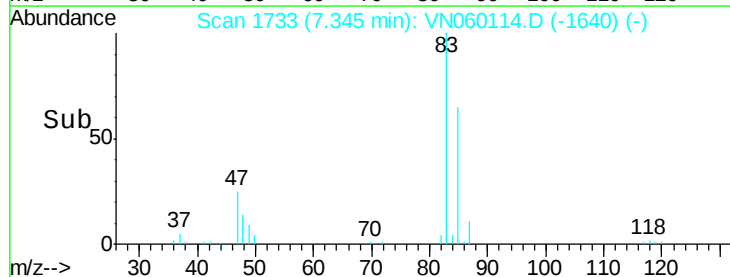
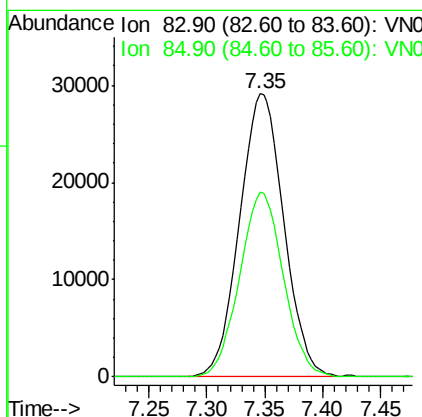
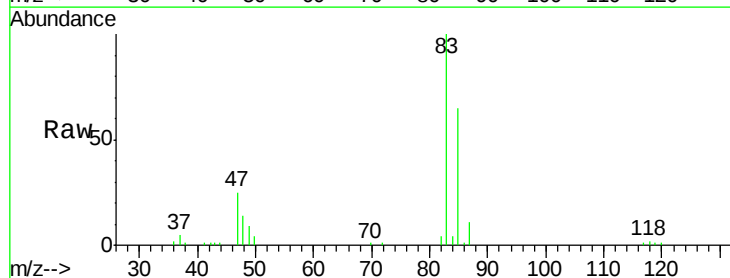
Manual Integrations
APPROVED

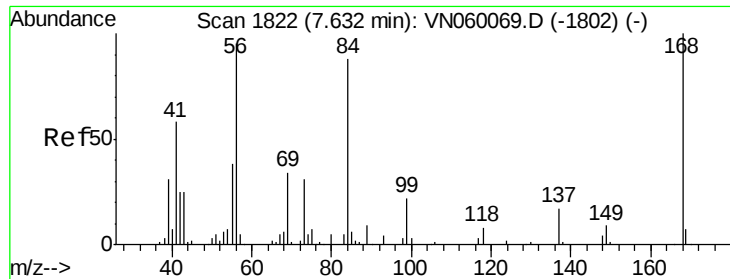
MMDadoda
2/18/2020 9:26:55 AM



#30
Chloroform
Concen: 19.934 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.0





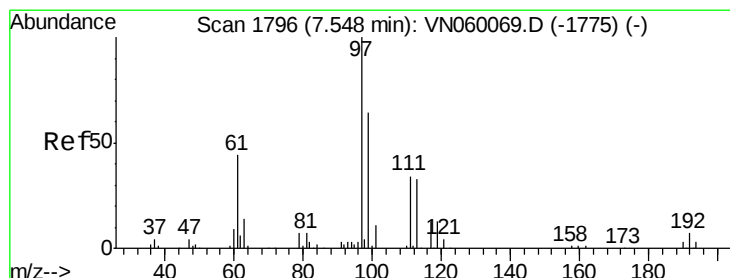
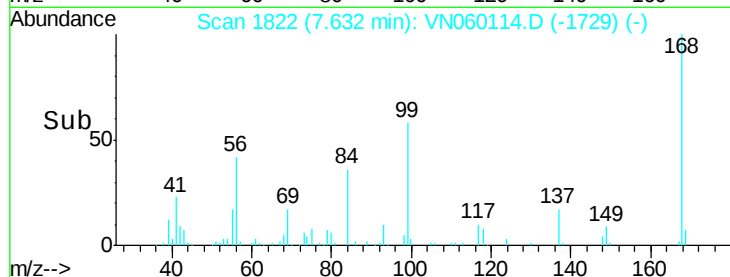
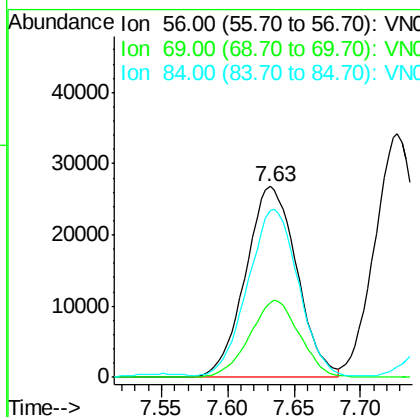
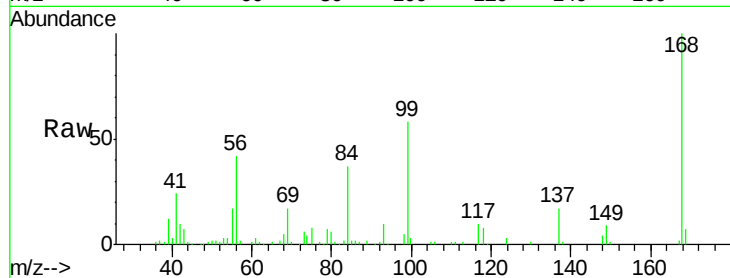
#31
Cyclohexane
Concen: 20.985 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.2	28.3	42.5
84	86.3	72.6	108.8

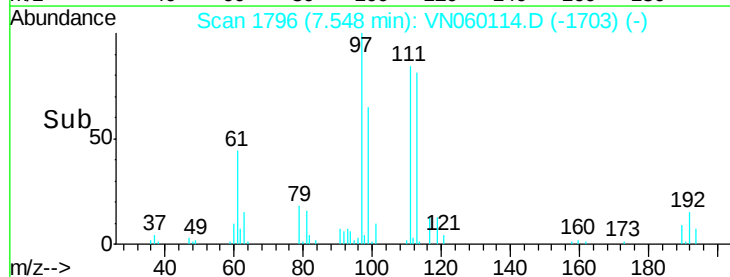
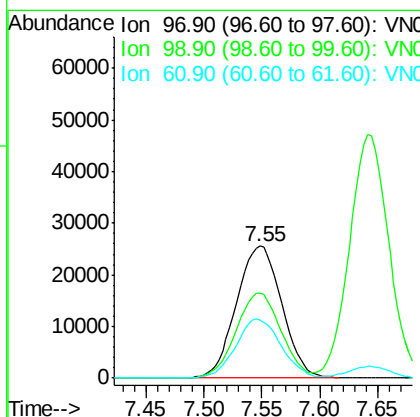
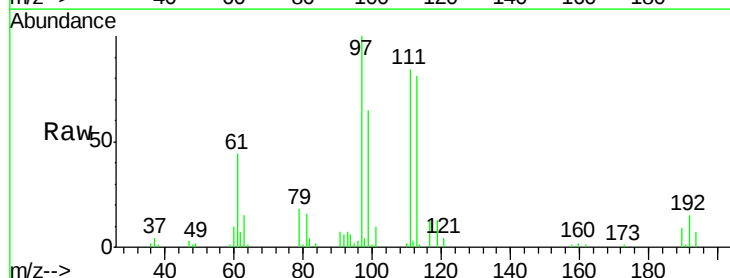
Manual Integrations
APPROVED

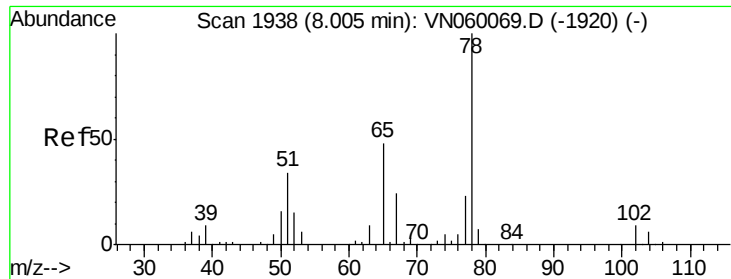
MMDadoda
2/18/2020 9:26:55 AM



#32
1,1,1-Trichloroethane
Concen: 19.707 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	44.3	34.9	52.3





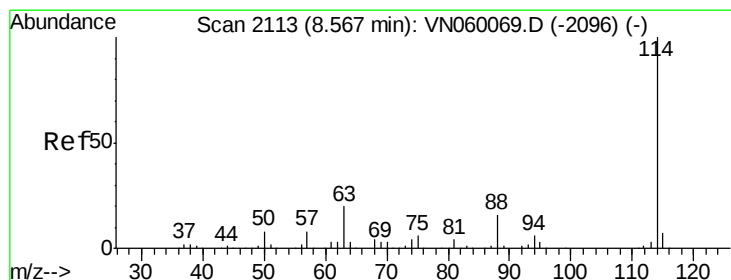
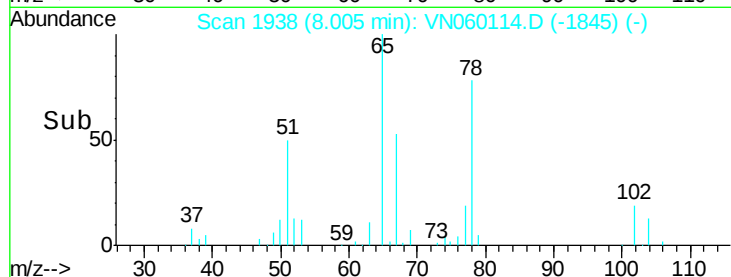
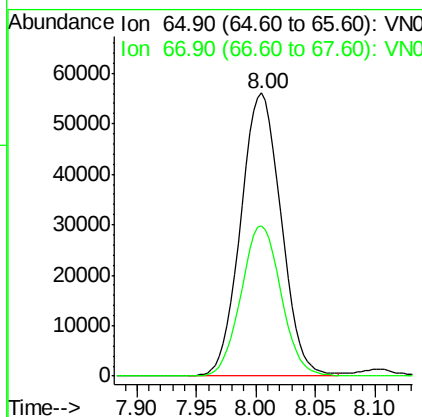
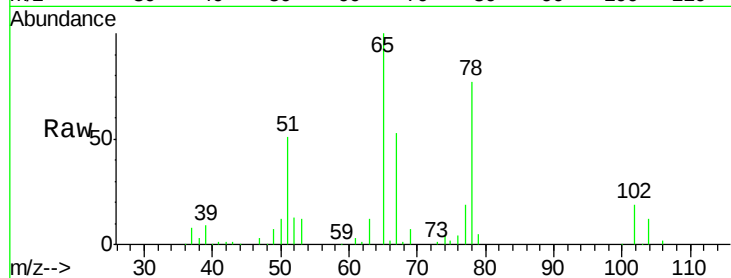
#33
 1,2-Dichloroethane-d4
 Concen: 54.275 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132270		
67	52.6	0.0	104.0	

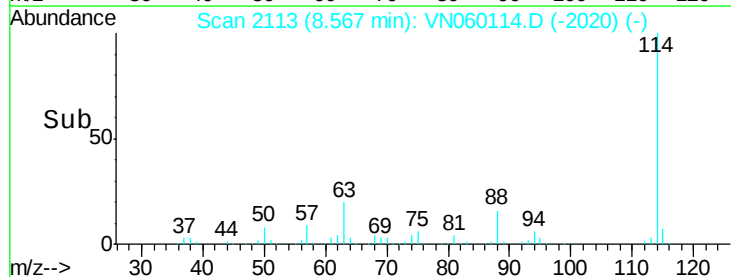
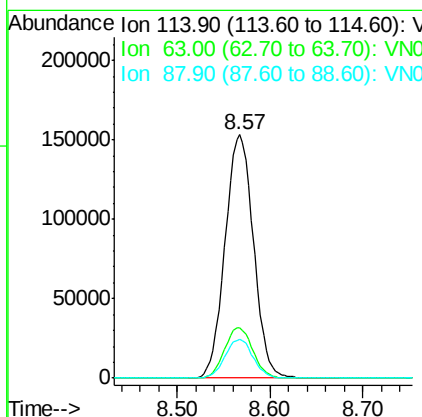
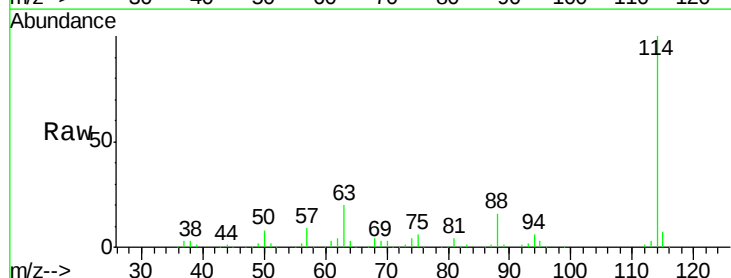
Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:26:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	326185		
63	20.4	0.0	40.0	
88	16.0	0.0	31.6	





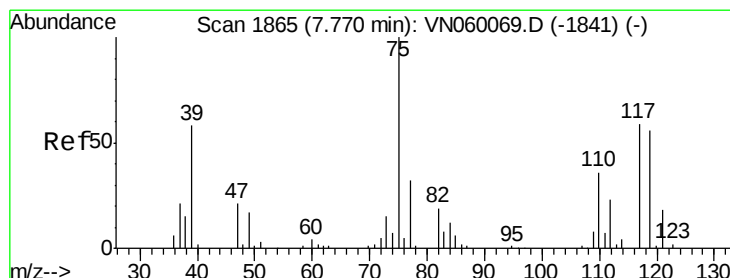
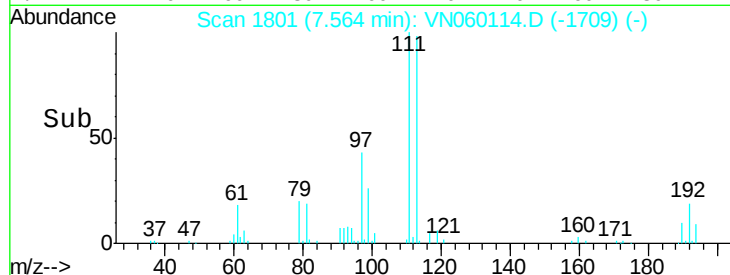
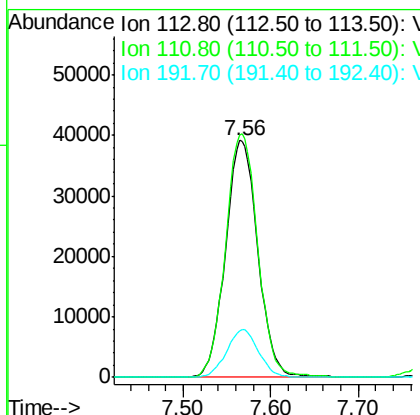
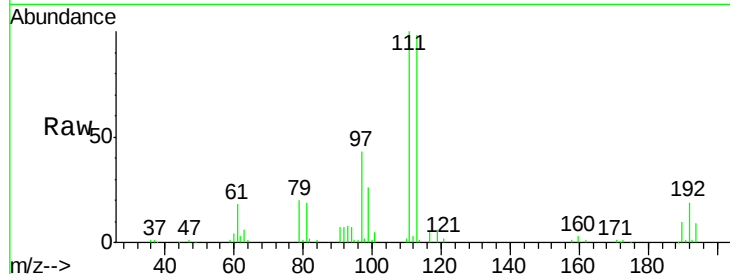
#35
 Dibromofluoromethane
 Concen: 49.989 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100231		
111	102.8		81.4	122.2
192	19.9		16.2	24.2

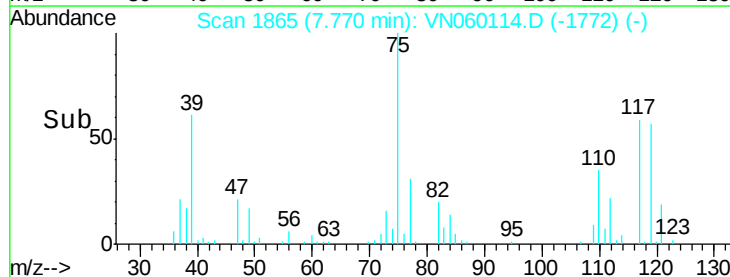
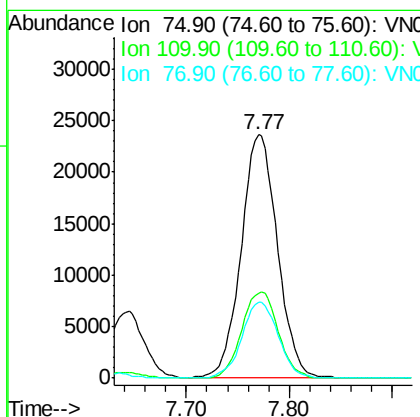
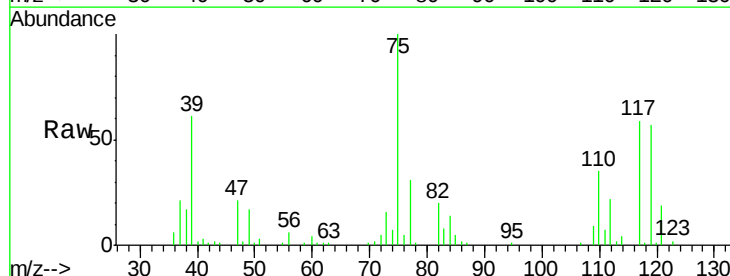
Manual Integrations
 APPROVED

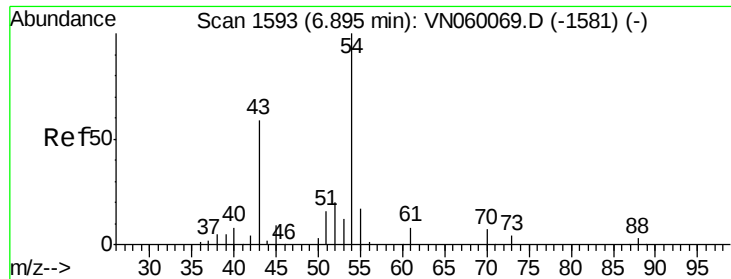
MMDadoda
 2/18/2020 9:26:55 AM



#36
 1,1-Dichloropropene
 Concen: 19.157 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57879		
110	35.4		18.1	54.3
77	31.2		25.1	37.7





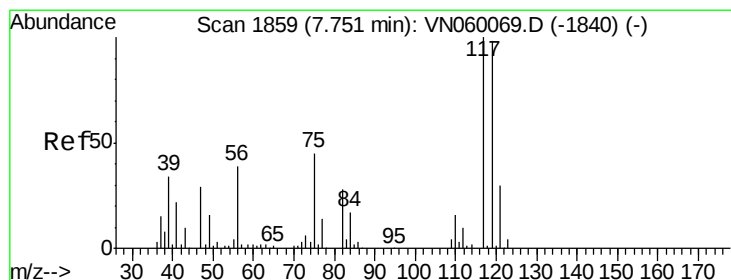
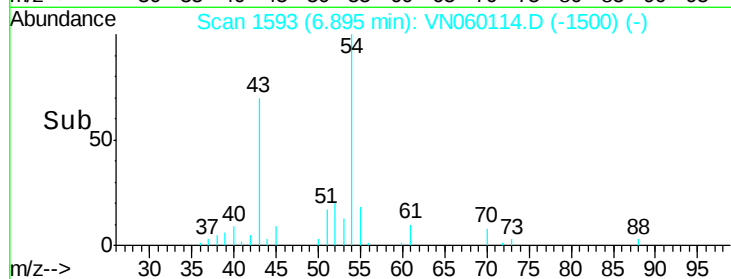
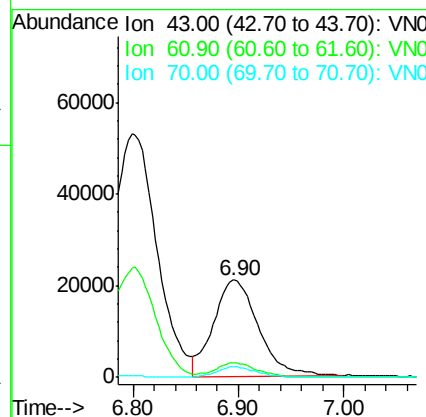
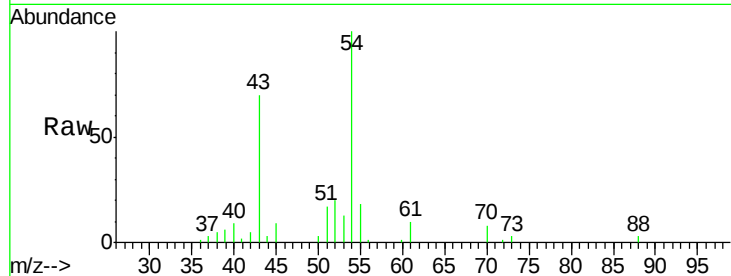
#37
Ethyl Acetate
Concen: 22.647 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.2
70	9.8	8.7	13.1

