

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057792.D
 Acq On : 9 Sep 2019 11:02
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:04:54 AM

Quant Time: Sep 09 12:18:53 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Mon Sep 09 12:14:07 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	77265	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	454990	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	403084	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	200549	29.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.80%
60) 4-Bromofluorobenzene	12.40	95	201445	29.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.37%
63) Toluene-d8	10.08	98	574189	29.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.93%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	98358	21.070 ug/l	98
3) Chloromethane	2.03	50	118220	20.310 ug/l	94
4) Vinyl Chloride	2.16	62	119327	20.036 ug/l	100
5) Bromomethane	2.54	94	75382	20.282 ug/l	95
6) Chloroethane	2.68	64	69491	18.775 ug/l	97
7) Trichlorofluoromethane	2.99	101	134597	19.562 ug/l	99
8) Diethyl Ether	3.39	74	58116	20.937 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88406	20.577 ug/l	98
10) 1,1-Dichloroethene	3.71	96	84484	20.679 ug/l	93
11) Methyl Iodide	3.93	142	108953	19.932 ug/l	96
12) Methyl Acetate	4.31	43	110779	19.758 ug/l	96
13) Acrolein	3.59	56	28883	94.946 ug/l	95
14) Acrylonitrile	4.96	53	228040	99.771 ug/l #	91
15) Acetone	3.80	58	66522	102.517 ug/l	99
16) Carbon Disulfide	4.03	76	194441	20.438 ug/l	99
17) Allyl chloride	4.30	41	152296	20.343 ug/l	94
18) Methylene Chloride	4.53	84	104151	20.230 ug/l	98
19) trans-1,2-Dichloroethene	5.01	96	90275	19.826 ug/l	99
20) Diisopropyl ether	5.93	45	341780	19.528 ug/l	98
21) 1,1-Dichloroethane	5.83	63	189892	19.677 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	113808	20.399 ug/l	95
23) tert-Butyl Alcohol	4.77	59	75431	101.092 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	309115	19.740 ug/l #	100
25) Chloroform	7.36	83	193521	19.697 ug/l	98
26) Cyclohexane	7.64	56	154312	19.031 ug/l #	99
29) 1,1-Dichloropropene	7.78	75	139859	19.540 ug/l	100
30) 2-Butanone	6.82	43	320945	99.446 ug/l	99
31) 2,2-Dichloropropane	6.81	77	149638	19.802 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	154514	19.200 ug/l	97
33) Carbon Tetrachloride	7.76	117	125829	19.167 ug/l	94
34) Benzene	8.03	78	413053	19.476 ug/l	99
35) Methacrylonitrile	7.15	41	51183	17.099 ug/l	94
36) 1,2-Dichloroethane	8.11	62	159191	19.343 ug/l	100
37) Trichloroethene	8.83	130	102359	19.871 ug/l	97
38) Methylcyclohexane	9.07	83	154117	18.909 ug/l	99
39) 1,2-Dichloropropane	9.11	63	113543	19.063 ug/l	98
40) Dibromomethane	9.20	93	71541	19.749 ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057792.D
 Acq On : 9 Sep 2019 11:02
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN090919

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:04:54 AM

Quant Time: Sep 09 12:18:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	137867	18.877	ug/l	97
42) Vinyl Acetate	5.87	43	1379653	106.364	ug/l	99
43) Ethyl Acetate	6.91	43	128805	19.562	ug/l #	84
44) Isopropyl Acetate	8.15	43	220280	19.187	ug/l #	92
45) 1,4-Dioxane	9.19	88	34682	384.446	ug/l	98
46) Methyl methacrylate	9.19	41	106372	18.968	ug/l	97
47) n-amyl Acetate	12.07	43	193339	18.333	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	144351	18.566	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	164342	18.839	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	99696	18.973	ug/l	98
51) Ethyl methacrylate	10.43	69	154706	18.988	ug/l	98
52) 1,3-Dichloropropane	10.71	76	177812	19.350	ug/l	99
53) Dibromochloromethane	10.90	129	96119	18.522	ug/l	99
54) 1,2-Dibromoethane	11.00	107	98927	18.922	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	377612	97.537	ug/l	99
56) Bromoform	12.13	173	57372	17.846	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	674695	107.935	ug/l	99
59) 2-Hexanone	10.75	43	484991	103.391	ug/l	100
61) Tetrachloroethene	10.63	164	81181	19.809	ug/l	98
62) Toluene	10.15	91	449349	20.133	ug/l	99
64) Chlorobenzene	11.43	112	272297	19.667	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	92977	19.341	ug/l	99
66) Ethyl Benzene	11.51	91	497503	20.424	ug/l	100
67) m/p-Xylenes	11.62	106	361121	38.842	ug/l	99
68) o-Xylene	11.95	106	176134	19.338	ug/l	98
69) Styrene	11.96	104	303805	19.563	ug/l	99
70) Isopropylbenzene	12.25	105	489518	20.329	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	147251	19.567	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	131419m	19.675	ug/l	
73) Bromobenzene	12.53	156	112240	19.470	ug/l	97
74) n-propylbenzene	12.59	91	565882	20.569	ug/l	99
75) 2-Chlorotoluene	12.68	91	335573	19.583	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	409827	19.987	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34559	17.440	ug/l	94
78) 4-Chlorotoluene	12.78	91	344358	19.701	ug/l	98
79) tert-butylbenzene	13.00	119	354211	19.801	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	409737	20.055	ug/l	100
81) sec-Butylbenzene	13.17	105	479454	20.201	ug/l	100
82) p-Isopropyltoluene	13.29	119	422511	19.878	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	209298	19.532	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	207117	19.633	ug/l	98
85) n-Butylbenzene	13.62	91	393558	19.868	ug/l	99
86) Hexachloroethane	13.88	117	59563	17.593	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	202420	19.461	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25500	19.245	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	136188	21.434	ug/l	97
90) Hexachlorobutadiene	15.01	225	60538	20.746	ug/l	97
91) Naphthalene	15.13	128	412292	23.583	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	135321	22.331	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
Data File : VN057792.D
Acq On : 9 Sep 2019 11:02
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM