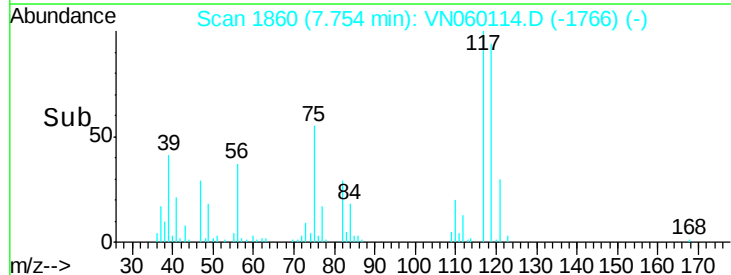
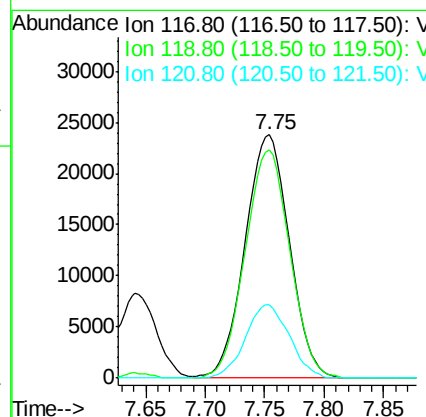
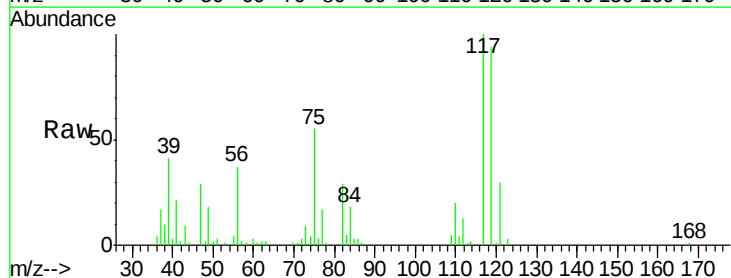
Manual Integrations
APPROVED

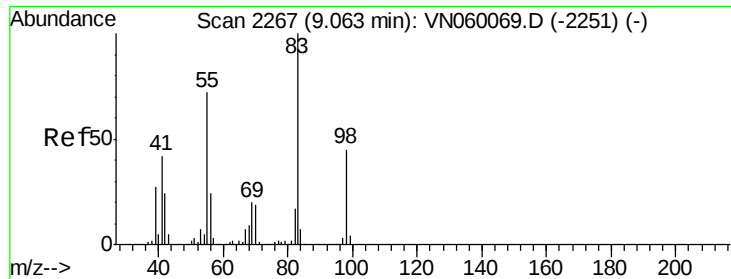
MMDadoda
2/18/2020 9:26:55 AM



#38
Carbon Tetrachloride
Concen: 18.755 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.2	117.4
121	30.0	24.2	36.2





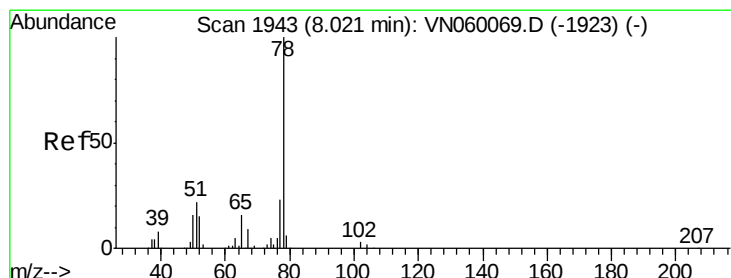
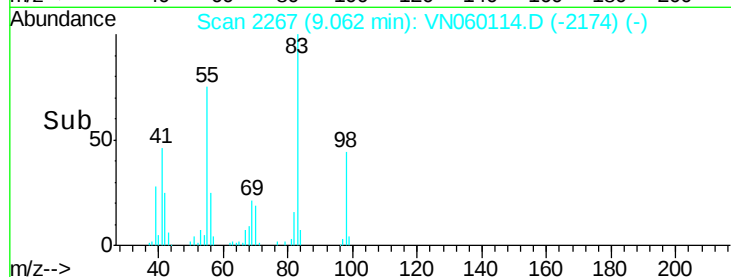
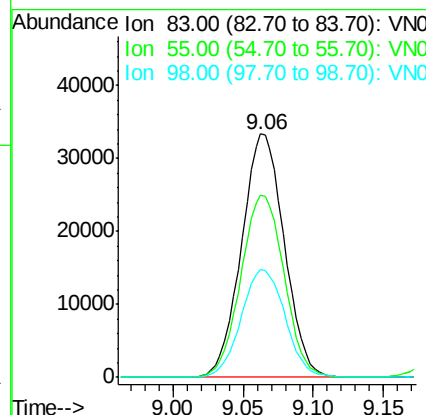
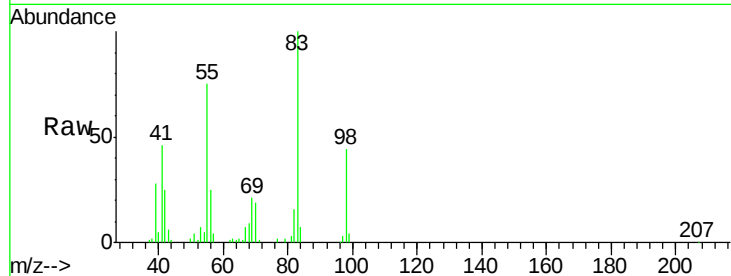
#39
Methvlcvclohexane
Concen: 18.893 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.8	86.8
98	44.3	36.4	54.6

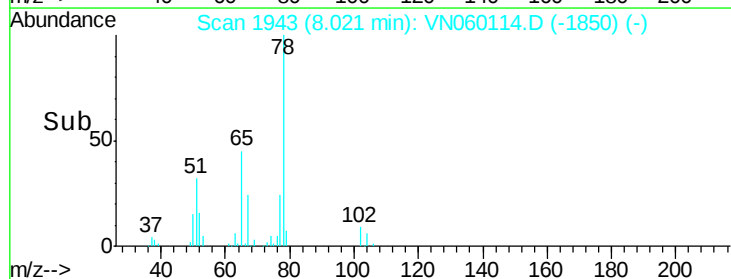
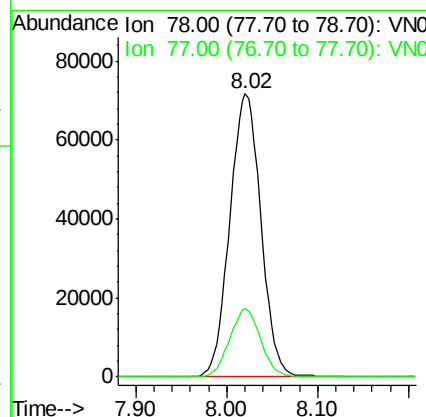
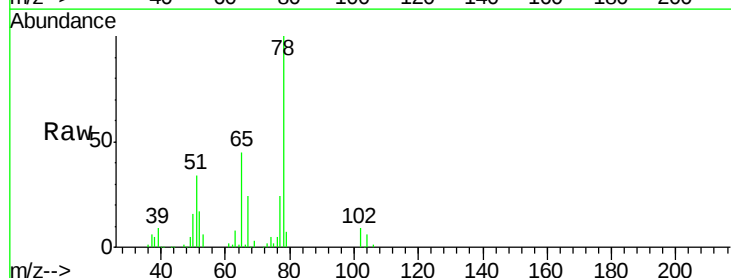
Manual Integrations
APPROVED

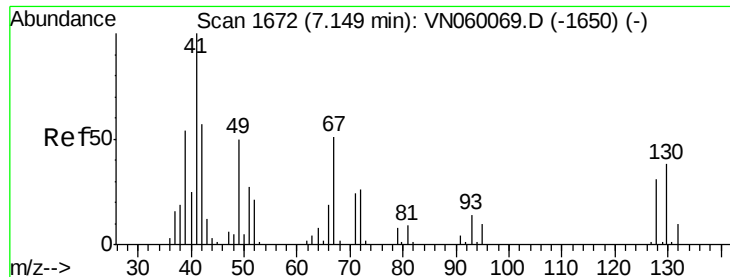
MMDadoda
2/18/2020 9:26:55 AM



#40
Benzene
Concen: 18.994 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





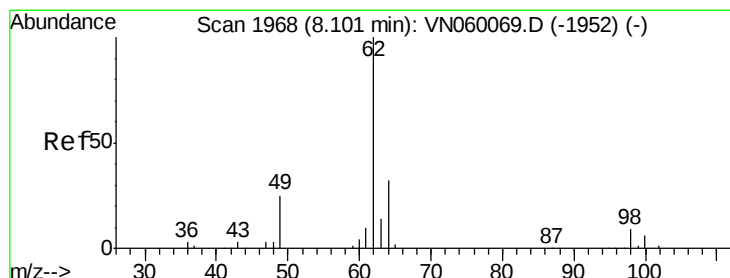
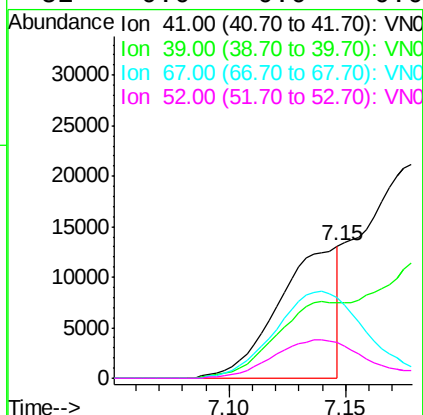
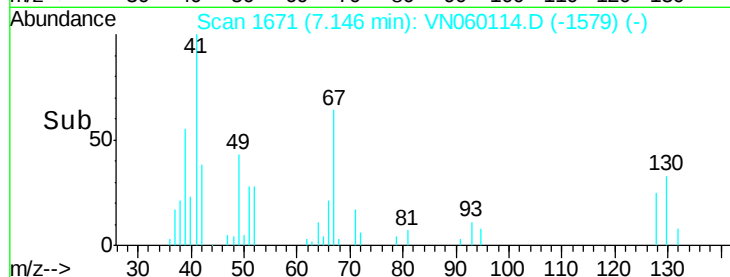
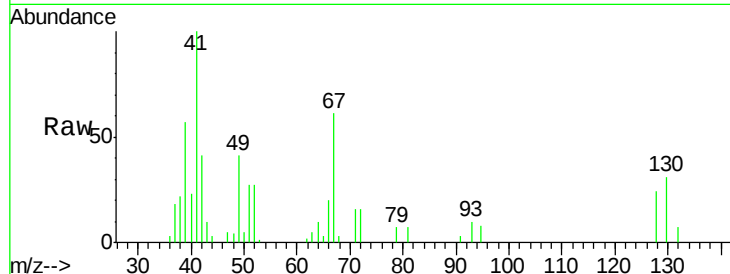
#41
Methacrylonitrile
Concen: 20.088 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	41	Resp	23003
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

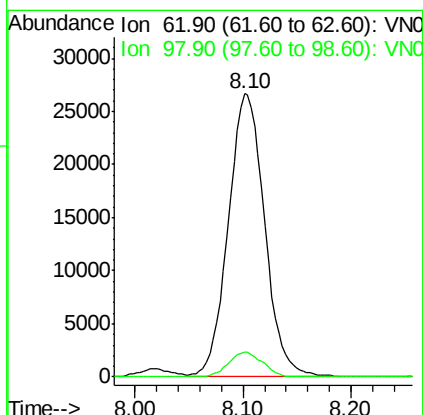
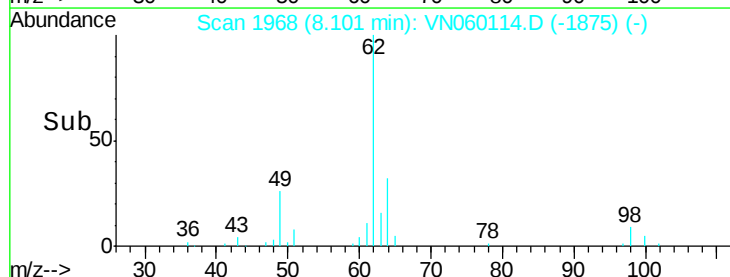
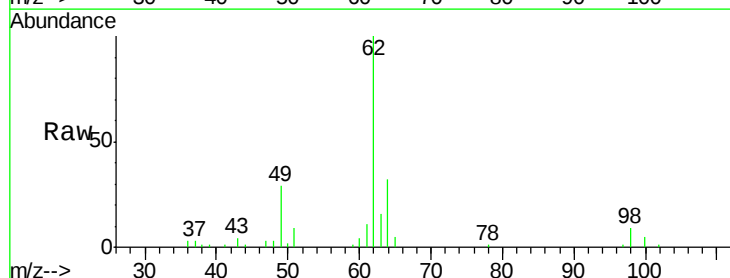
Manual Integrations
APPROVED

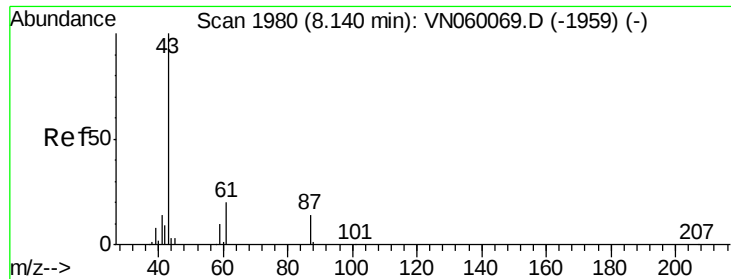
MMDadoda
2/18/2020 9:26:55 AM



#42
1,2-Dichloroethane
Concen: 19.938 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	62	Resp	62628
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.2





#43

Isopropyl Acetate

Concen: 22.005 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

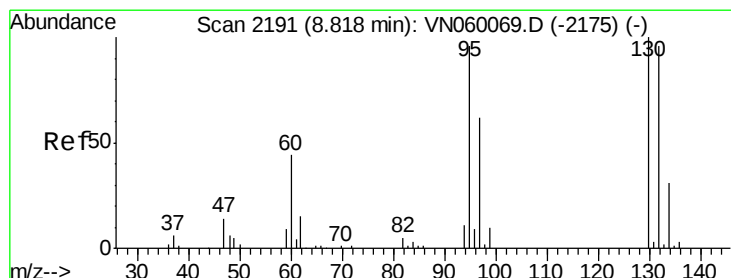
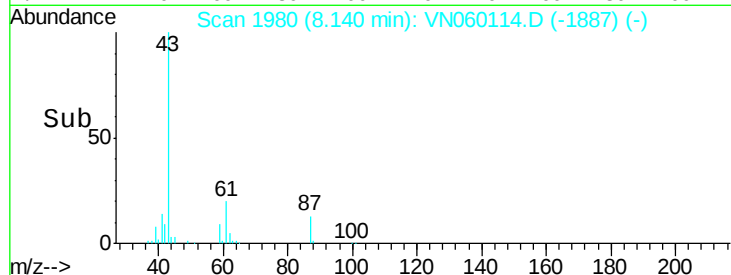
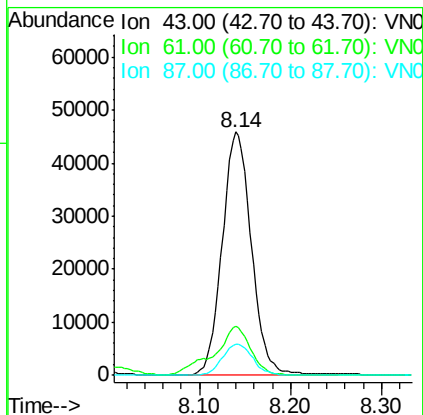
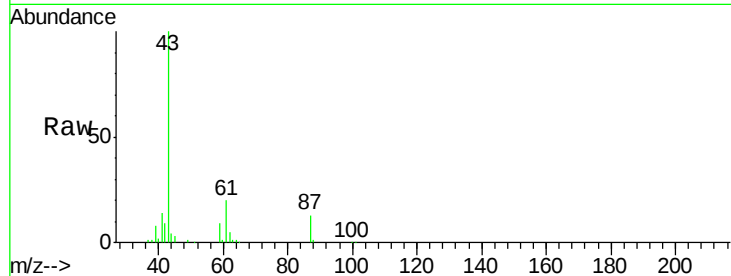
ClientSampleId :

VN0217WBSD01

Tot Ion:	43	Resp:	102710
Ion	Ratio	Lower	Upper
43	100		
61	25.1	21.8	32.6
87	13.2	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#44

Trichloroethene

Concen: 18.249 ug/l

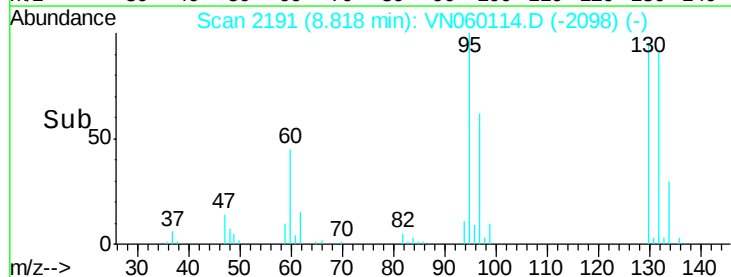
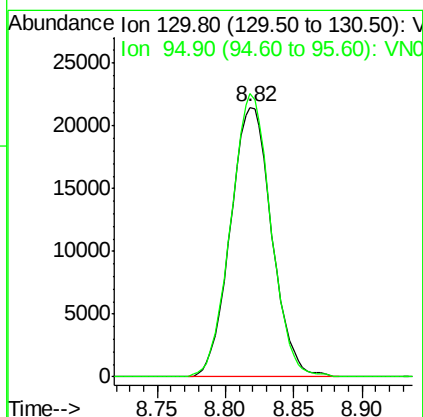
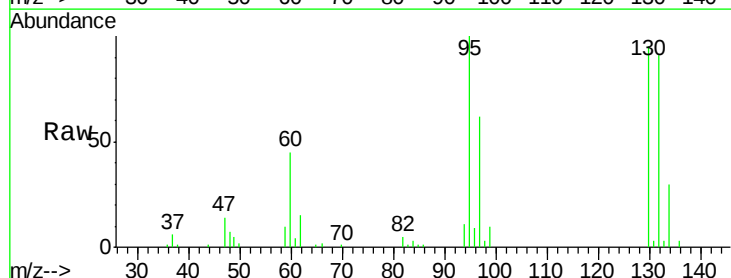
RT: 8.82 min Scan# 2191

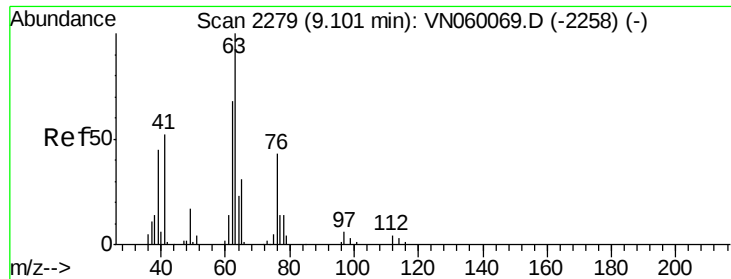
Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion:	130	Resp:	45287
Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	192.4





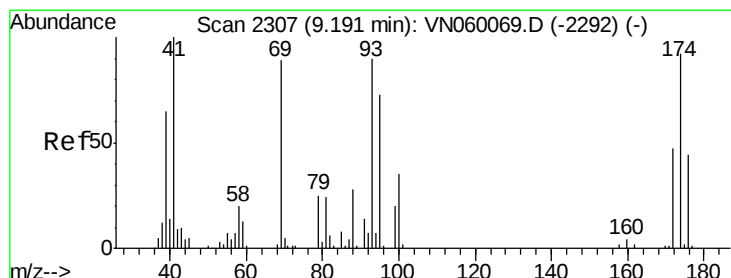
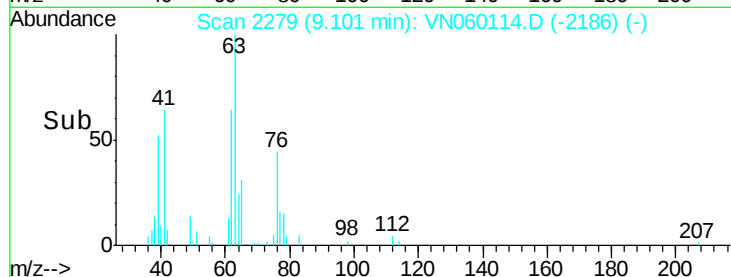
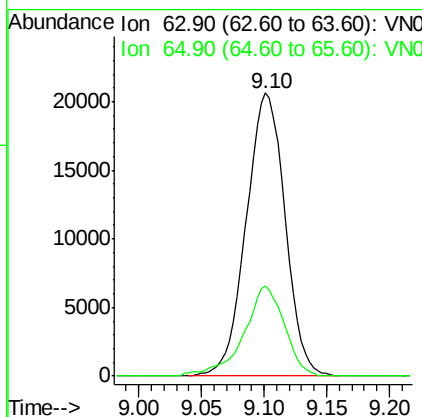
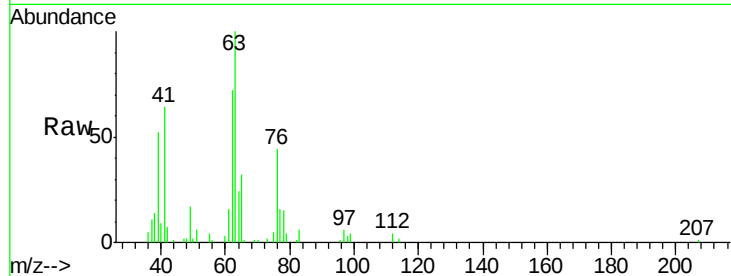
#45
 1,2-Dichloropropane
 Concen: 20.110 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Tot Ion: 63 Resp: 44621
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.4

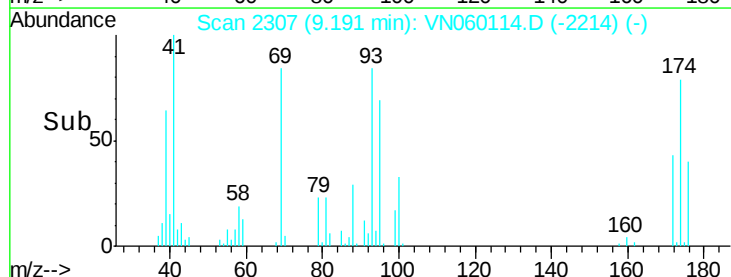
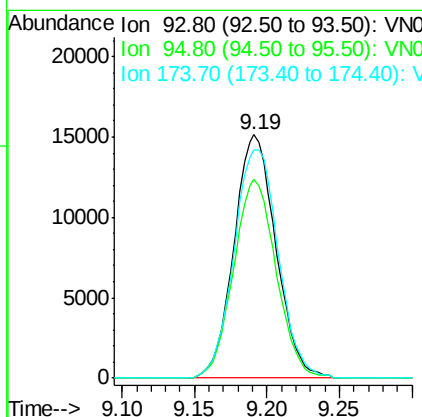
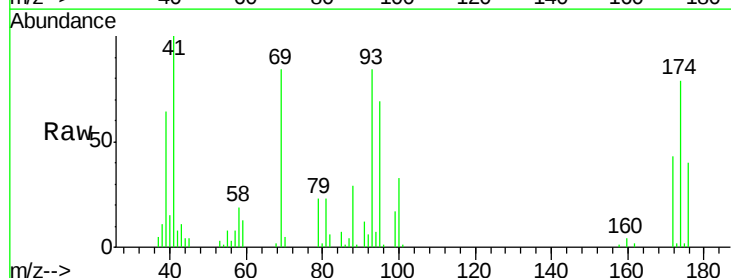
Manual Integrations
 APPROVED

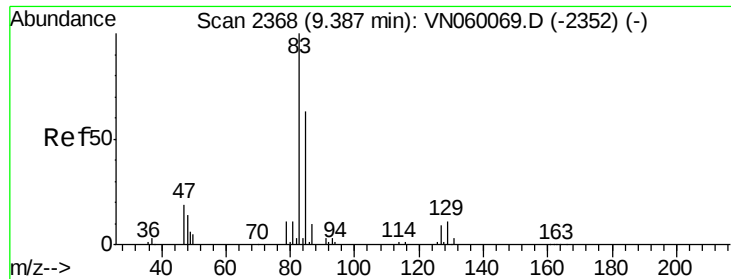
MMDadoda
 2/18/2020 9:26:55 AM



#46
 Dibromomethane
 Concen: 19.459 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion: 93 Resp: 30511
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.0 97.6
 174 99.1 82.3 123.5





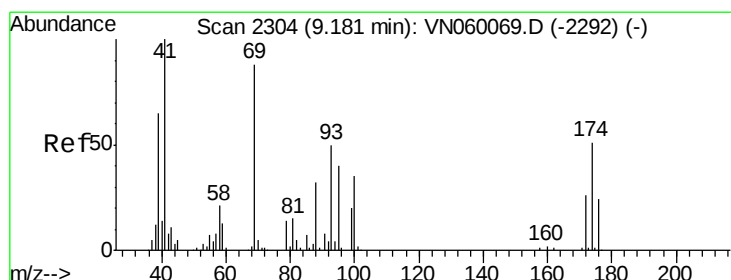
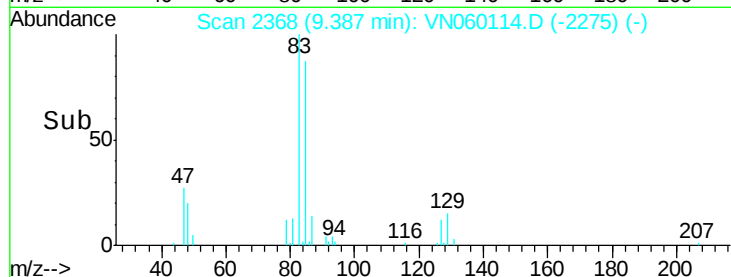
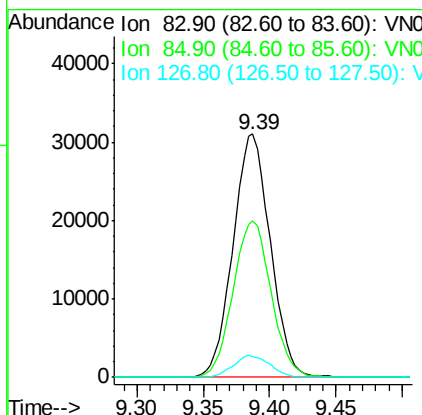
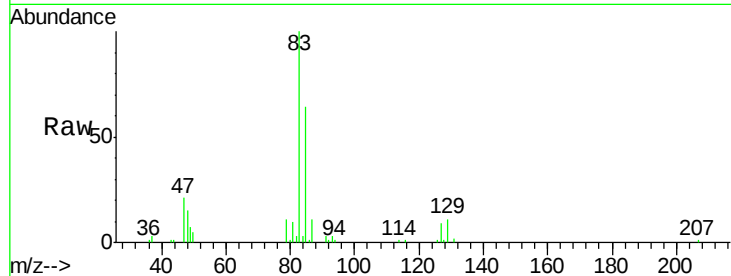
#47
Bromodichloromethane
Concen: 19.058 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	83	Resp	60752
Ion Ratio	100		
85	64.4	50.6	75.8
127	8.7	7.0	10.6

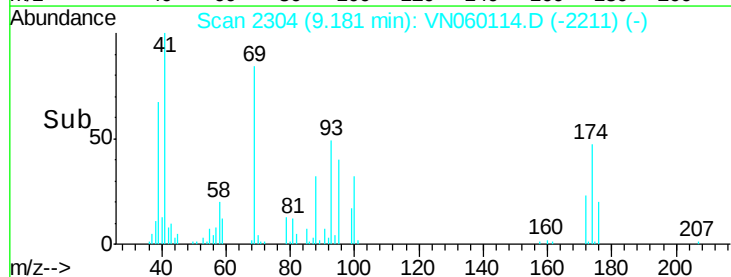
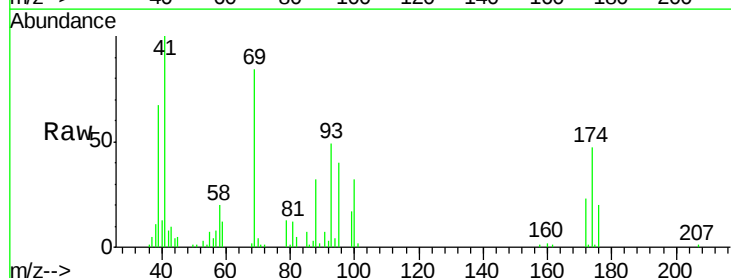
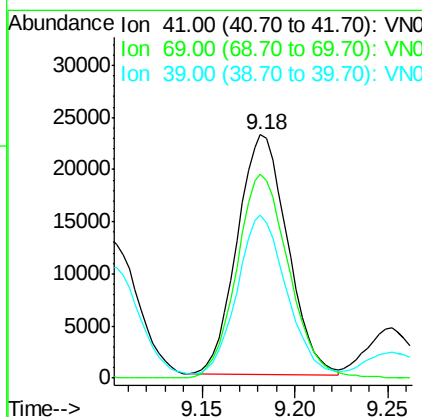
Manual Integrations
APPROVED

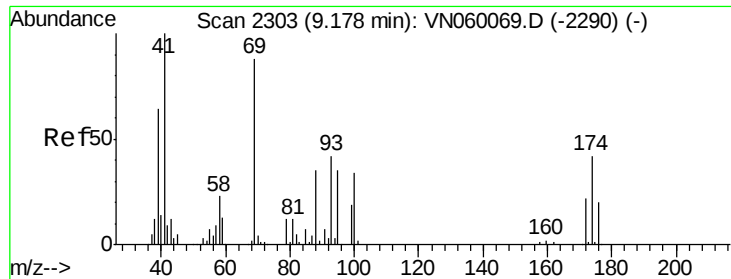
MMDadoda
2/18/2020 9:26:55 AM



#48
Methyl methacrylate
Concen: 20.718 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	41	Resp	43387
Ion Ratio	100		
69	88.0	72.0	108.0
39	64.2	54.1	81.1





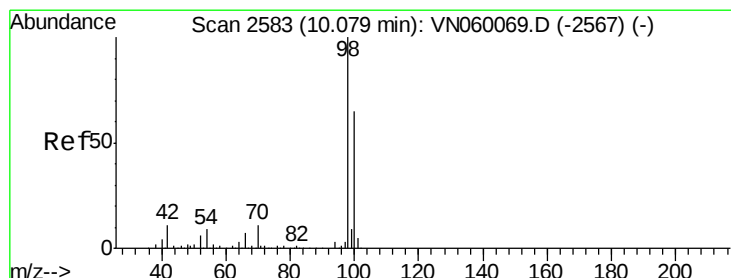
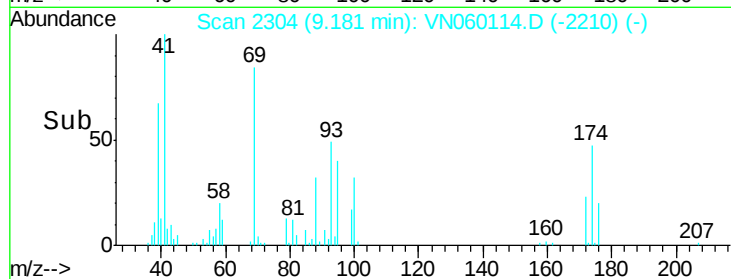
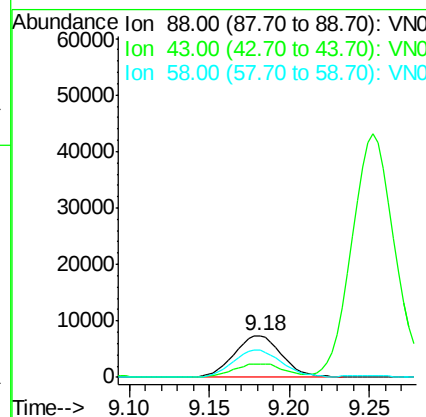
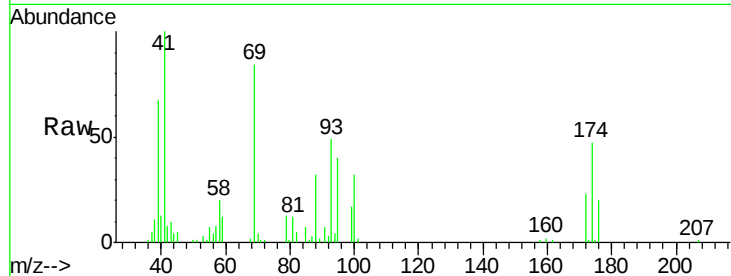
#49
1,4-Dioxane
Concen: 419.156 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.2	39.2
58	67.2	53.2	79.8

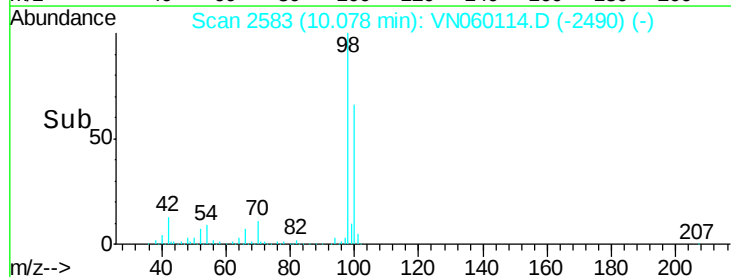
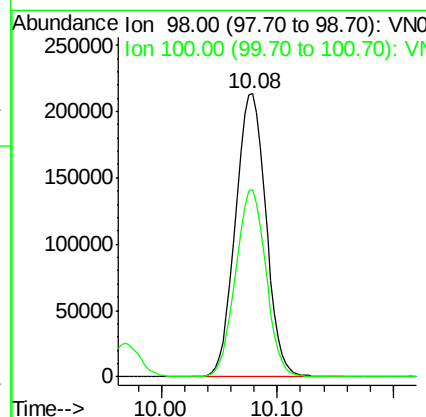
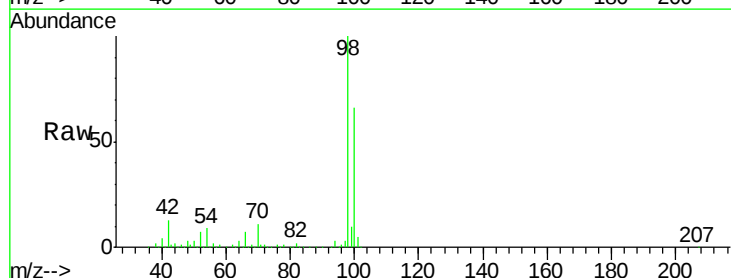
Manual Integrations
APPROVED

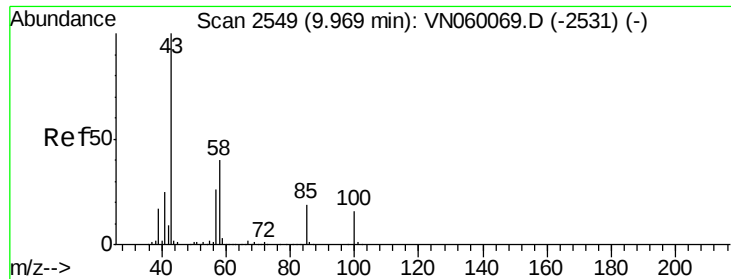
MMDadoda
2/18/2020 9:26:55 AM



#50
Toluene-d8
Concen: 49.153 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 111.707 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0217WBSD01

Tot Ion: 43 Resp: 301799

Ion Ratio Lower Upper

43 100

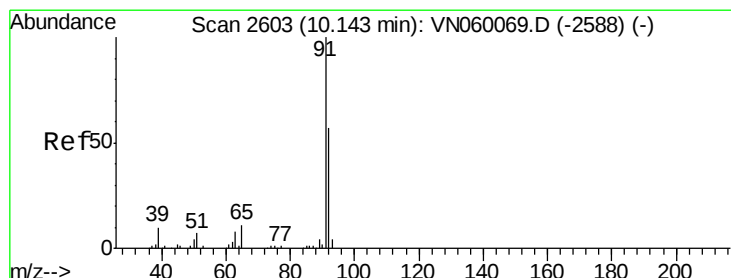
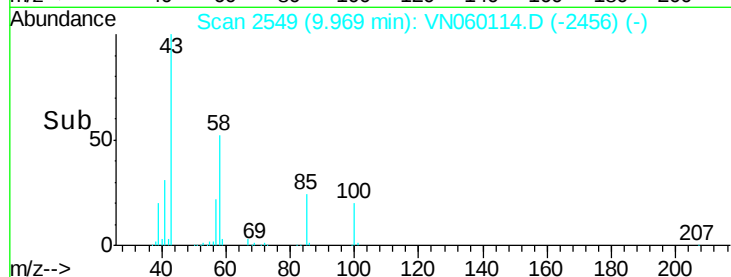
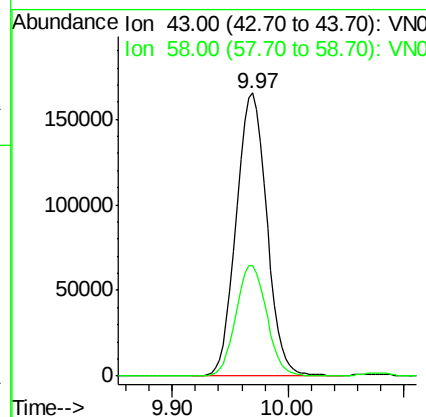
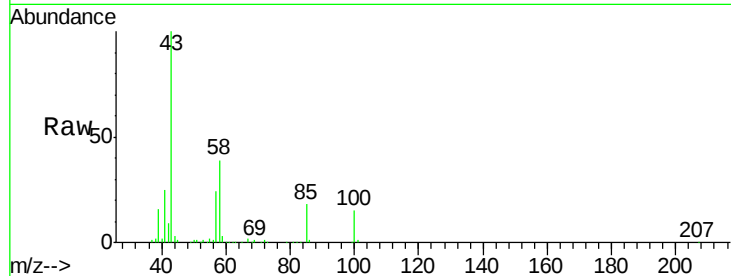
58 39.3 31.8 47.8

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:55 AM



#52

Toluene

Concen: 18.752 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060114.D

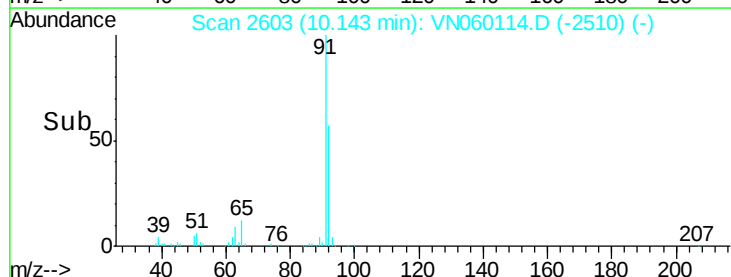
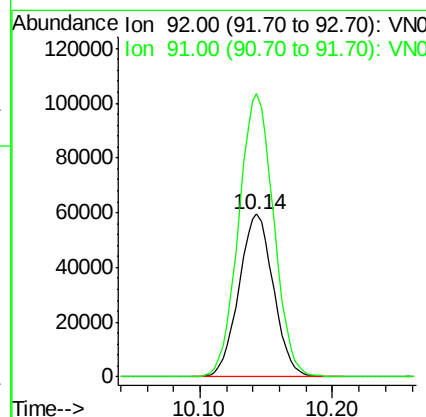
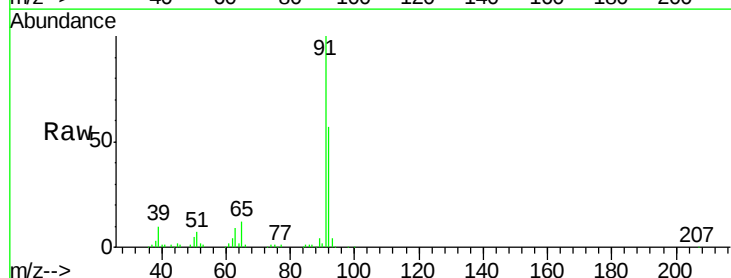
Acq: 17 Feb 2020 13:13

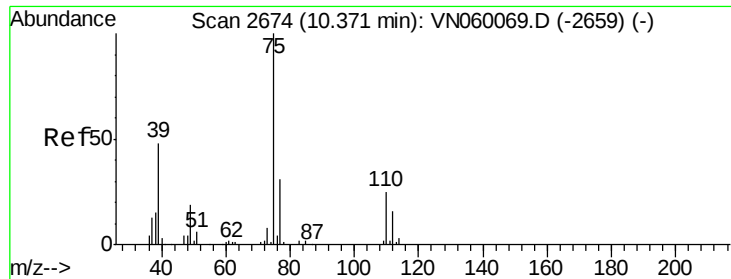
Tgt Ion: 92 Resp: 107768

Ion Ratio Lower Upper

92 100

91 175.8 140.9 211.3





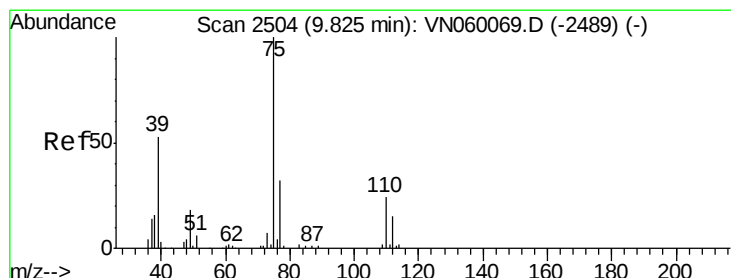
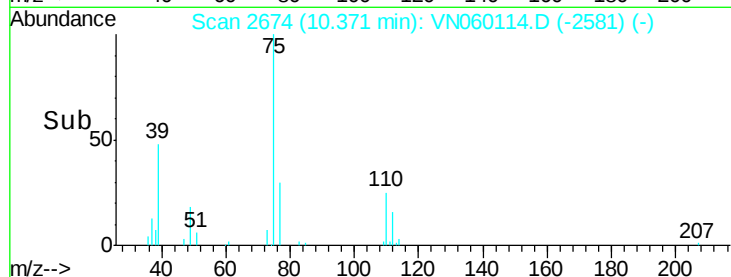
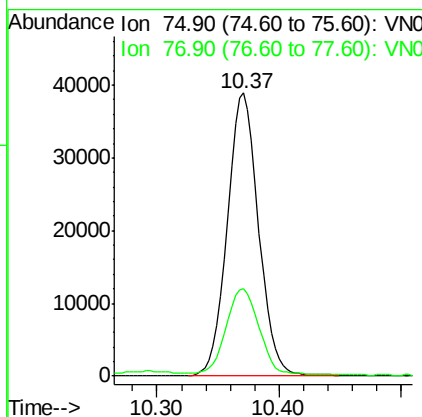
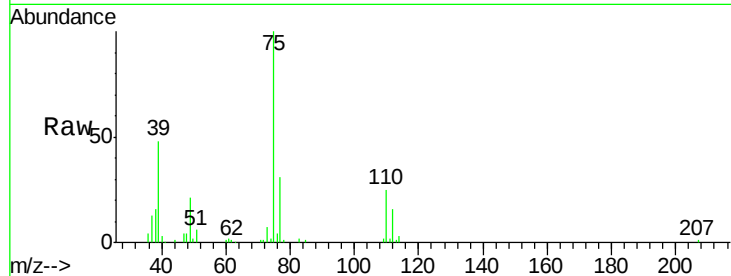
#53
t-1,3-Dichloropropene
Concen: 19.357 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion: 75 Resp: 69652
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.0