Quant Time: Sep 09 12:18:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

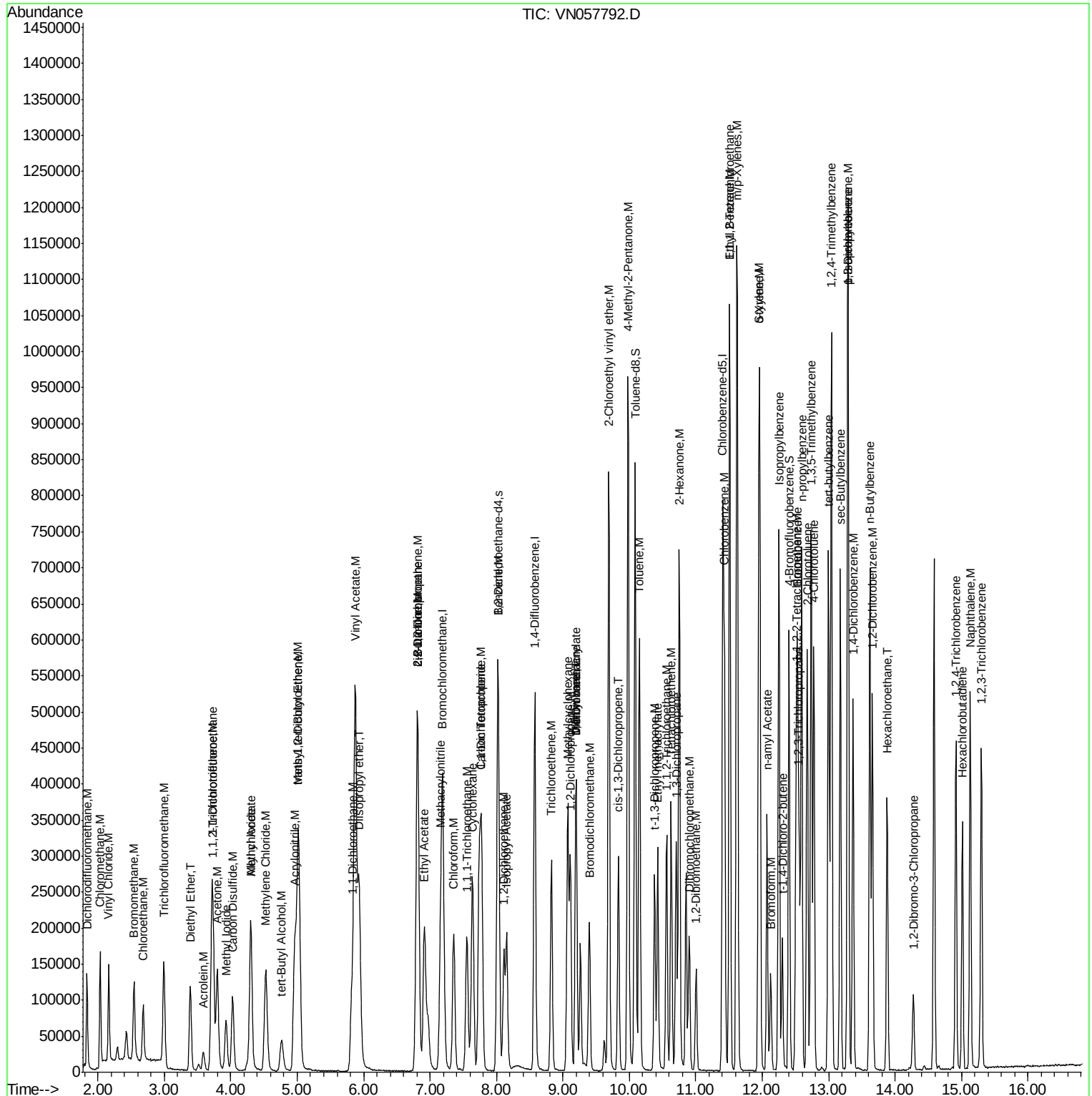
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
Data File : VN057792.D
Acq On : 9 Sep 2019 11:02
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

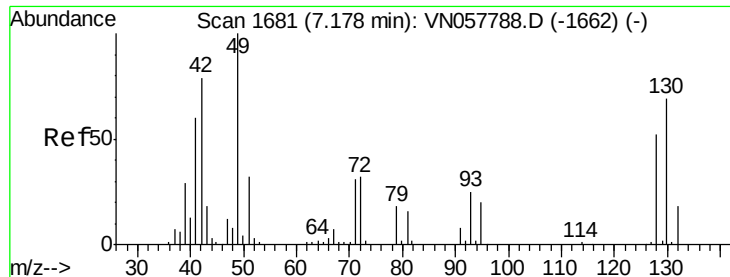
Instrument :
MSVOA_N
ClientSampleID :
ICVVN090919

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM

Quant Time: Sep 09 12:18:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 2019
Response via : Initial Calibration





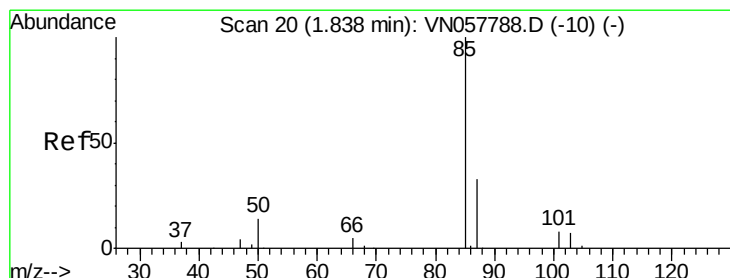
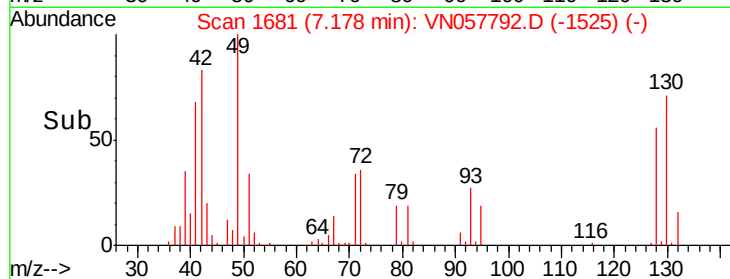
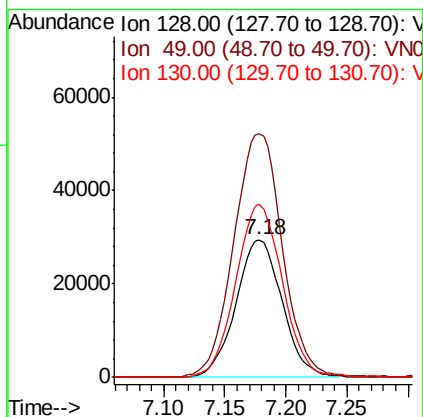
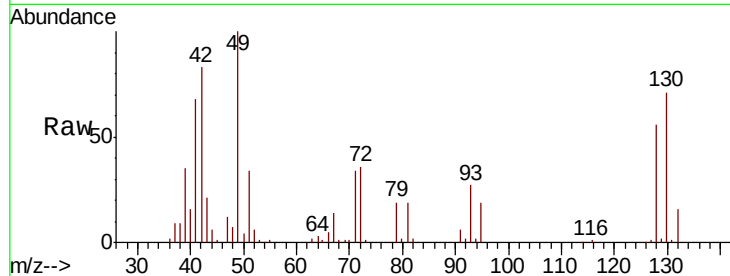
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
128	100		
49	186.9	0.0	486.5
130	127.0	0.0	324.5