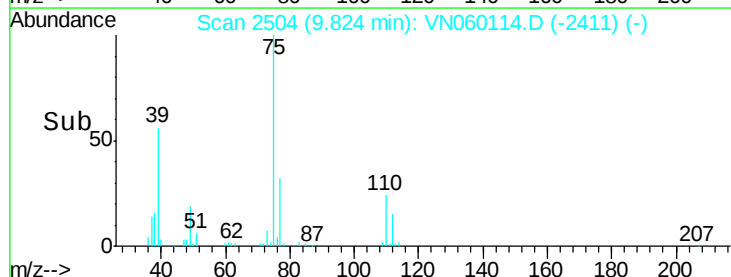
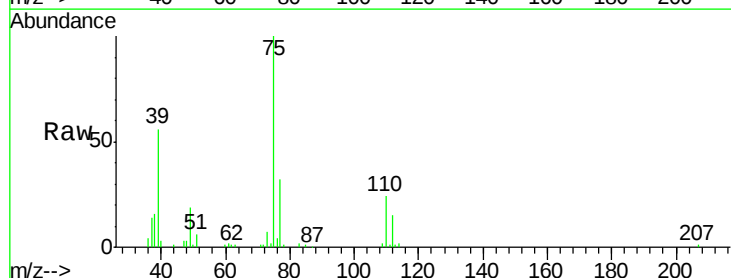
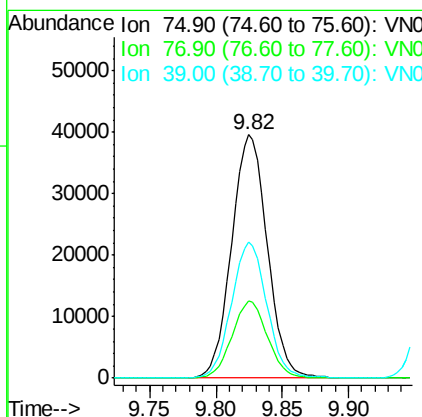
Manual Integrations
APPROVED

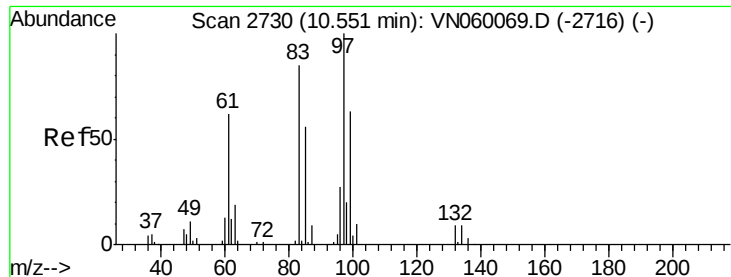
MMDadoda
2/18/2020 9:26:55 AM



#54
cis-1,3-Dichloropropene
Concen: 19.505 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 75 Resp: 73904
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4
39 56.1 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 18.717 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

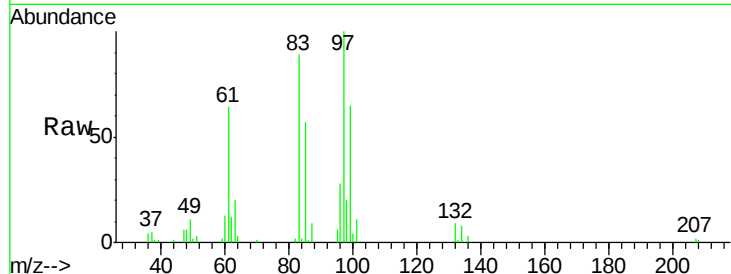
ClientSampleId :

VN0217WBSD01

Tot Ion:	97	Resp:	41966
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.9	101.9
85	56.7	44.6	67.0
99	65.0	50.1	75.1

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM

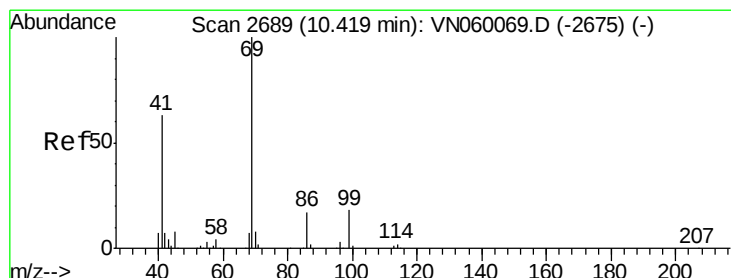
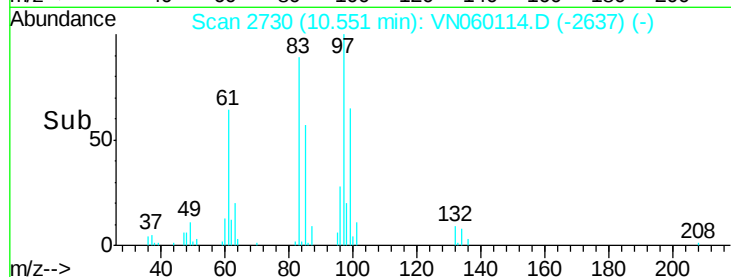
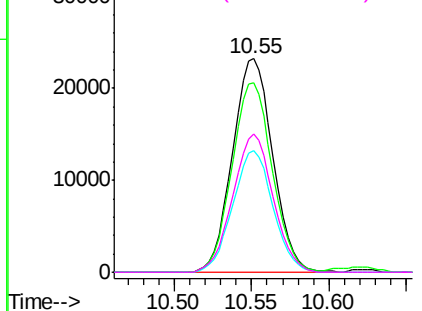


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.230 ug/l

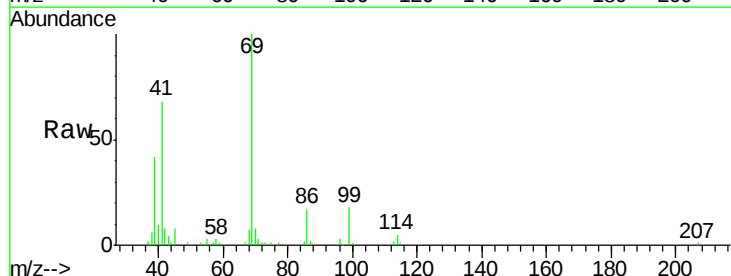
RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

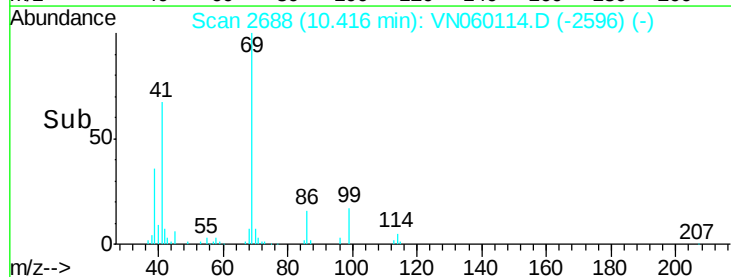
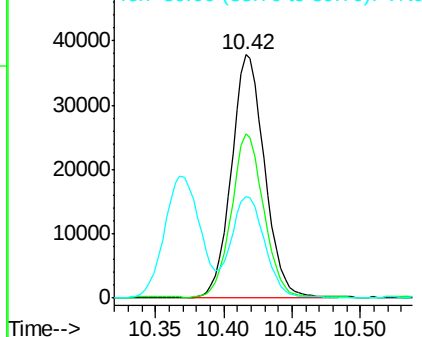
Tgt Ion:	69	Resp:	64165
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.1	76.7
39	43.1	33.8	50.8

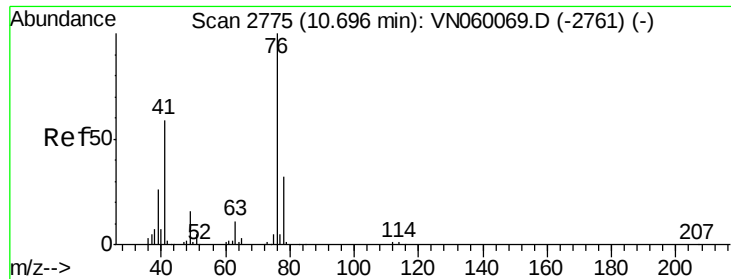


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.444 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0217WBSD01

Tot Ion: 76 Resp: 71934

Ion Ratio Lower Upper

76 100

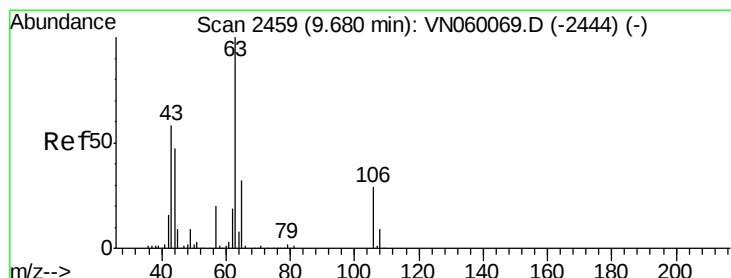
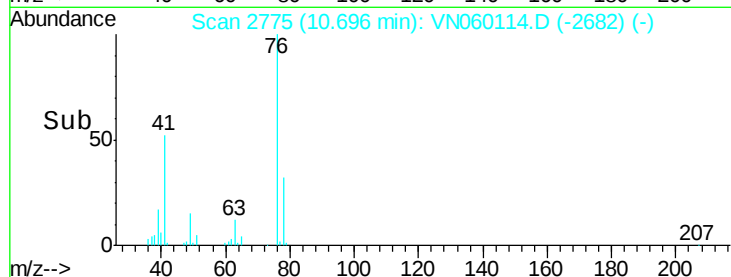
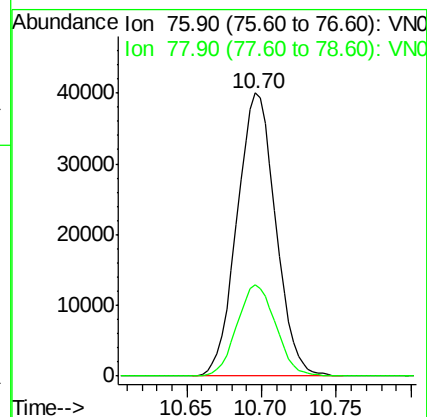
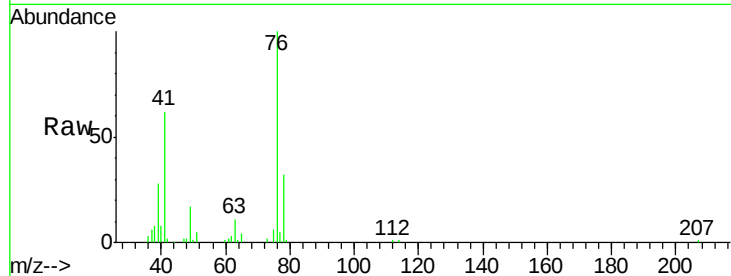
78 32.3 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 106.909 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060114.D

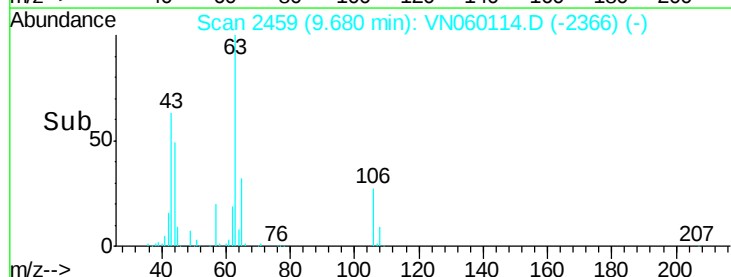
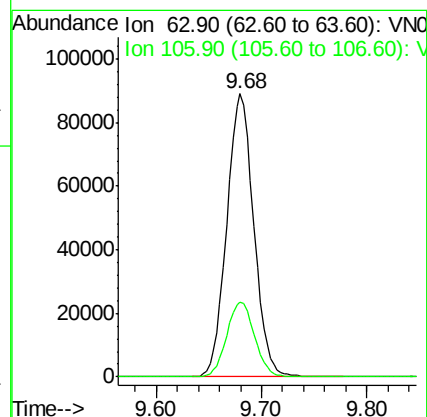
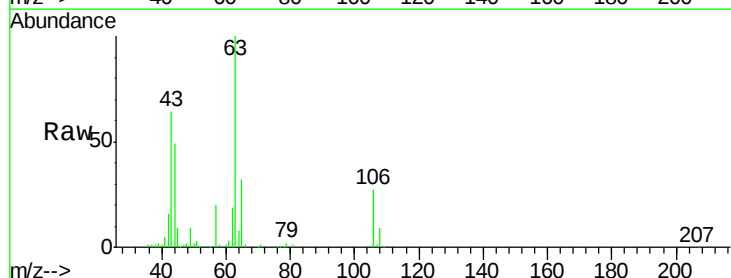
Acq: 17 Feb 2020 13:13

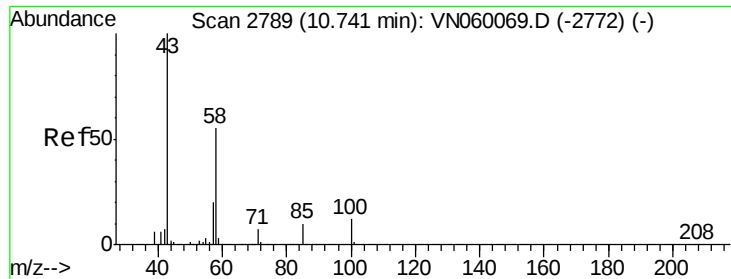
Tgt Ion: 63 Resp: 157971

Ion Ratio Lower Upper

63 100

106 27.4 22.9 34.3





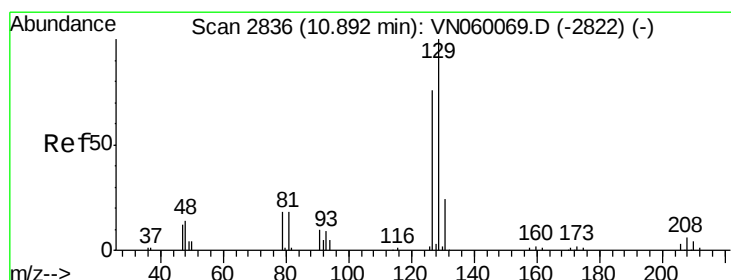
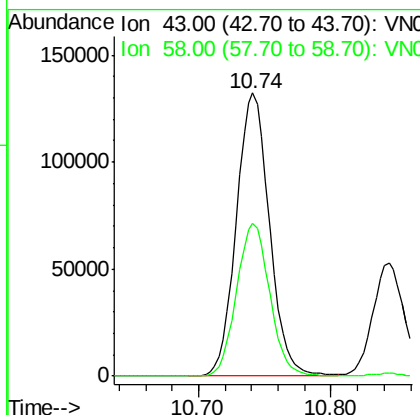
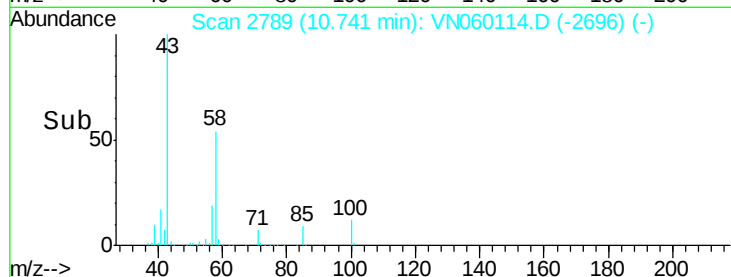
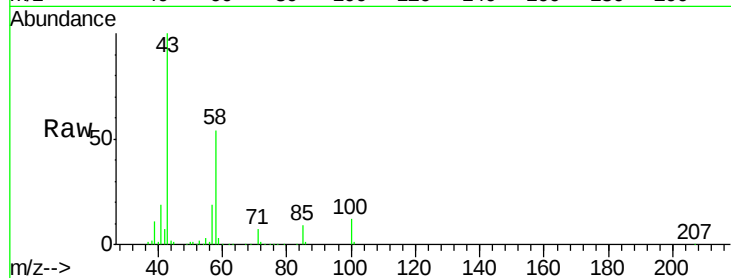
#59
2-Hexanone
Concen: 110.101 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion: 43 Resp: 229779
Ion Ratio Lower Upper
43 100
58 54.0 27.5 82.4

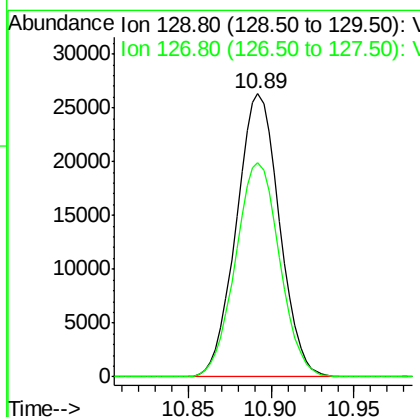
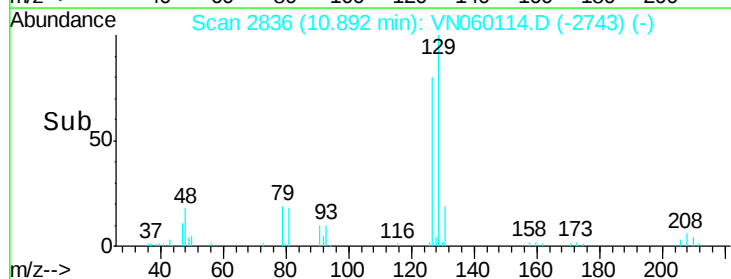
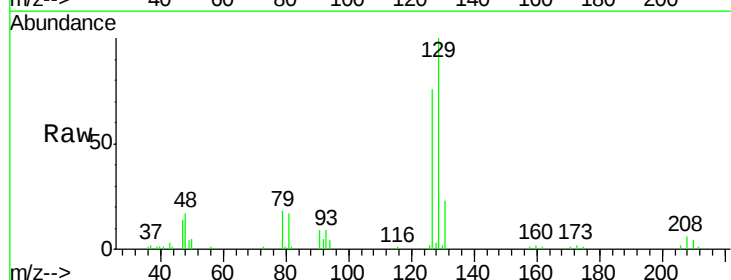
Manual Integrations
APPROVED

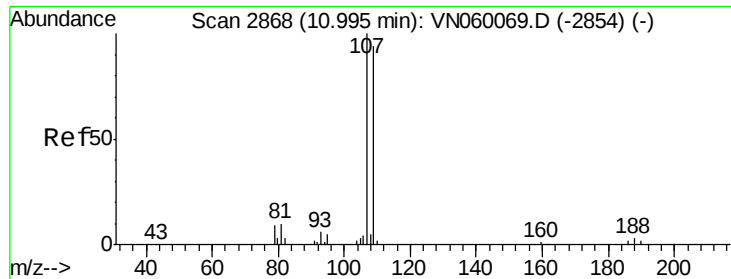
MMDadoda
2/18/2020 9:26:55 AM



#60
Dibromochloromethane
Concen: 18.462 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 129 Resp: 47502
Ion Ratio Lower Upper
129 100
127 77.5 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.045 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0217WBSD01

Tot Ion:107 Resp: 44762

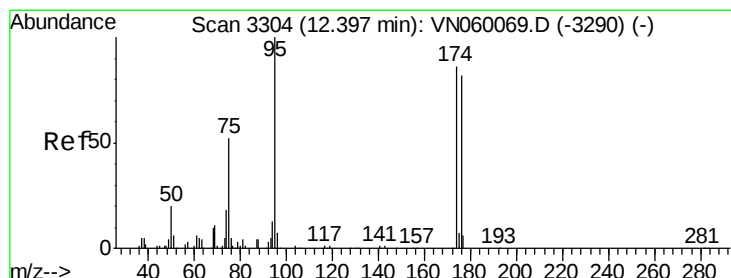
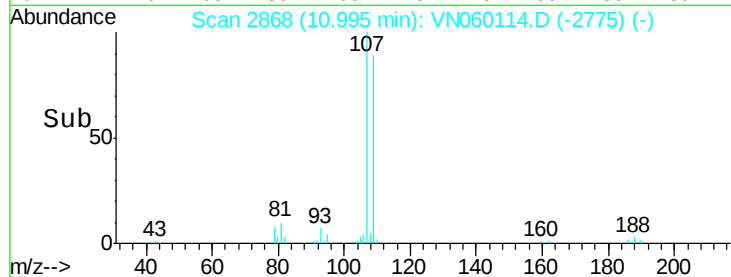
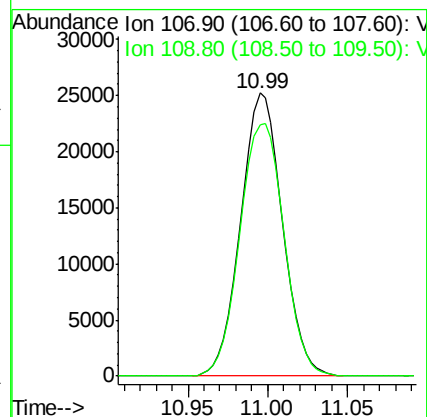
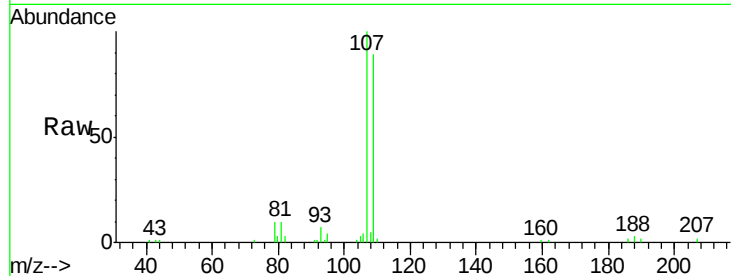
Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.0

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#62

4-Bromofluorobenzene

Concen: 48.363 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

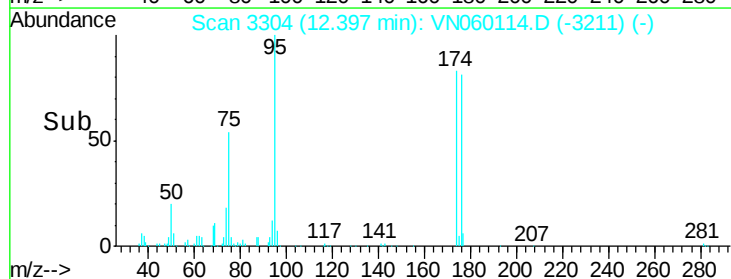
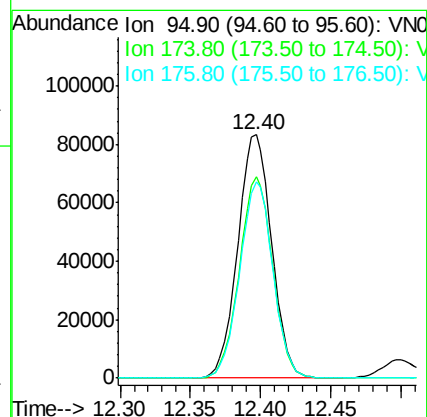
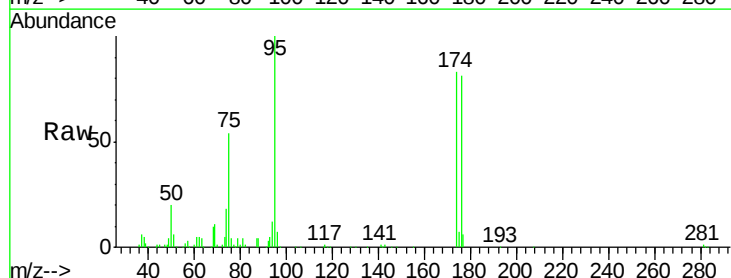
Tgt Ion: 95 Resp: 140317

Ion Ratio Lower Upper

95 100

174 81.1 0.0 169.8

176 79.0 0.0 164.8





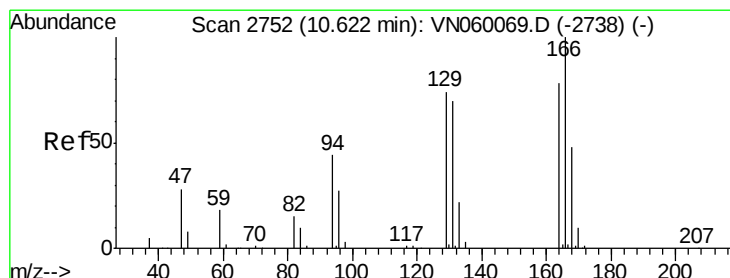
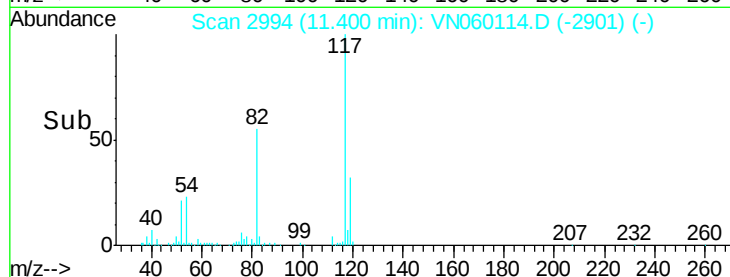
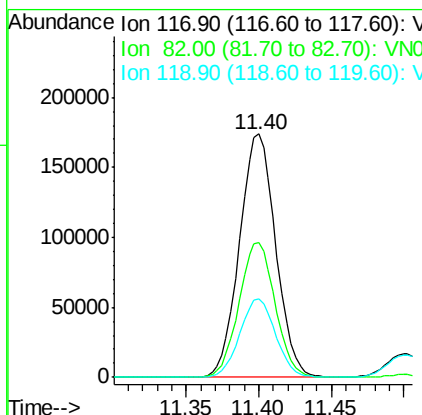
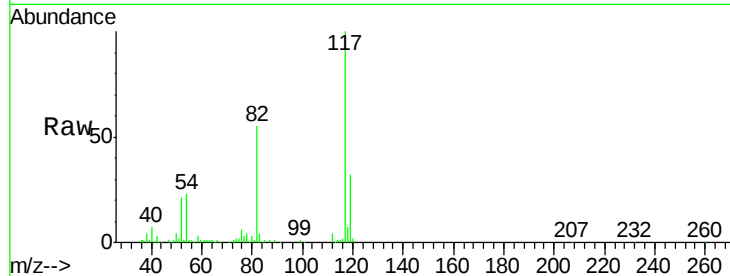
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	301726		
82	55.3	43.4	65.0	
119	32.2	25.8	38.6	

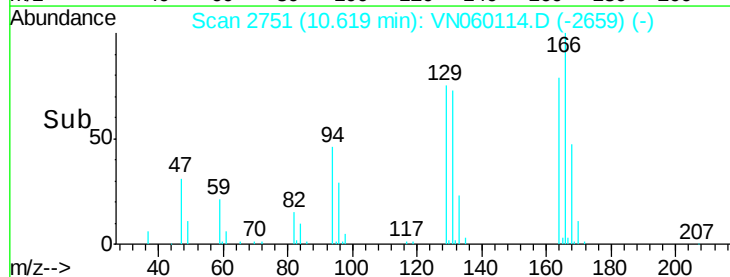
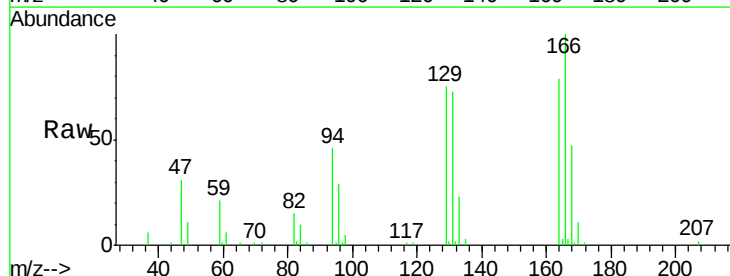
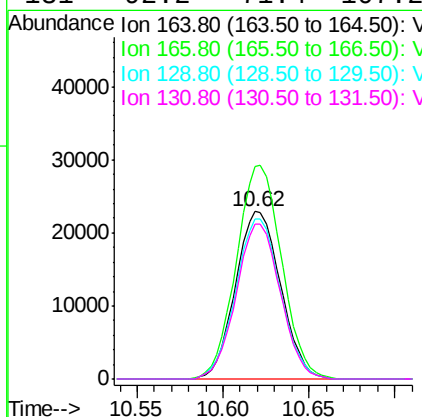
Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#64
Tetrachloroethene
Concen: 18.155 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41643		
166	126.8	101.9	152.9	
129	95.3	75.4	113.0	
131	92.2	71.4	107.2	





#65

Chlorobenzene

Concen: 18.565 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0217WBSD01

Tot Ion:112 Resp: 114120

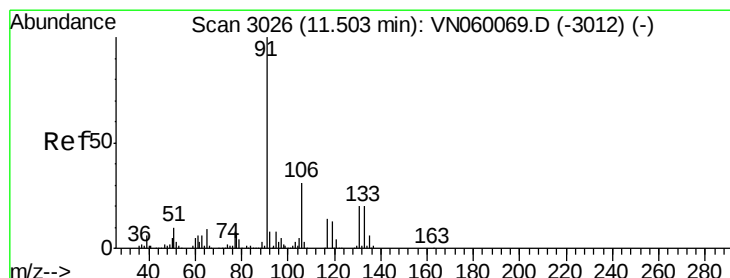
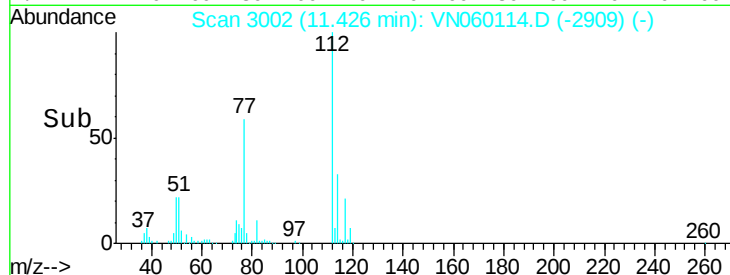
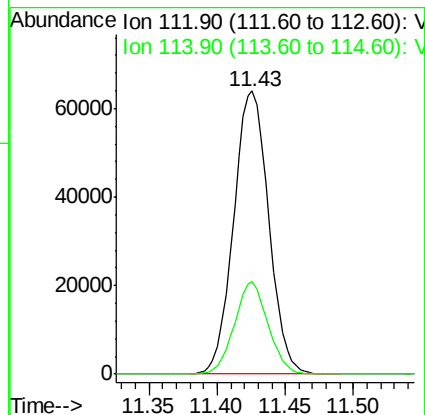
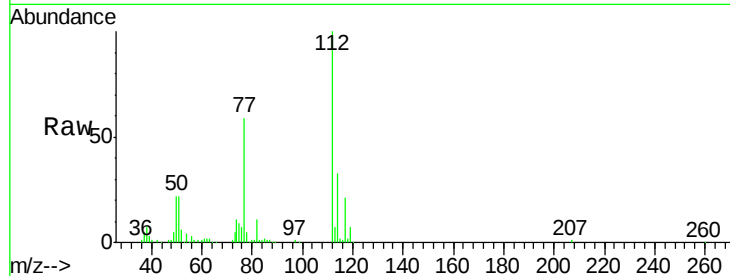
Ion Ratio Lower Upper

112 100

114 32.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 18.435 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

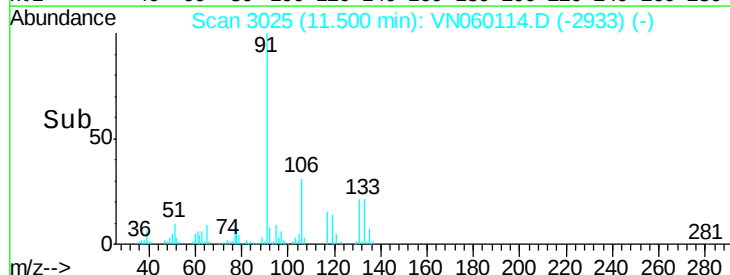
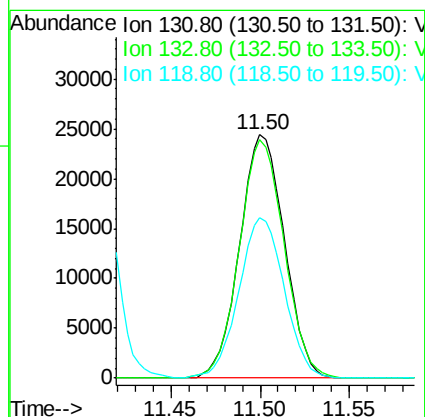
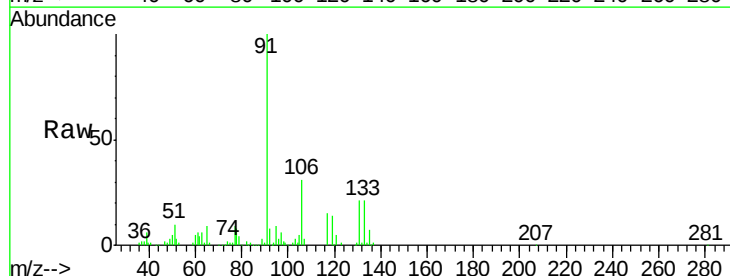
Tgt Ion:131 Resp: 42871

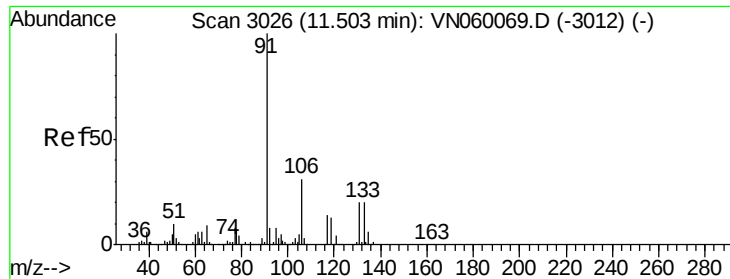
Ion Ratio Lower Upper

131 100

133 98.1 47.9 143.7

119 67.0 32.6 97.7





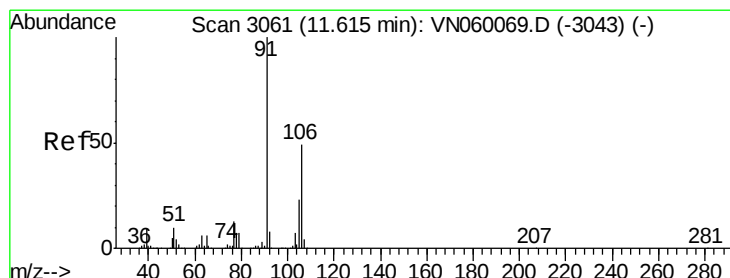
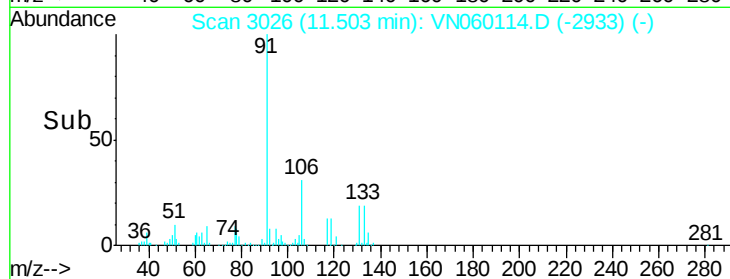
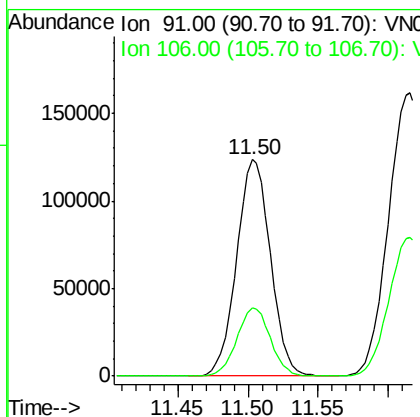
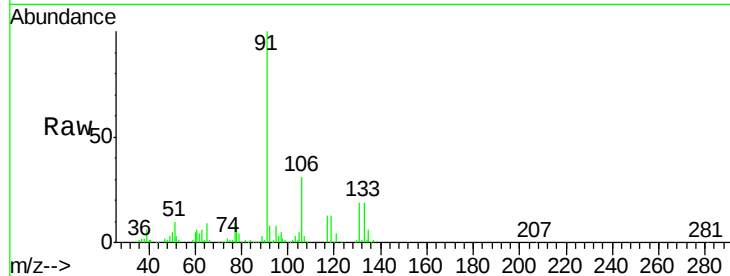
#67
Ethyl Benzene
Concen: 18.769 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0217WBSD01

Tot Ion: 91 Resp: 208093
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

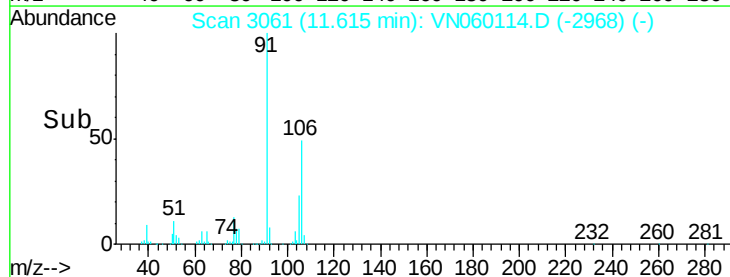
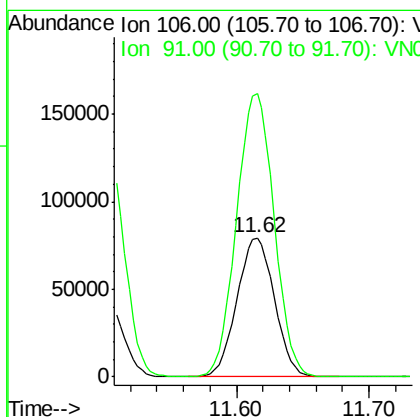
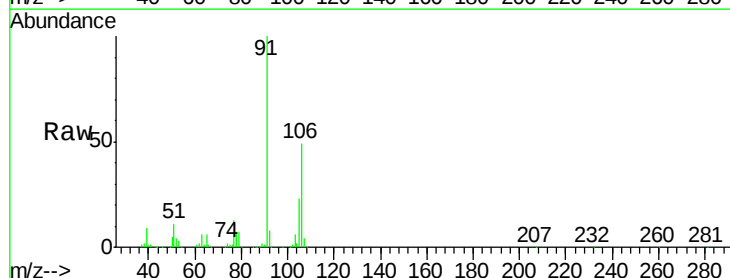
Manual Integrations
APPROVED

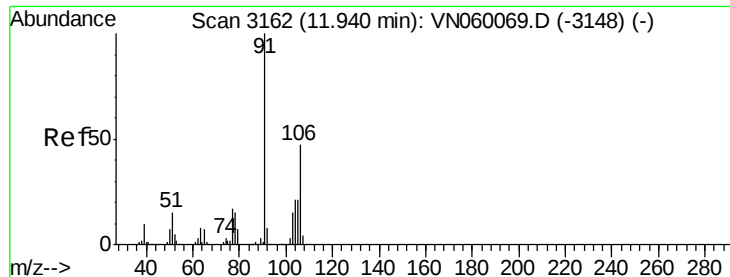
MMDadoda
2/18/2020 9:26:55 AM



#68
m/p-Xylenes
Concen: 37.351 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 106 Resp: 155423
Ion Ratio Lower Upper
106 100
91 204.6 162.7 244.1





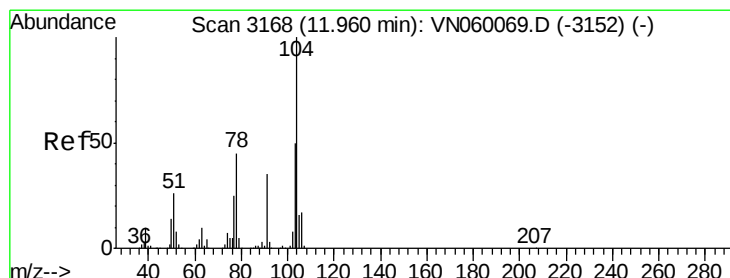
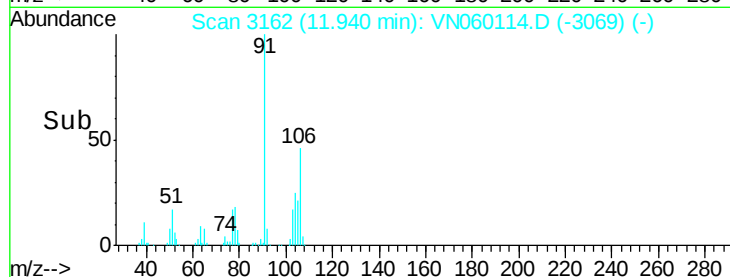
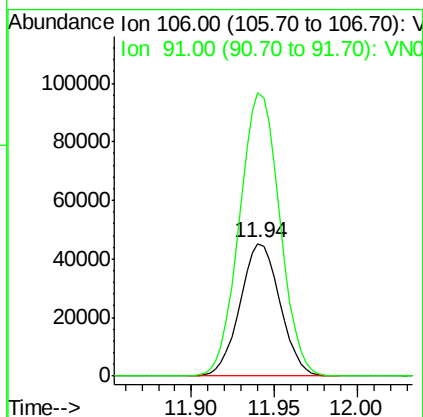
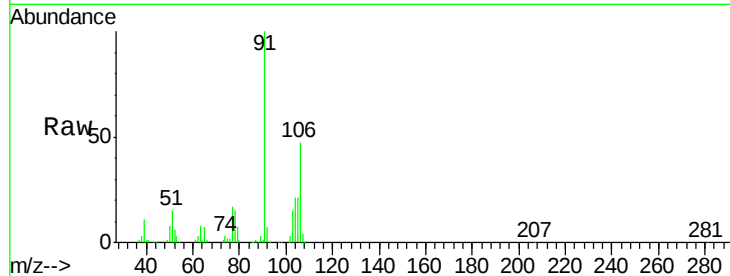
#69
o-Xylene
Concen: 18.981 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion:106 Resp: 76045
Ion Ratio Lower Upper
106 100
91 215.7 107.2 321.6

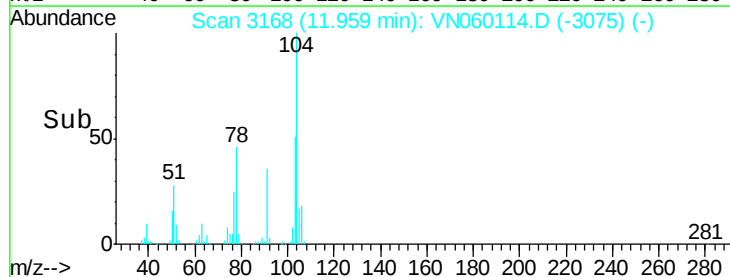
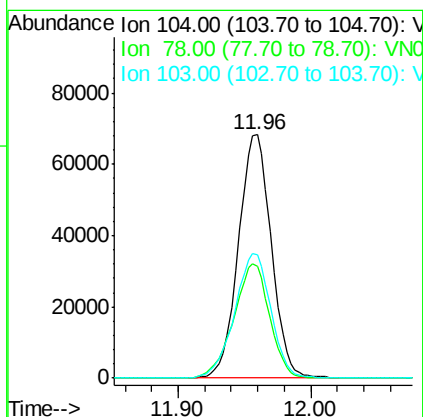
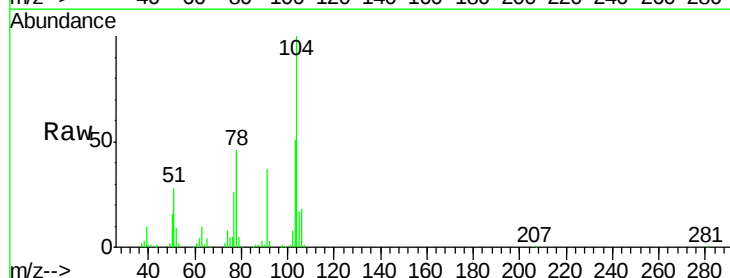
Manual Integrations
APPROVED