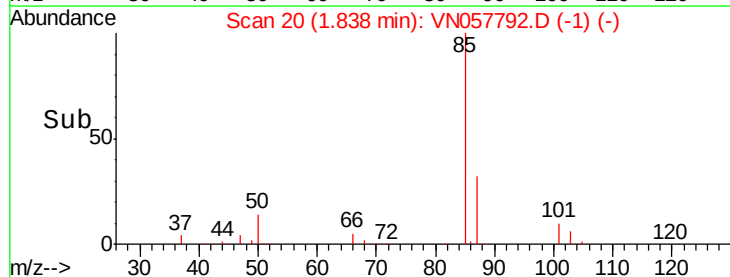
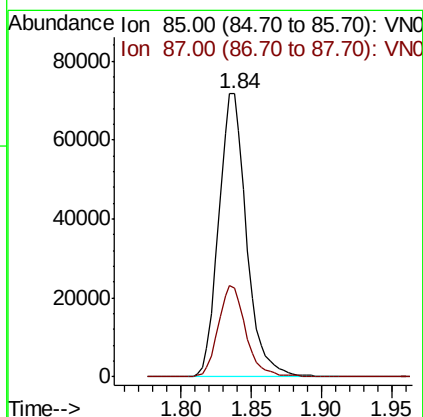
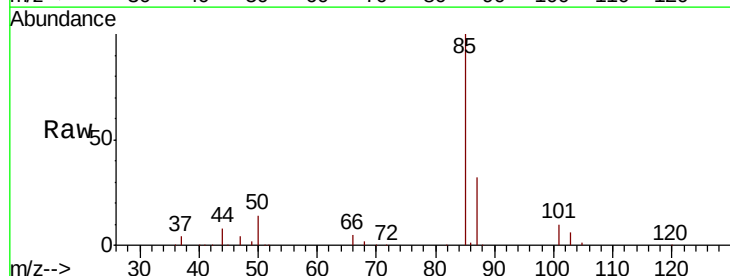
Manual Integrations
APPROVED

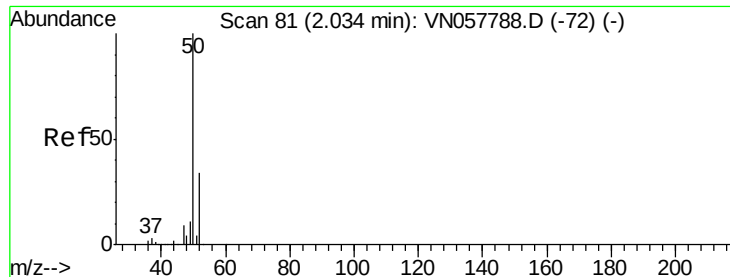
MMDadoda
9/13/2019 11:04:54 AM



#2
Dichlorodifluoromethane
Concen: 21.070 ug/l
RT: 1.84 min Scan# 20
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.4	49.4





#3

Chloromethane

Concen: 20.310 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

ICVVN090919

Tgt Ion: 50 Resp: 118220

Ion Ratio Lower Upper

50 100

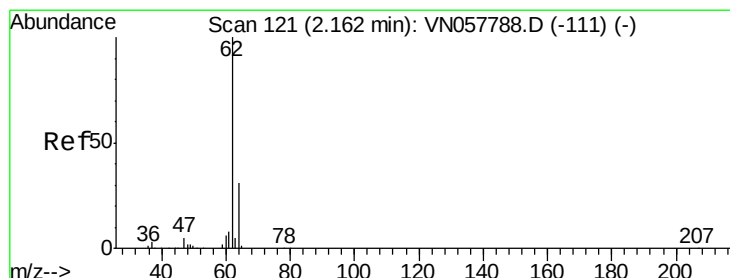
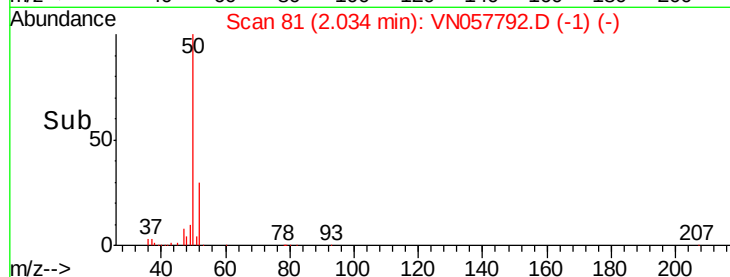
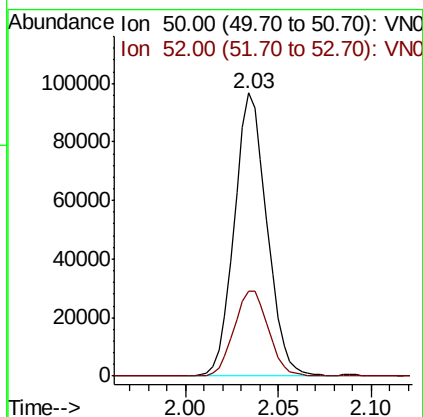
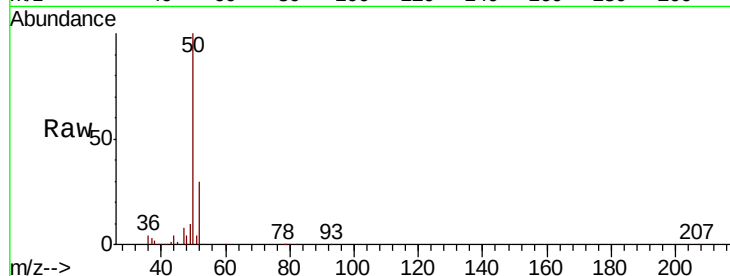
52 30.1 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:04:54 AM



#4

Vinyl Chloride

Concen: 20.036 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057792.D

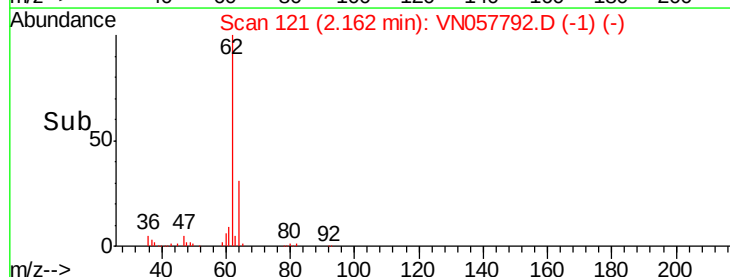
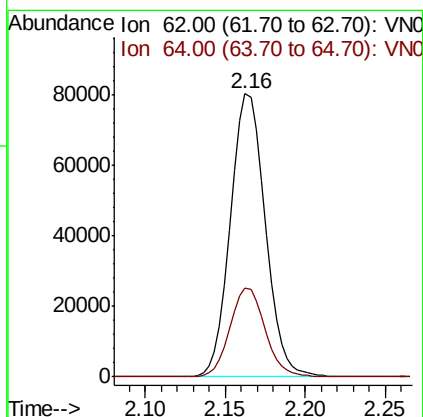
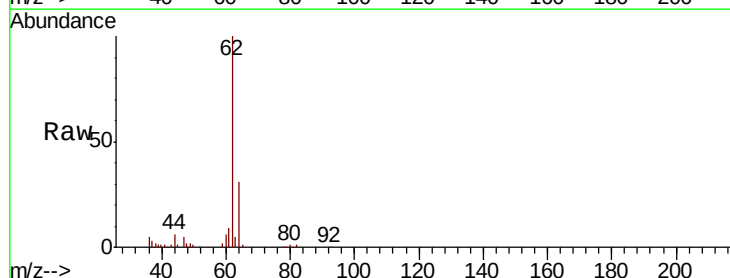
Acq: 9 Sep 2019 11:02

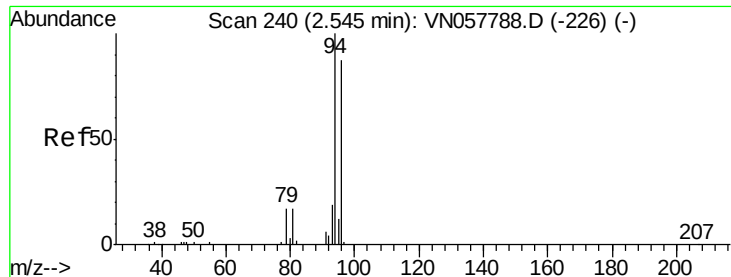
Tgt Ion: 62 Resp: 119327

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 20.282 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

Tgt Ion: 94 Resp: 75382

Ion Ratio Lower Upper

94 100

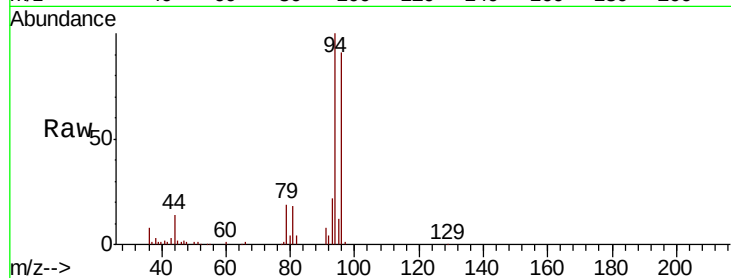
96 91.1 69.2 103.8

Manual Integrations

APPROVED

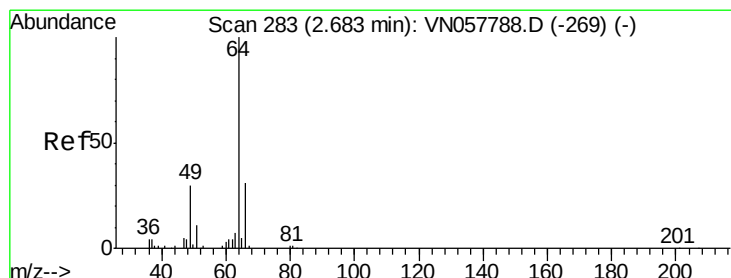
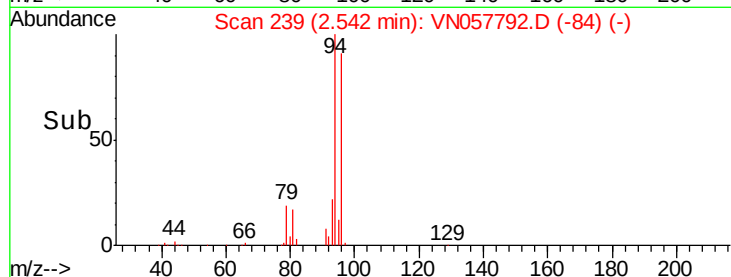
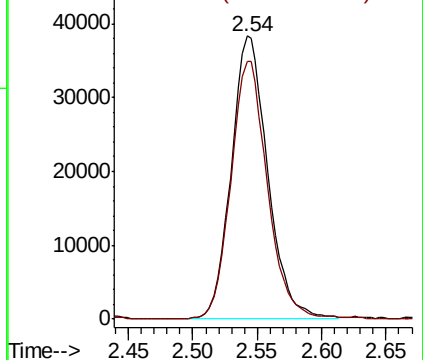
MMDadoda

9/13/2019 11:04:54 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.775 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN057792.D

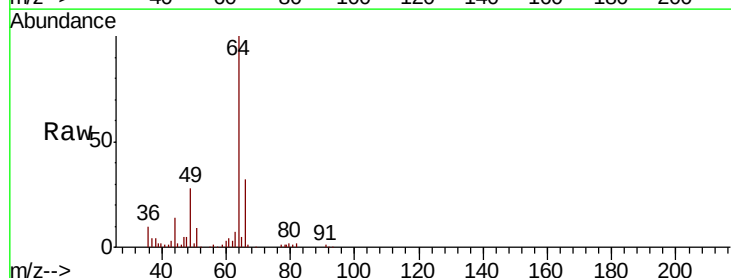
Acq: 9 Sep 2019 11:02

Tgt Ion: 64 Resp: 69491

Ion Ratio Lower Upper

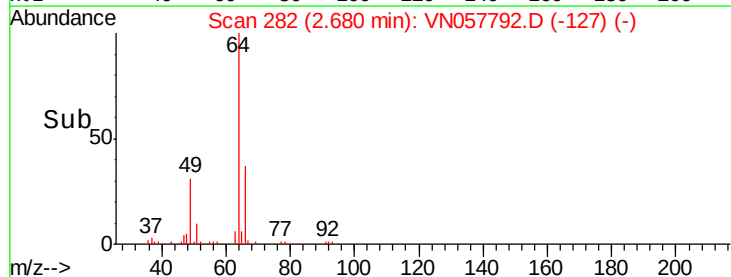
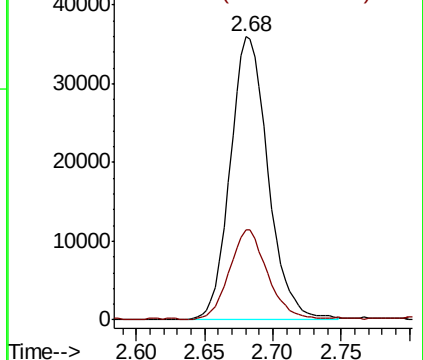
64 100