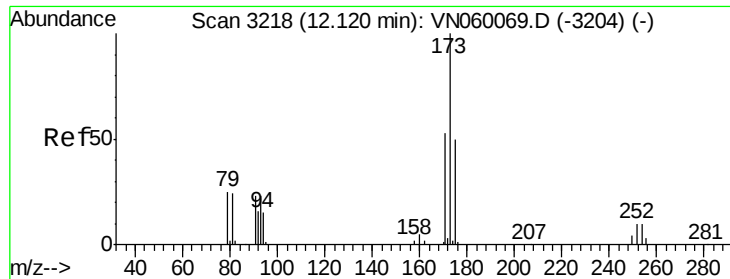
MMDadoda
2/18/2020 9:26:55 AM



#70
Styrene
Concen: 18.237 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion:104 Resp: 117825
Ion Ratio Lower Upper
104 100
78 51.2 40.2 60.2
103 56.3 44.3 66.5





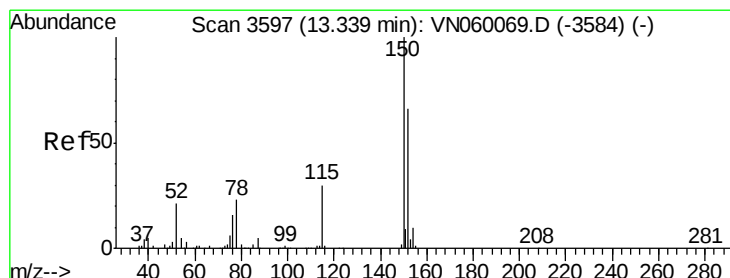
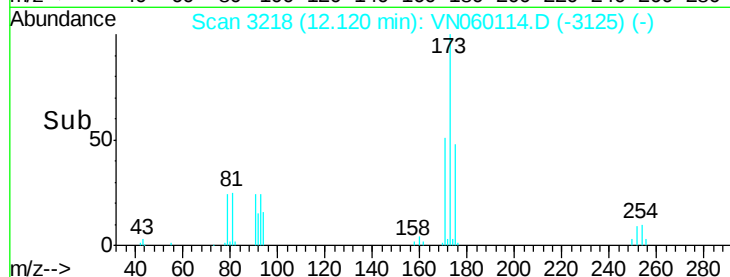
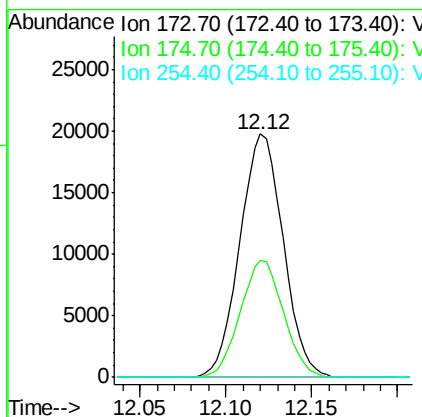
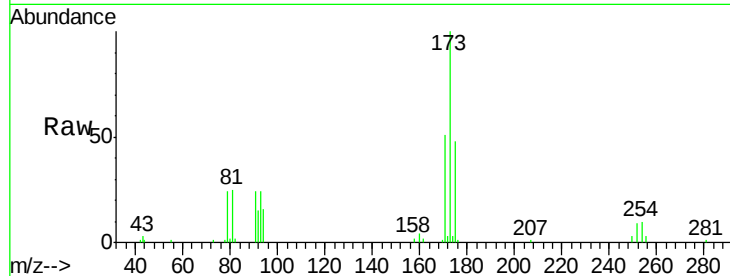
#71
Bromoform
Concen: 18.432 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.9	74.6
254	0.0	0.0	0.0

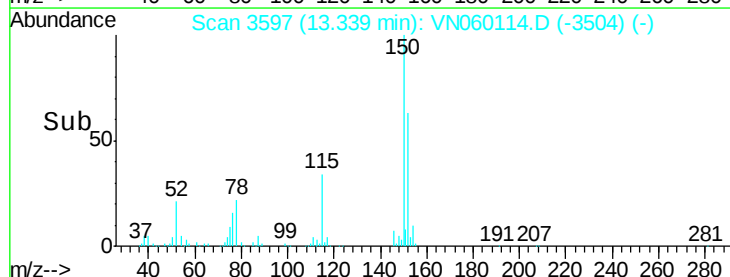
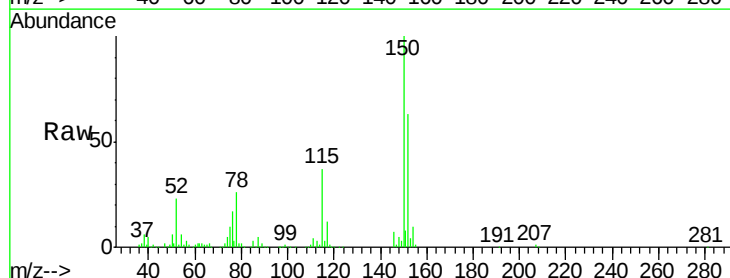
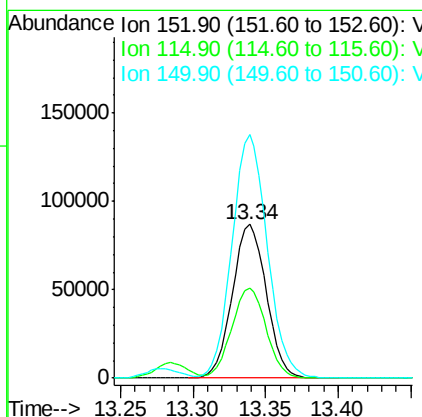
Manual Integrations
APPROVED

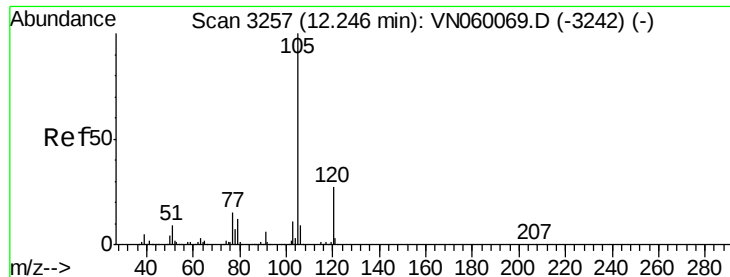
MMDadoda
2/18/2020 9:26:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	28.9	86.8
150	164.2	0.0	342.4





#73

Isopropylbenzene

Concen: 19.245 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0217WBSD01

Tot Ion: 105 Resp: 203455

Ion Ratio Lower Upper

105 100

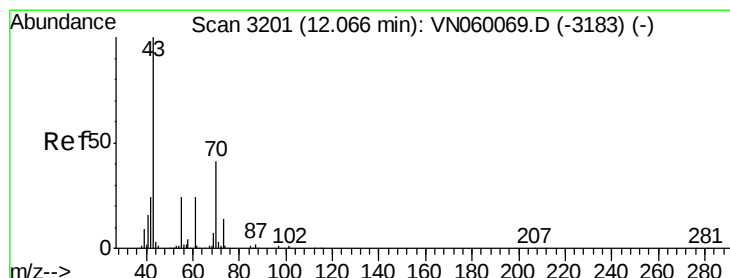
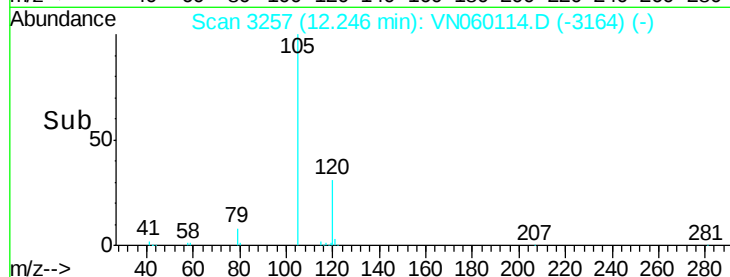
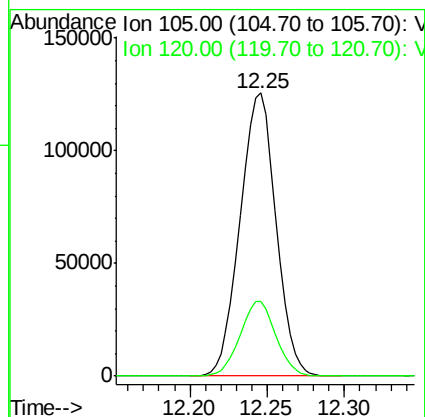
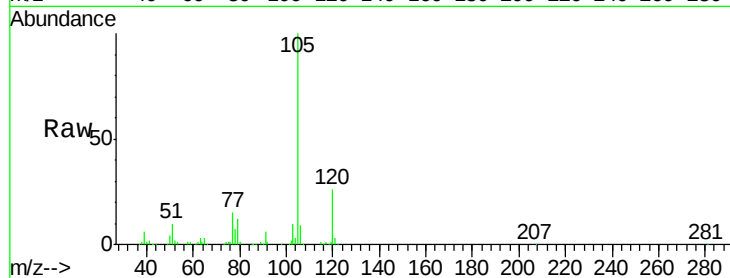
120 26.3 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:55 AM



#74

N-ethyl acetate

Concen: 21.864 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion: 43 Resp: 83350

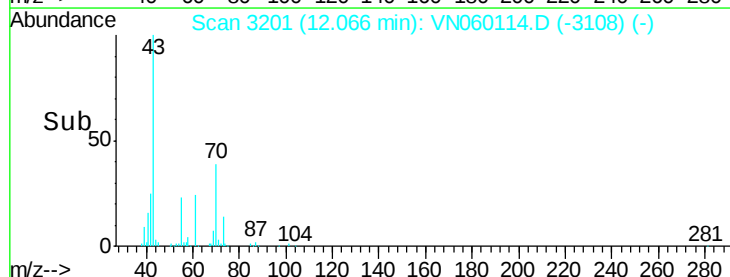
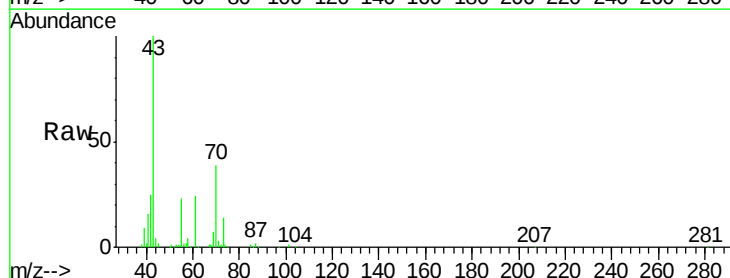
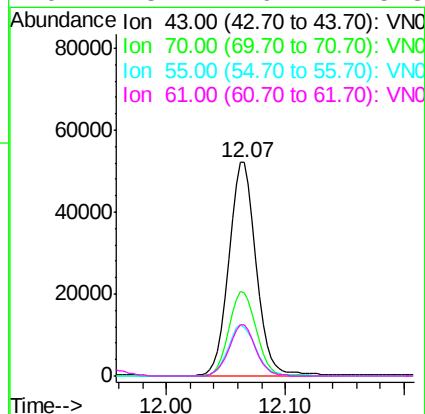
Ion Ratio Lower Upper

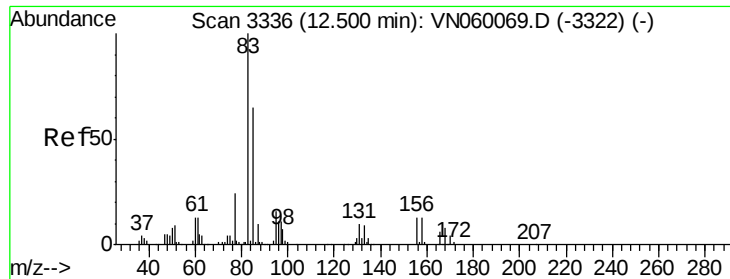
43 100

70 39.4 33.4 50.0

55 24.0 18.8 28.2

61 23.4 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.728 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

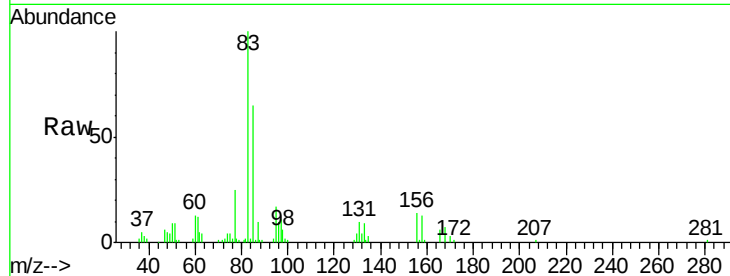
ClientSampleId :

VN0217WBSD01

Tot Ion:	83	Resp:	63076
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.2	15.6
85	66.2	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060114.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060114.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060114.D (-3243) (-)

12.50

40000

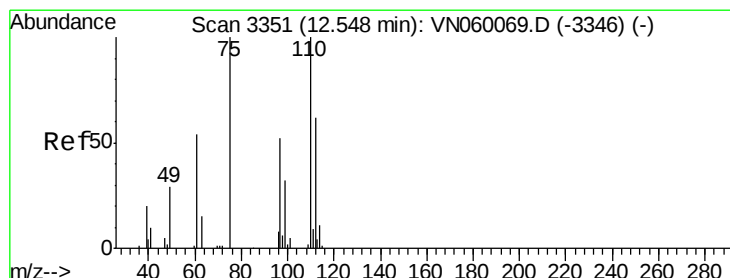
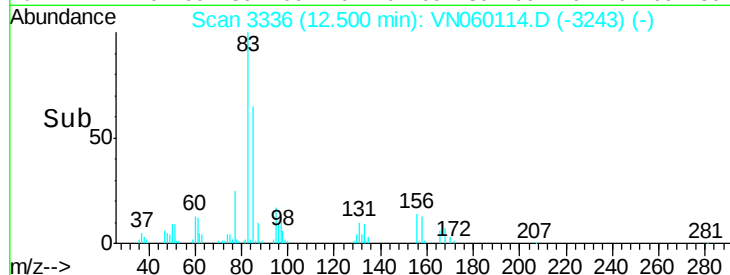
30000

20000

10000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.057 ug/l m

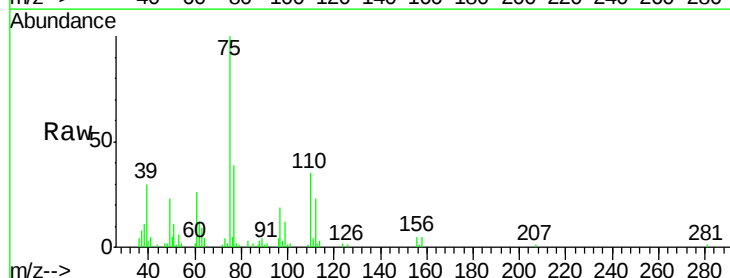
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion:	75	Resp:	57037
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060114.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060114.D (-3258) (-)

12.55

50000

40000

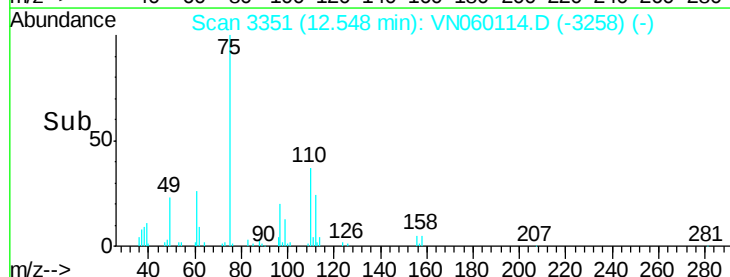
30000

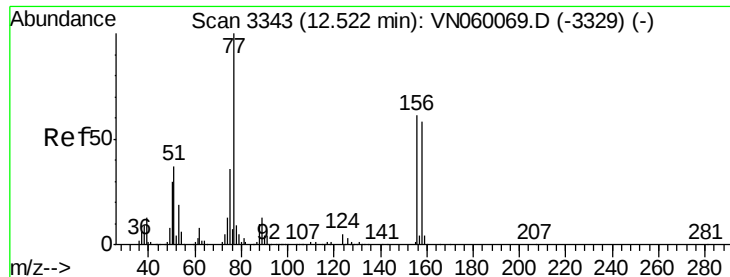
20000

10000

0

Time-->





#77

Bromobenzene

Concen: 19.079 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

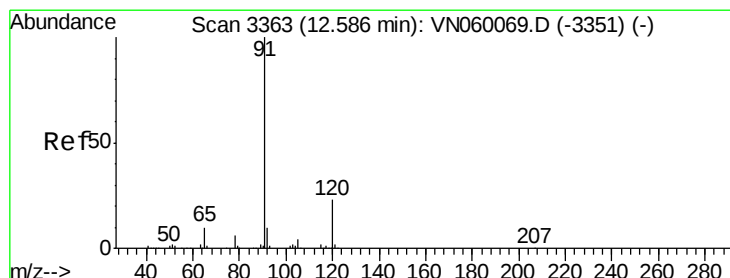
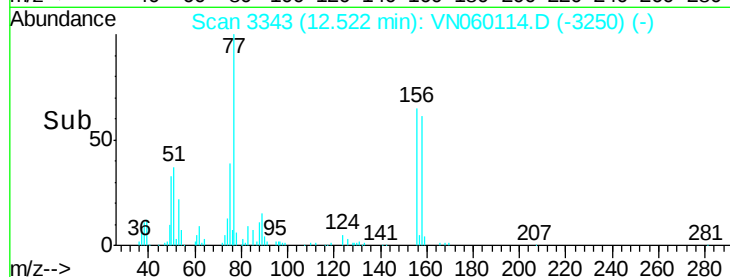
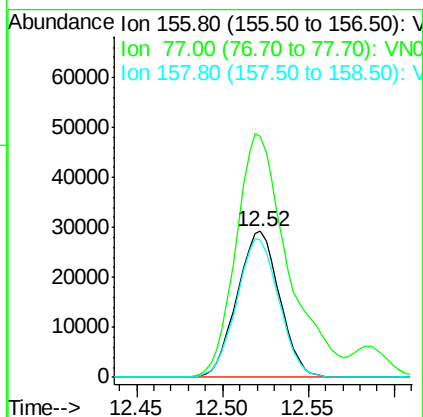
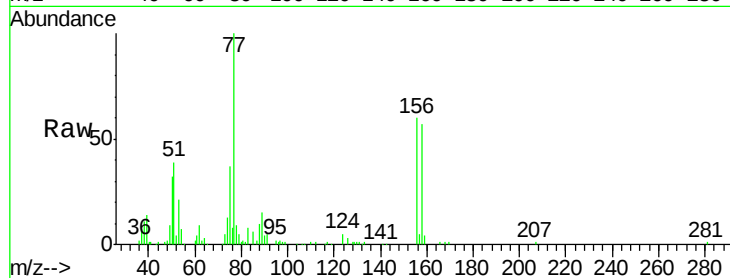
ClientSampleId :

VN0217WBSD01

Tot Ion:	156	Resp:	50057
Ion	Ratio	Lower	Upper
156	100		
77	204.5	98.7	296.1
158	94.6	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#78

n-propylbenzene

Concen: 19.110 ug/l

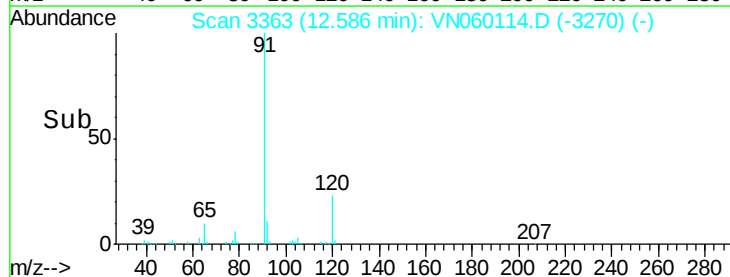
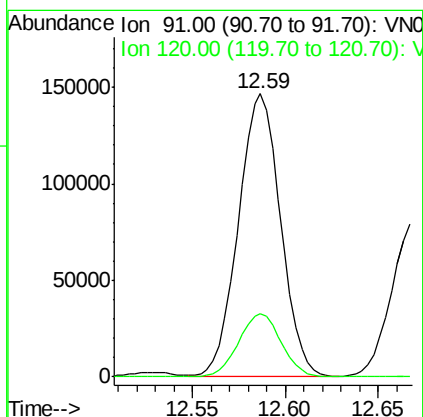
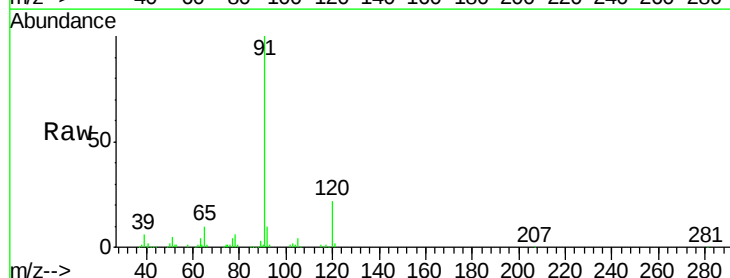
RT: 12.59 min Scan# 3363

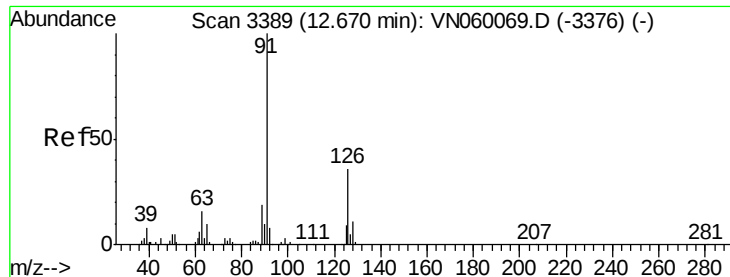
Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion:	91	Resp:	230182
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.960 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0217WBSD01