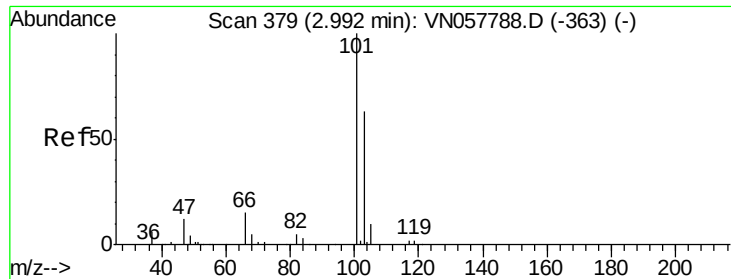
66 32.0 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

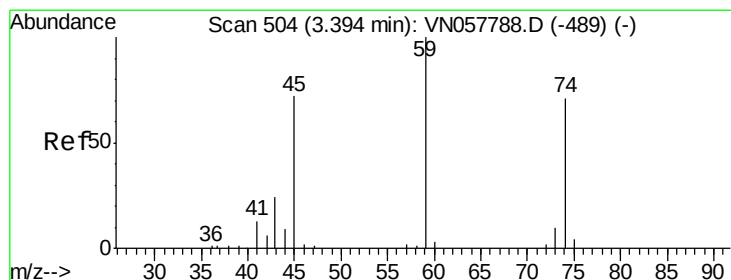
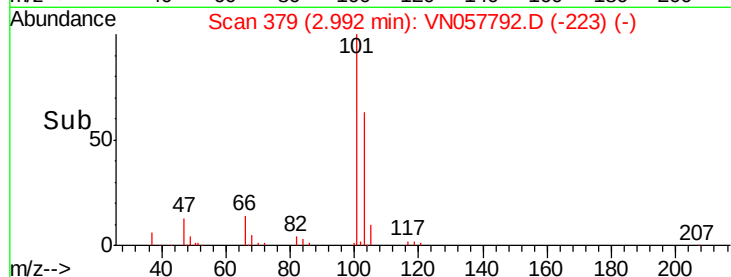
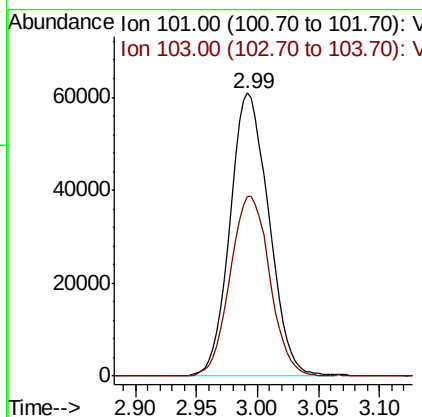
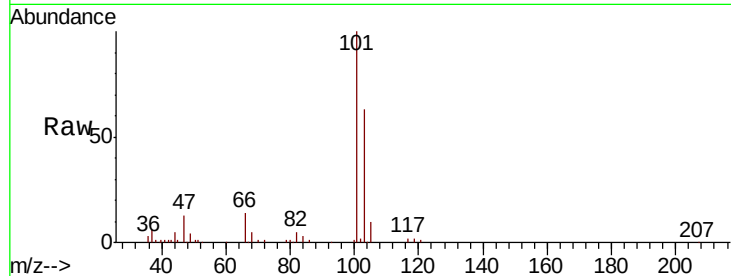
Trichlorofluoromethane
Concen: 19.562 ug/l
RT: 2.99 min Scan# 379
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.2	75.2

Manual Integrations
APPROVED

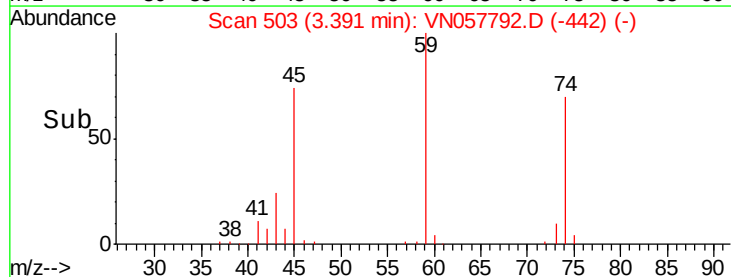
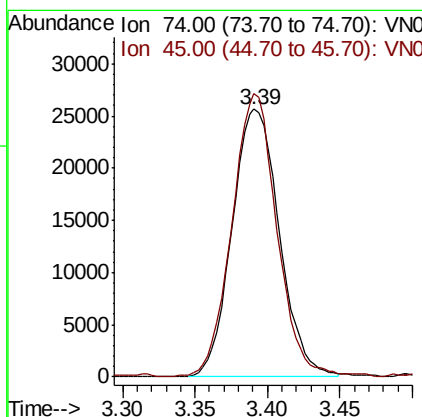
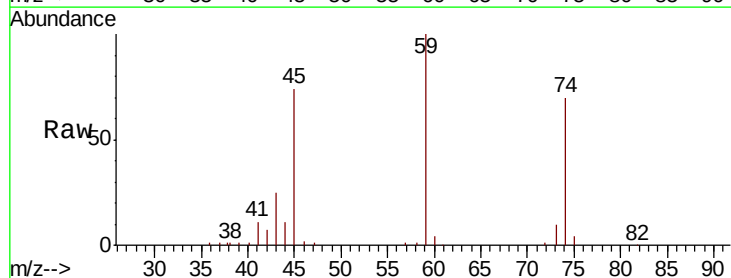
MMDadoda
9/13/2019 11:04:54 AM

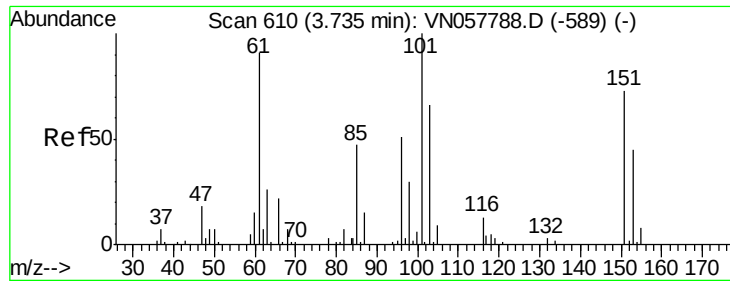


#8

Diethyl Ether
Concen: 20.937 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	20.3	182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.577 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

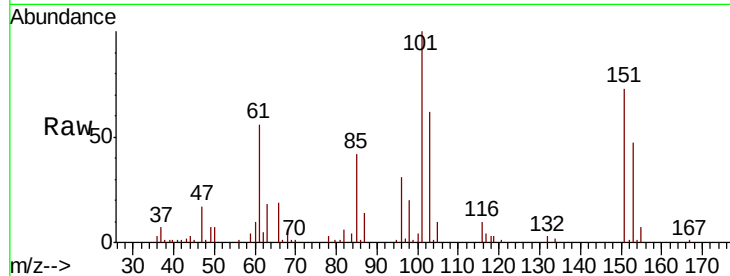
ClientSampled :

ICVVN090919

Tgt Ion:	101	Resp:	88406
Ion Ratio	Lower	Upper	
101	100		
85	46.7	0.0	94.0
151	74.1	0.0	144.4

Manual Integrations
APPROVED

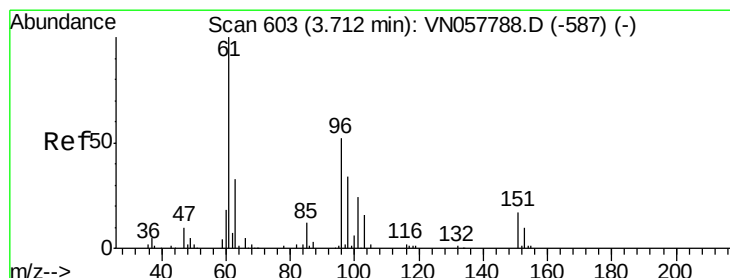
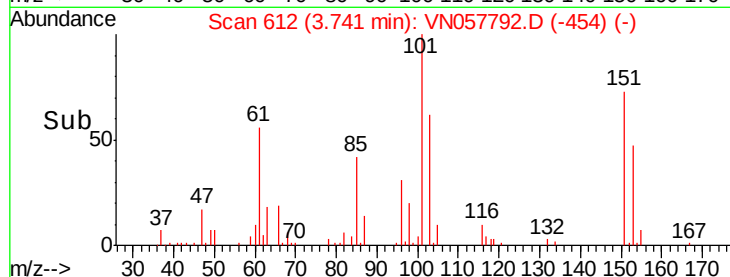
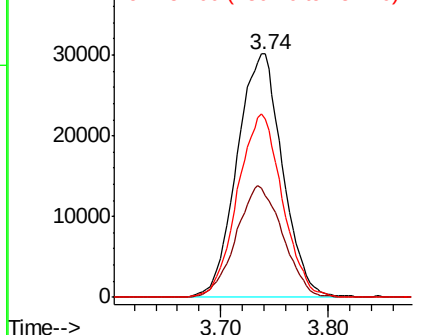
MMDadoda
9/13/2019 11:04:54 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.679 ug/l

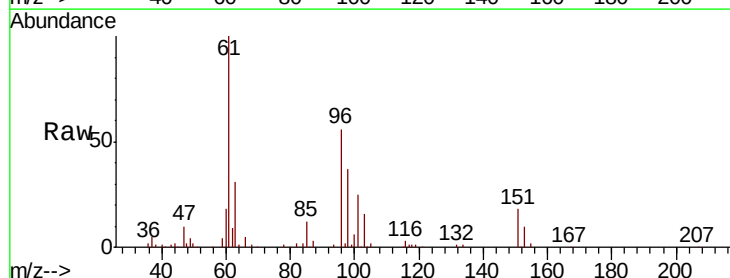
RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

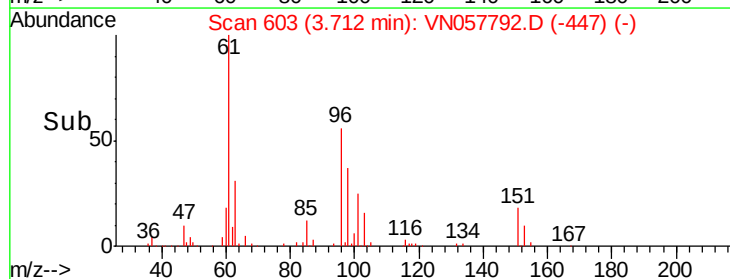
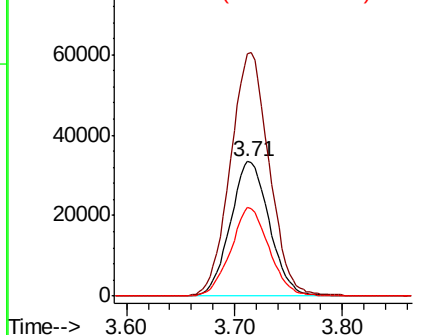
Tgt Ion:	96	Resp:	84484
Ion Ratio	Lower	Upper	
96	100		
61	178.6	153.4	230.0
98	65.8	51.5	77.3