Tot Ion: 91 Resp: 134232

Ion Ratio Lower Upper

91 100

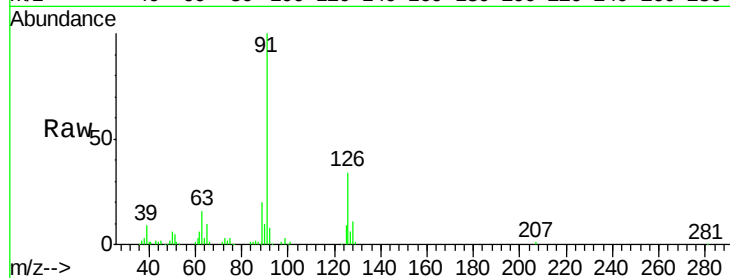
126 34.1 17.4 52.2

Manual Integrations

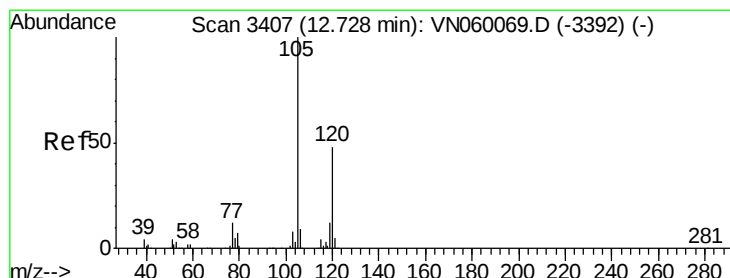
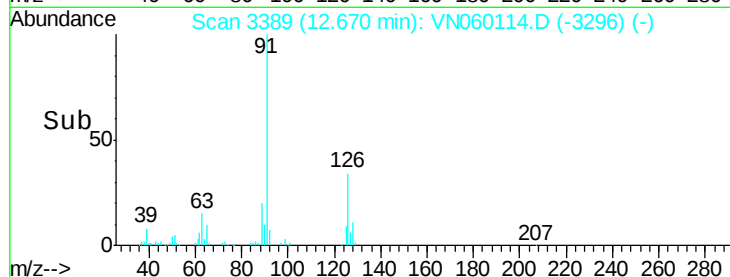
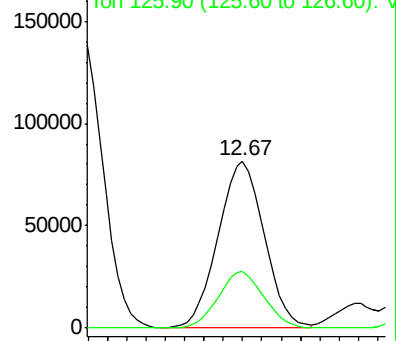
APPROVED

MMDadoda

2/18/2020 9:26:55 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060114.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.342 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060114.D

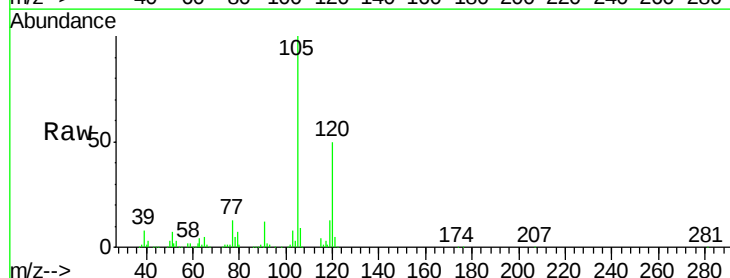
Acq: 17 Feb 2020 13:13

Tgt Ion: 105 Resp: 170020

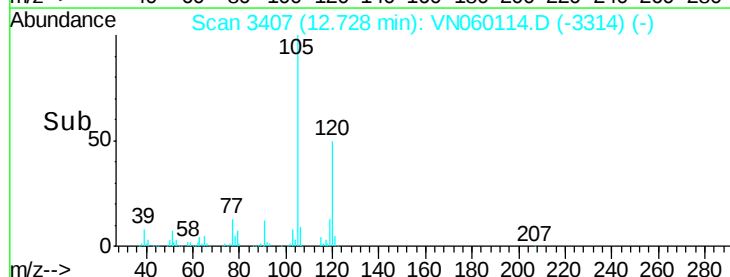
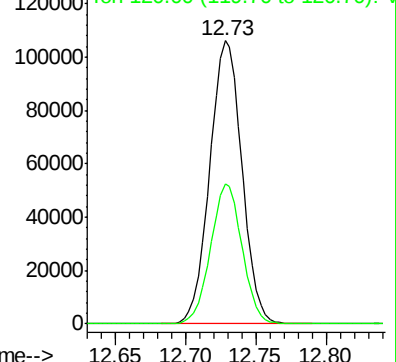
Ion Ratio Lower Upper

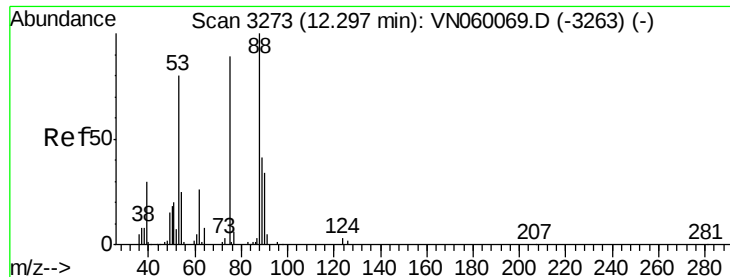
105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060114.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.462 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

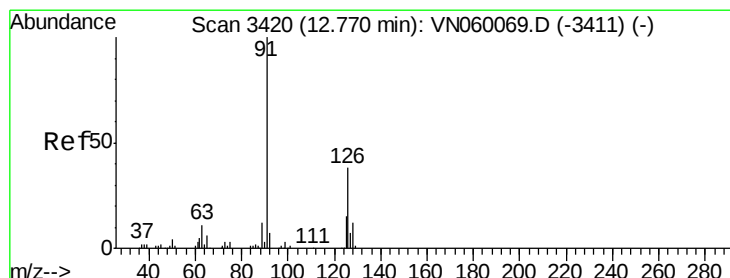
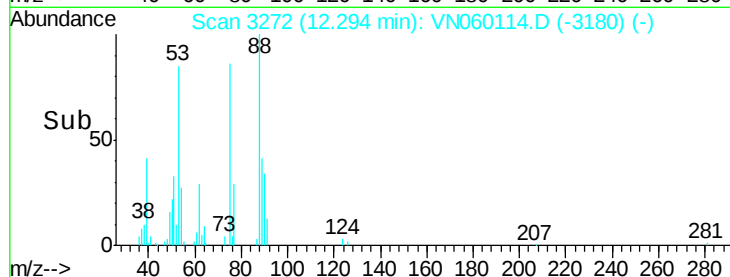
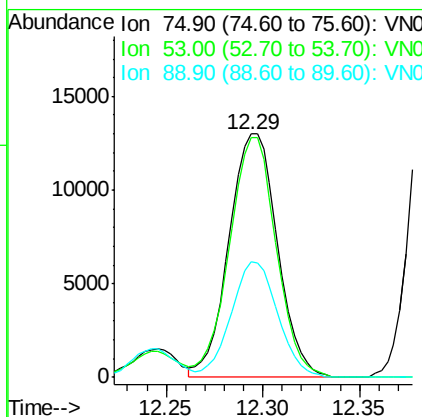
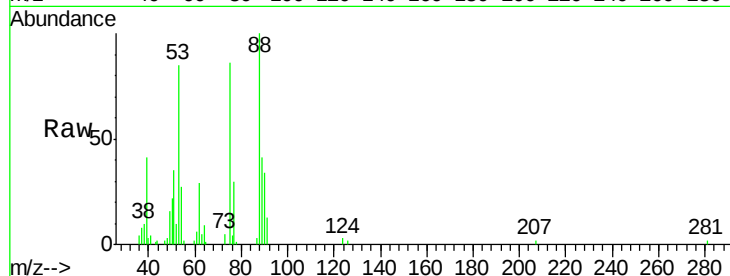
ClientSampleId :

VN0217WBSD01

Tot Ion:	75	Resp:	22636
Ion Ratio	Lower	Upper	
75	100		
53	95.3	73.9	110.9
89	45.8	37.0	55.4

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#82

4-Chlorotoluene

Concen: 18.854 ug/l

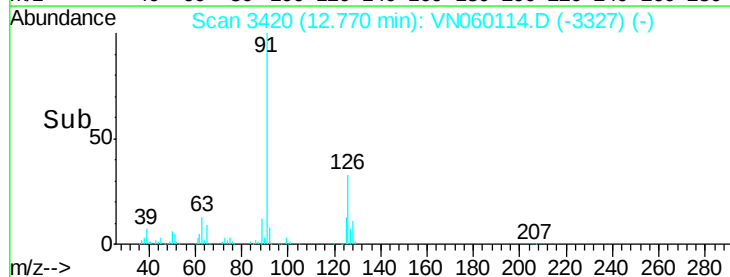
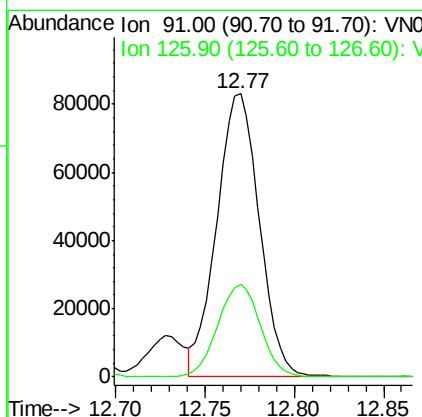
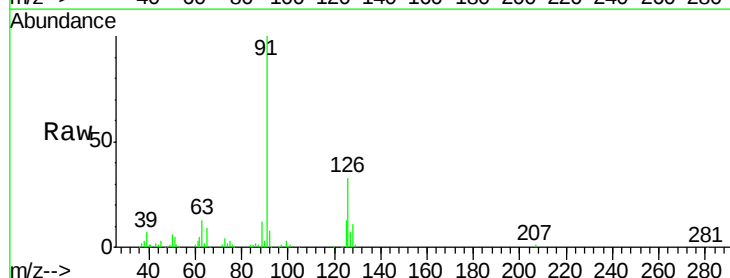
RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion:	91	Resp:	136947
Ion Ratio	Lower	Upper	
91	100		
126	32.9	17.1	51.3





#83

tert-Butylbenzene

Concen: 18.617 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

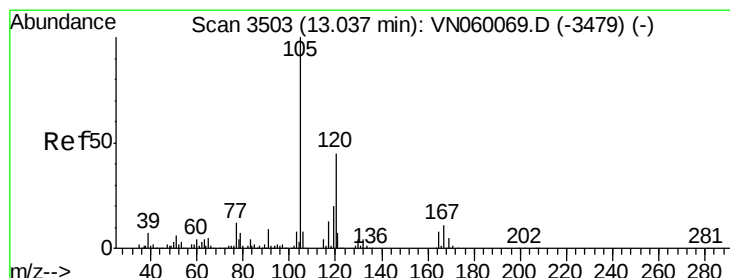
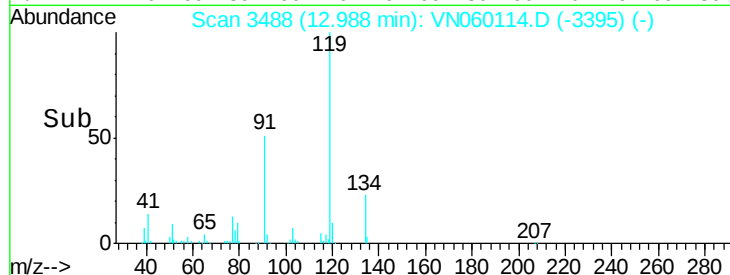
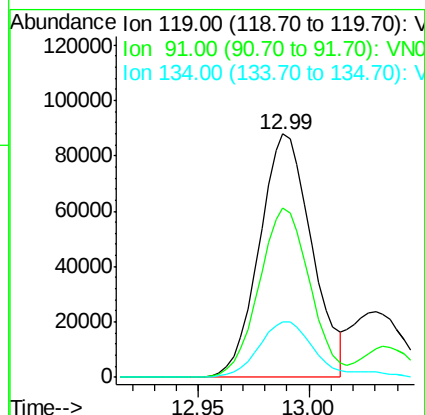
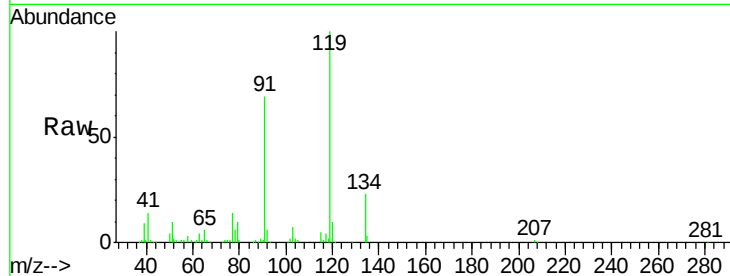
ClientSampleId :

VN0217WBSD01

Tot Ion:	119	Resp:	144764
Ion Ratio	Lower	Upper	
119	100		
91	67.7	32.7	98.1
134	25.1	12.9	38.7

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.487 ug/l

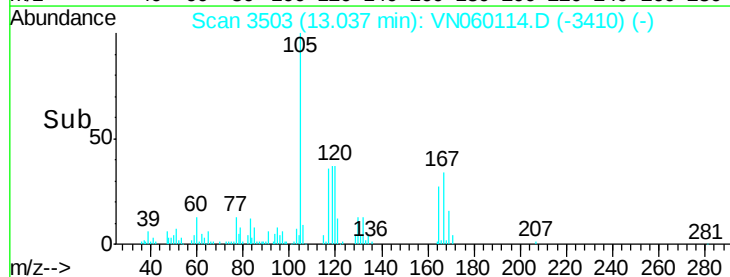
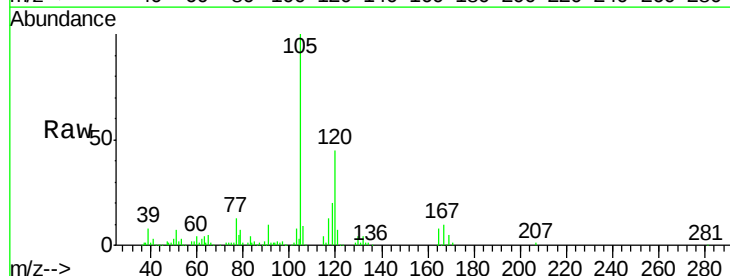
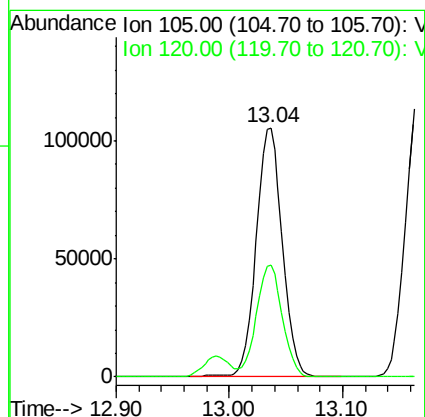
RT: 13.04 min Scan# 3503

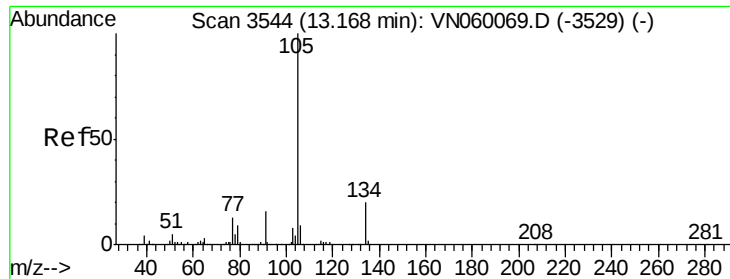
Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion:	105	Resp:	169088
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 19.061 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

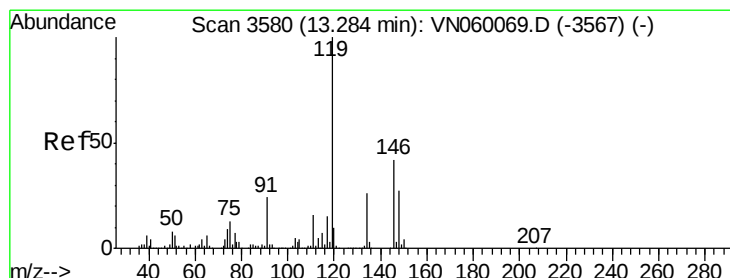
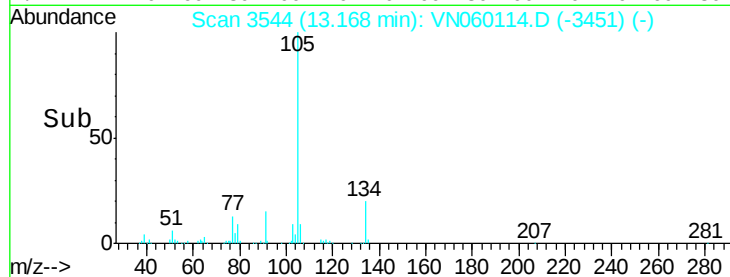
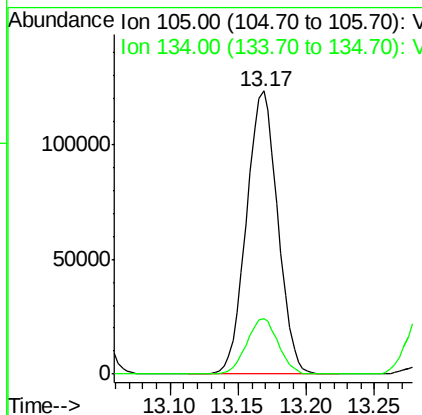
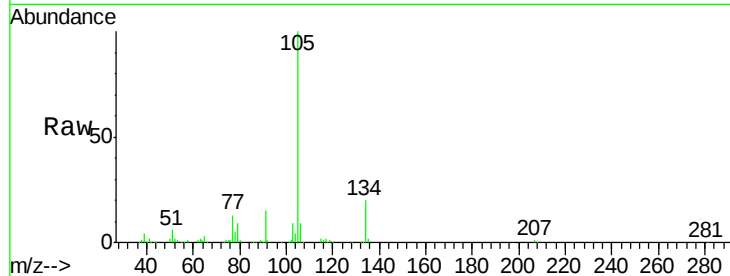
ClientSampled :

VN0217WBSD01

Tot Ion:	105	Resp:	196293
Ion Ratio	Lower	Upper	
105	100		
134	19.8	9.9	29.7

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#86

p-Isopropyltoluene

Concen: 18.956 ug/l

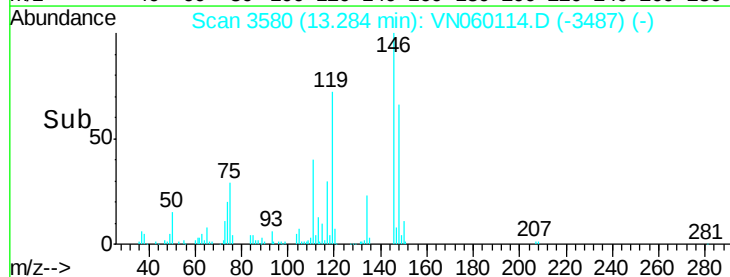
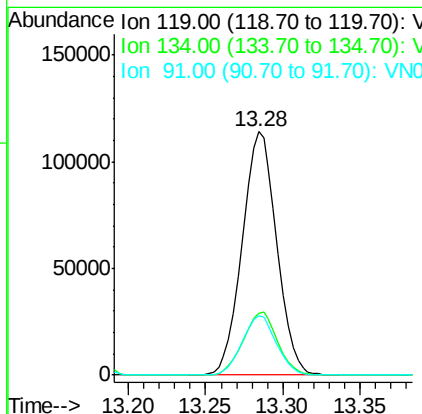
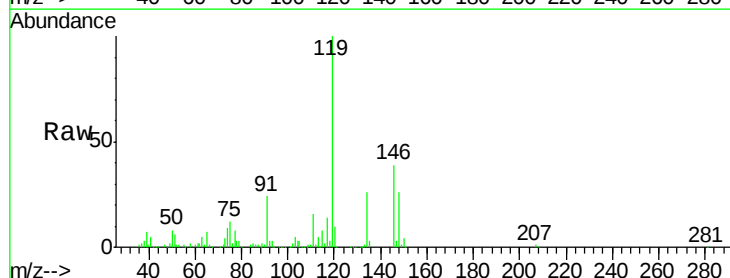
RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion:	119	Resp:	176872
Ion Ratio	Lower	Upper	
119	100		
134	25.8	13.3	39.8
91	24.2	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 18.415 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060114.D