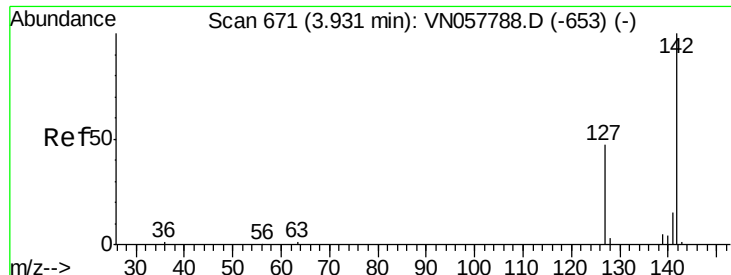


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





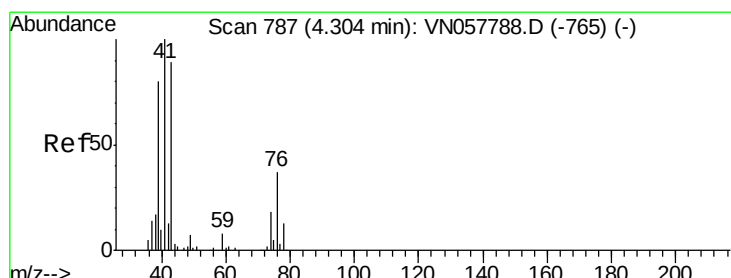
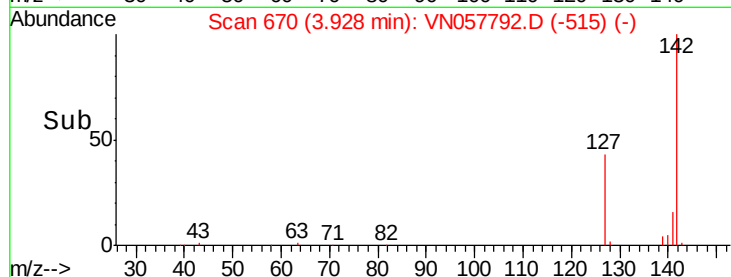
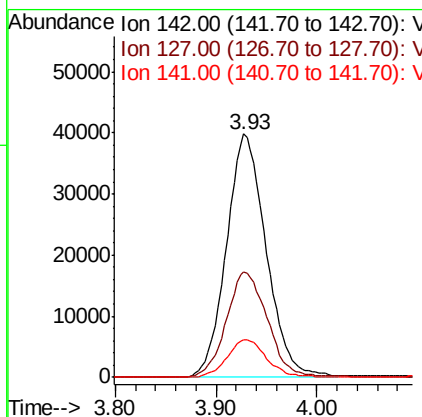
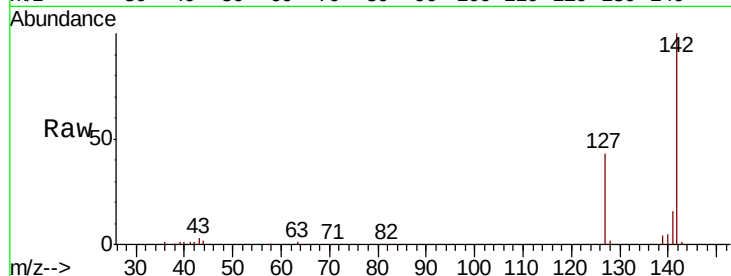
#11
Methyl Iodide
Concen: 19.932 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.2	23.3	69.8
141	15.7	7.5	22.6

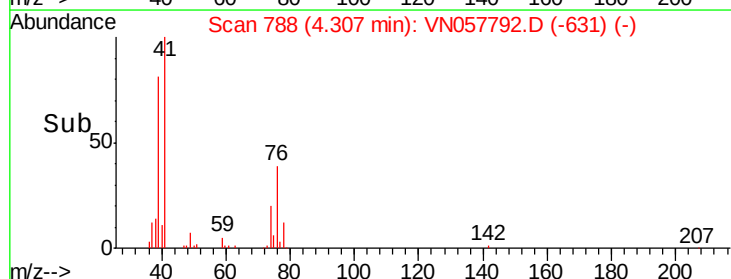
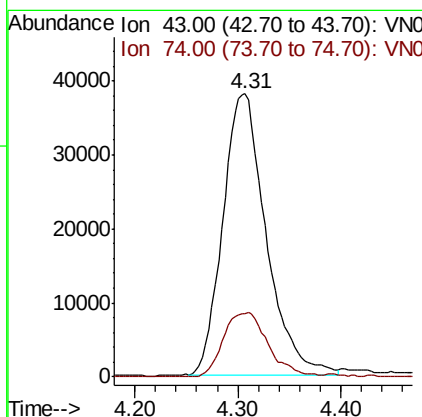
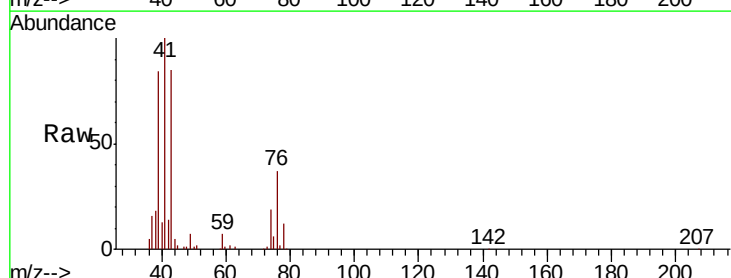
Manual Integrations
APPROVED

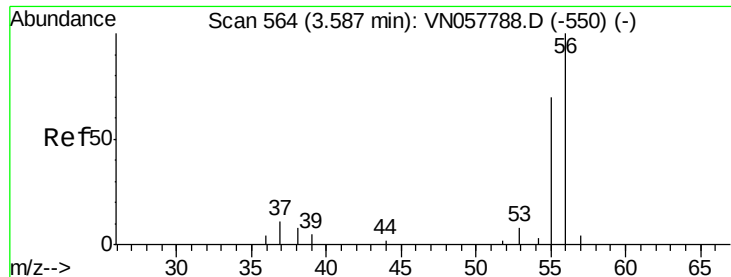
MMDadoda
9/13/2019 11:04:54 AM



#12
Methyl Acetate
Concen: 19.758 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	16.2	24.4





#13

Acrolein

Concen: 94.946 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

ICVVN090919

Tgt Ion: 56 Resp: 28883

Ion Ratio Lower Upper

56 100

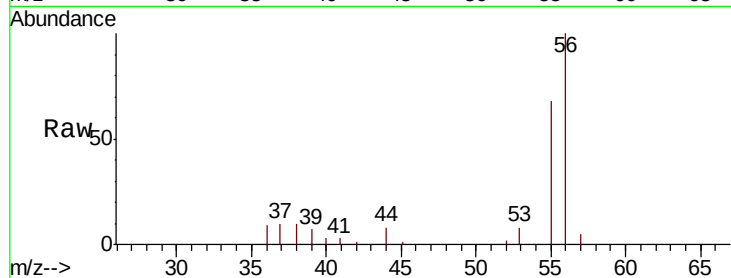
55 69.5 59.0 88.4

Manual Integrations

APPROVED

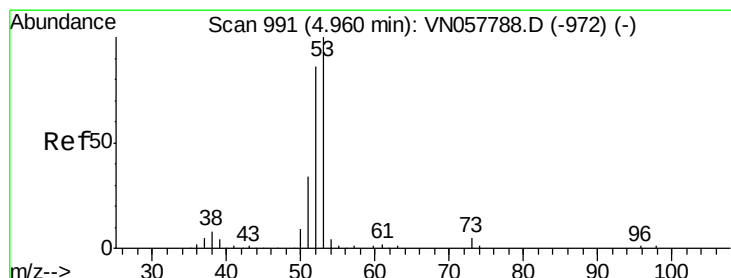
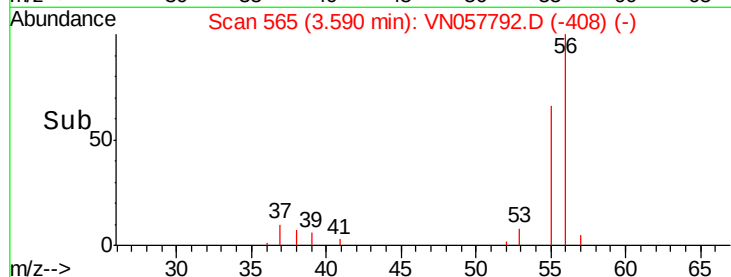
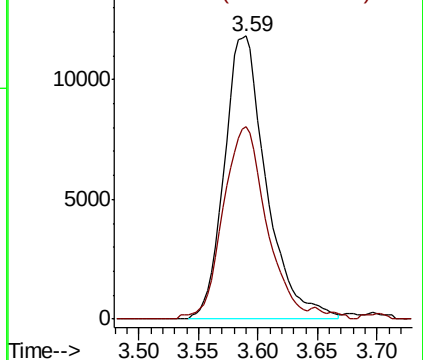
MMDadoda