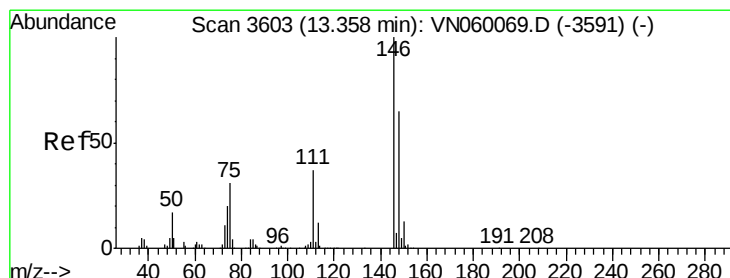
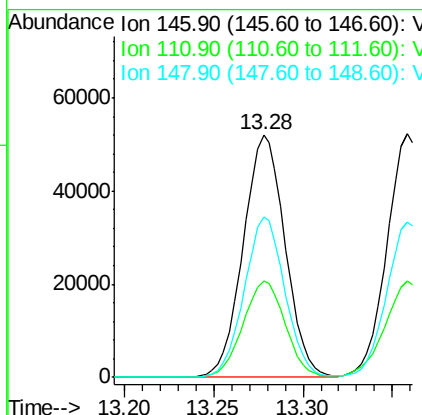
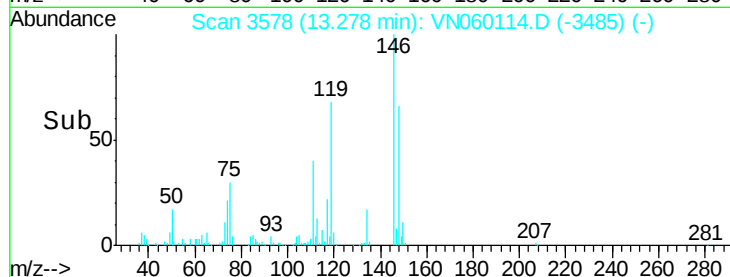
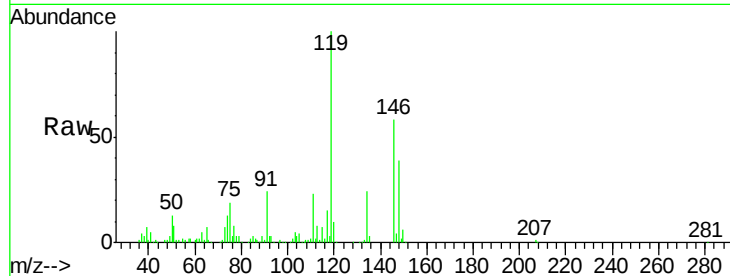
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	64.3	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#88

1,4-Dichlorobenzene

Concen: 18.650 ug/l

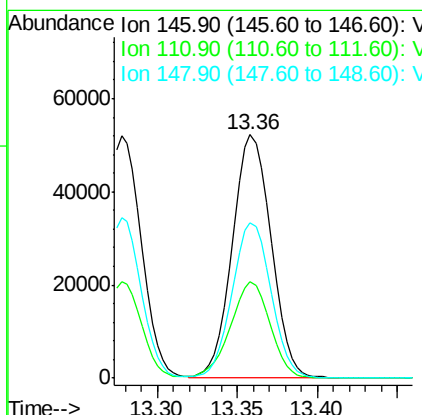
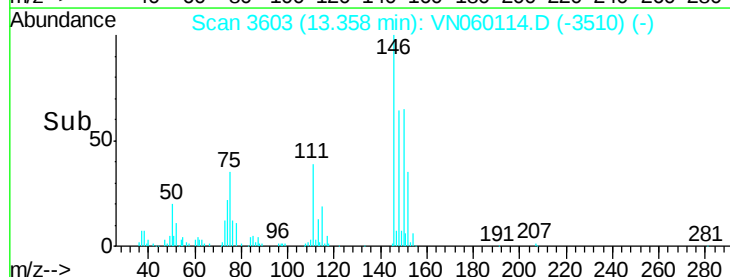
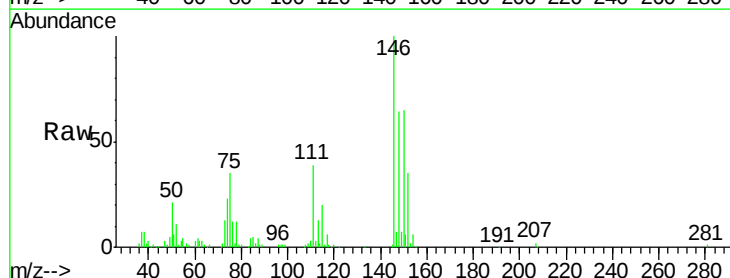
RT: 13.36 min Scan# 3603

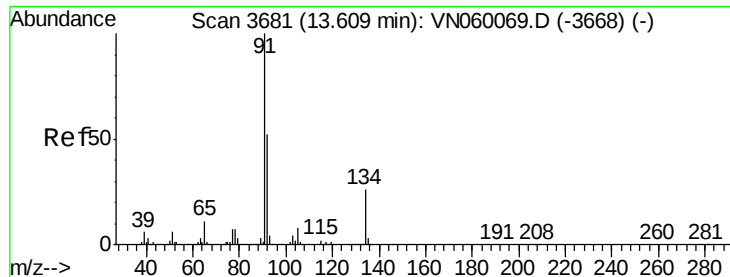
Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.9	56.5
148	64.2	32.0	96.0





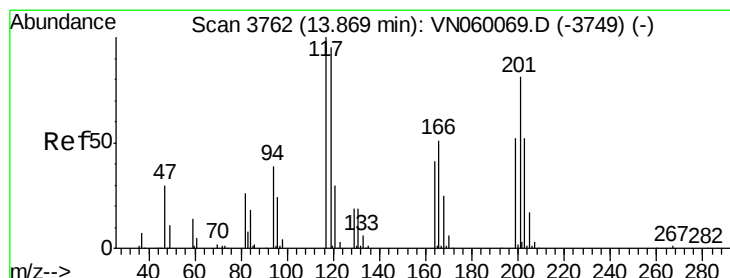
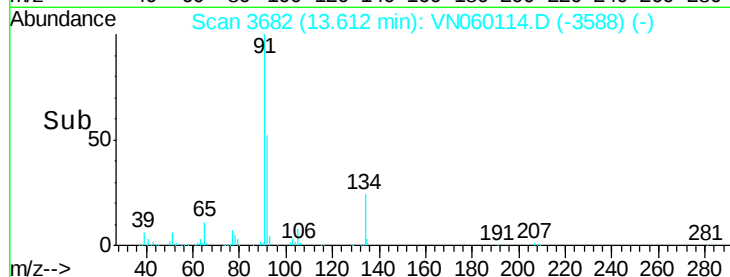
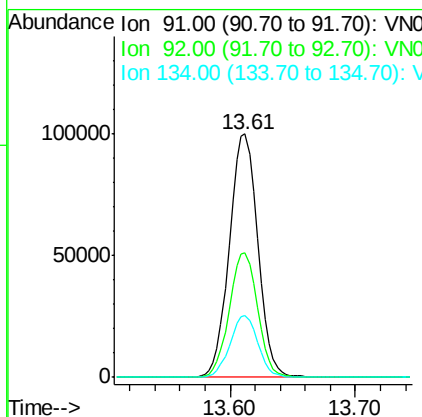
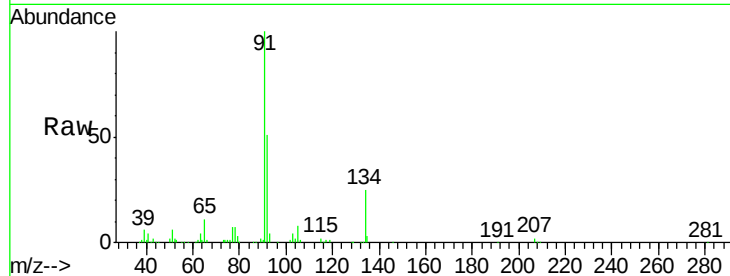
#89
n-Butylbenzene
Concen: 19.157 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.1	78.2
134	24.9	13.1	39.3

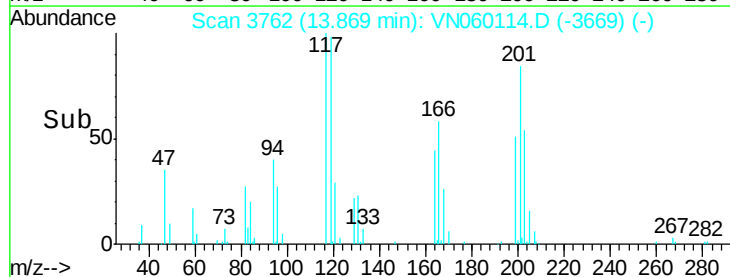
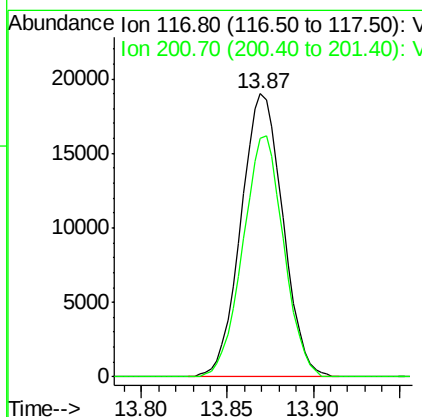
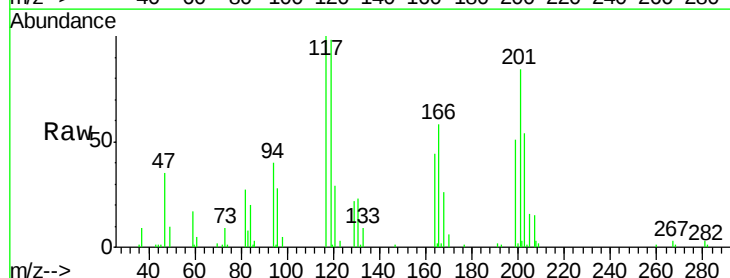
Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#90
Hexachloroethane
Concen: 18.471 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	41.7	125.1





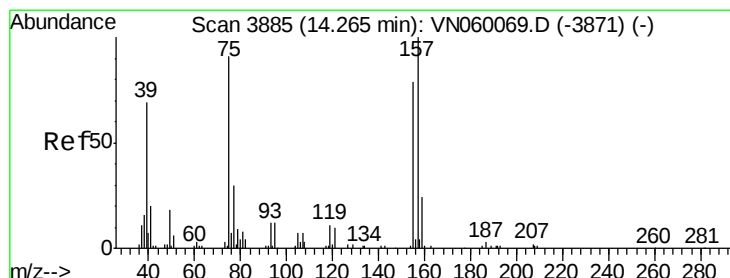
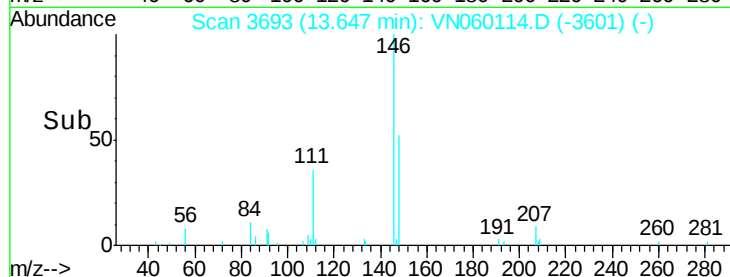
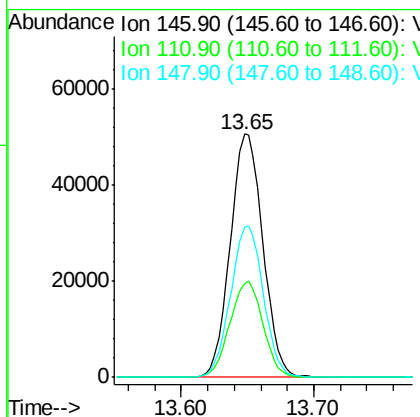
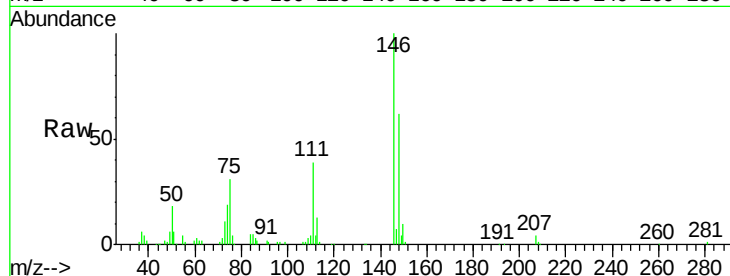
#91
 1,2-Dichlorobenzene
 Concen: 19.027 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	62.3	31.9	95.5

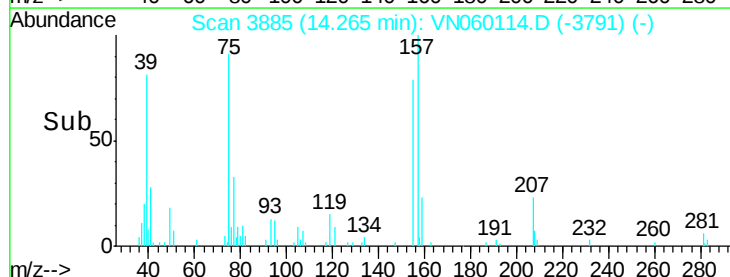
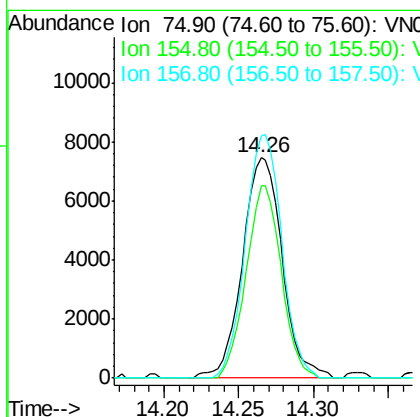
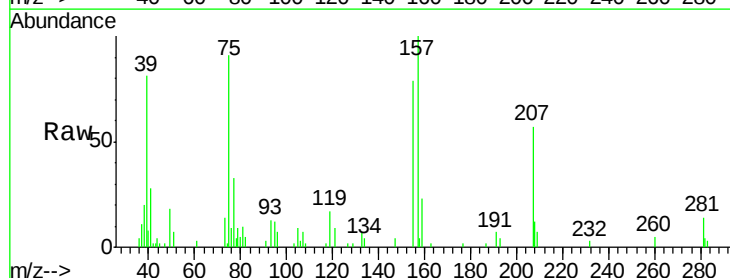
Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:26:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.863 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	43.0	129.0
157	101.6	54.9	164.5





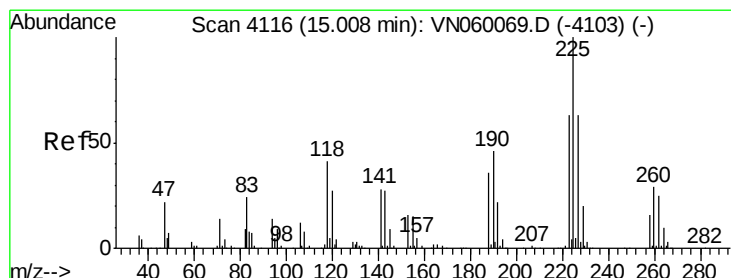
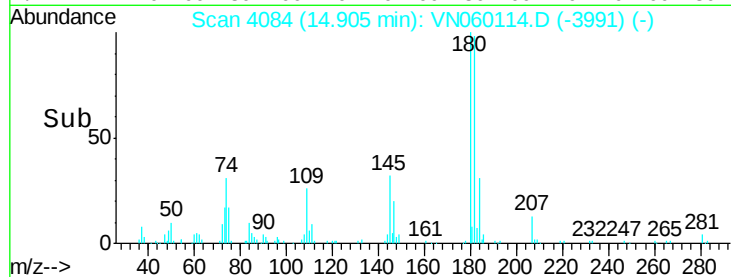
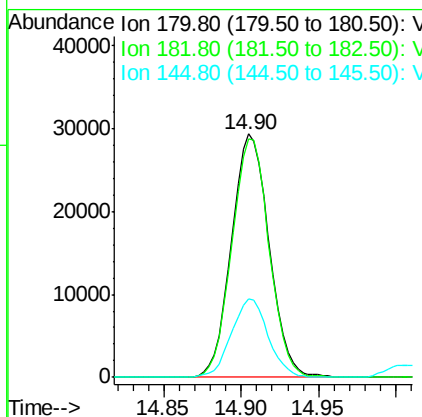
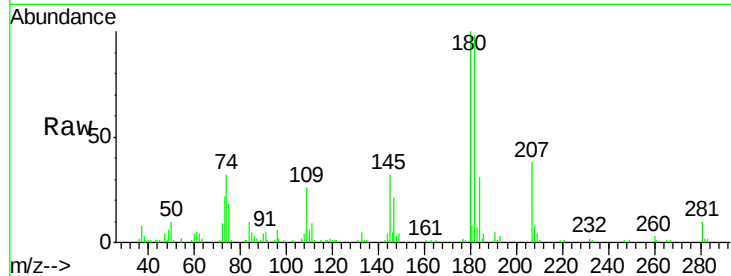
#93
1,2,4-Trichlorobenzene
Concen: 18.552 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0217WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49543		
182	97.1	47.9	143.8	
145	31.5	15.2	45.5	

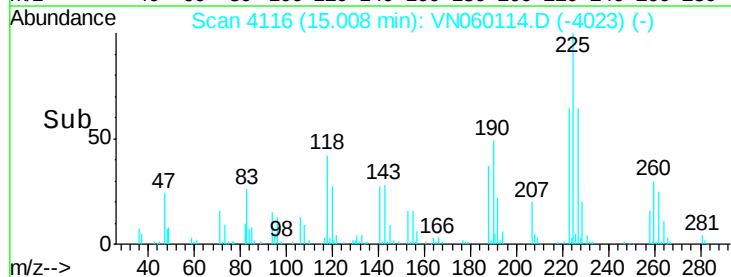
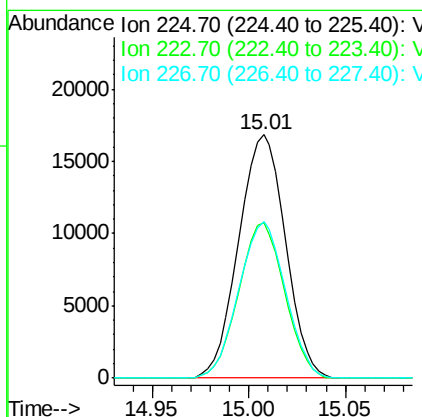
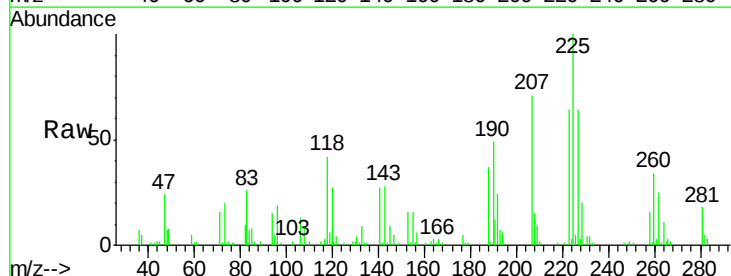
Manual Integrations
APPROVED

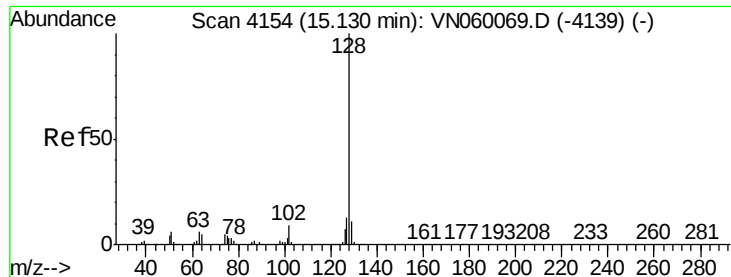
MMDadoda
2/18/2020 9:26:55 AM



#94
Hexachlorobutadiene
Concen: 18.132 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28348		
223	62.8	31.5	94.5	
227	64.1	31.8	95.4	





#95

Naphthalene

Concen: 20.212 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

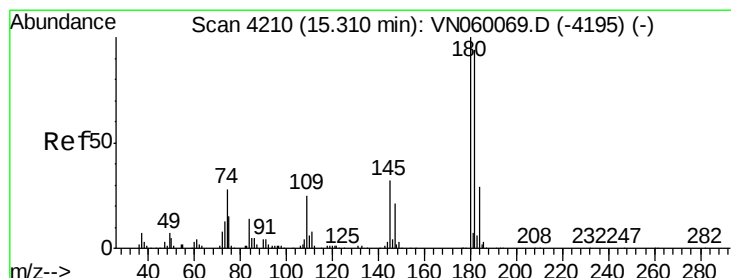
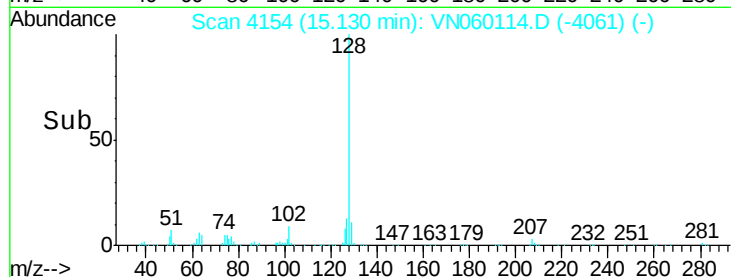
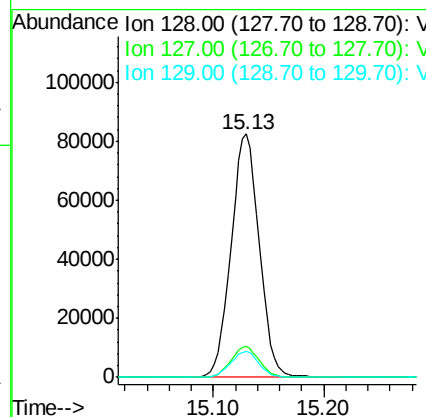
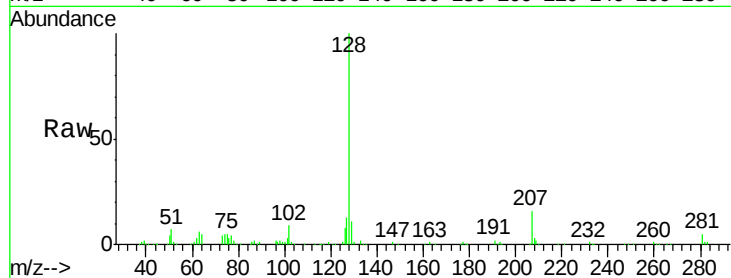
ClientSampleId :

VN0217WBSD01

Tot Ion:	128	Resp:	145808
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:26:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.794 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion:	180	Resp:	49982
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.5	142.5
145	32.4	16.1	48.3