9/13/2019 11:04:54 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.771 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

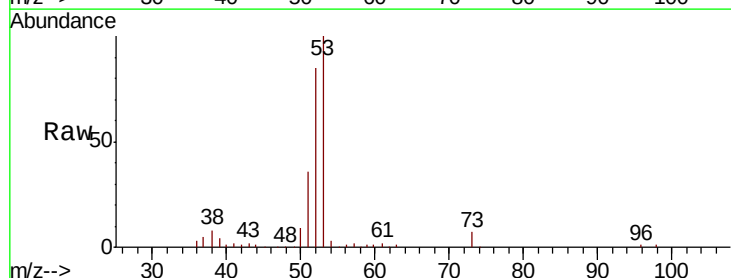
Tgt Ion: 53 Resp: 228040

Ion Ratio Lower Upper

53 100

52 83.2 41.0 123.0

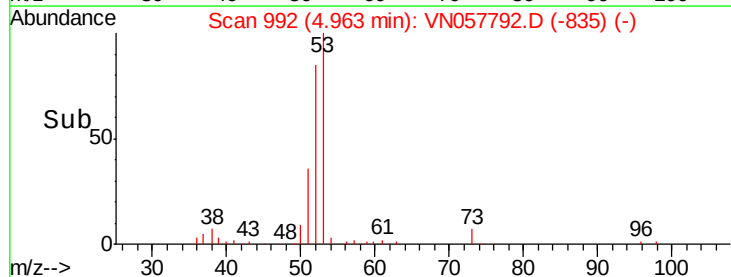
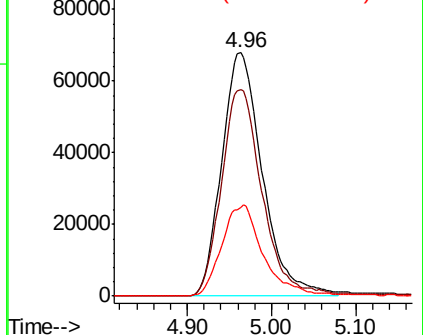
51 37.8 8.6 25.8#

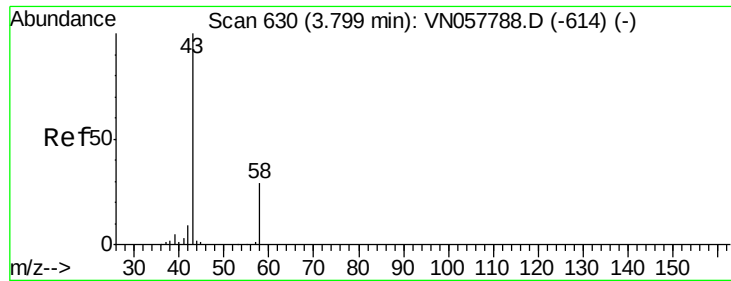


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.517 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleID :

ICVVN090919

Tgt Ion: 58 Resp: 66522

Ion Ratio Lower Upper

58 100

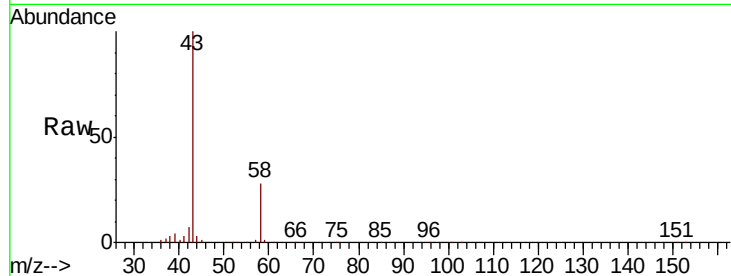
43 348.5 277.7 416.5

Manual Integrations

APPROVED

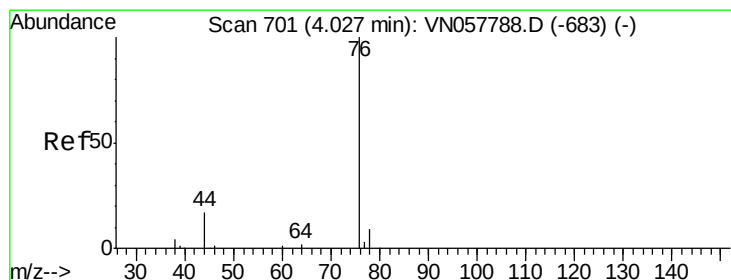
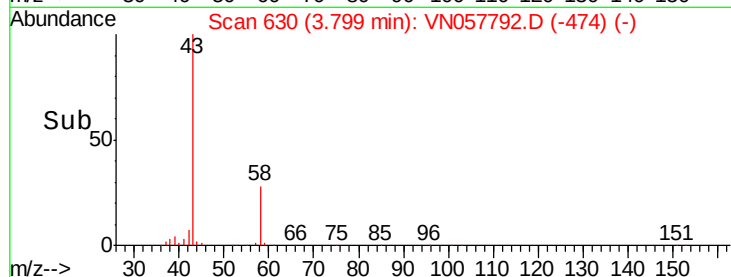
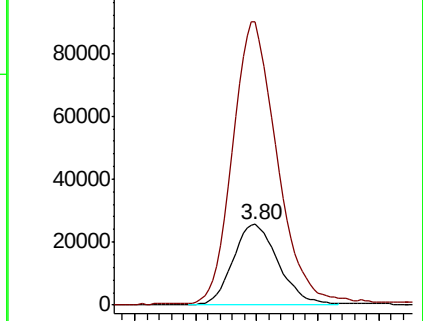
MMDadoda

9/13/2019 11:04:54 AM



Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-614) (-)



#16

Carbon Disulfide

Concen: 20.438 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057792.D

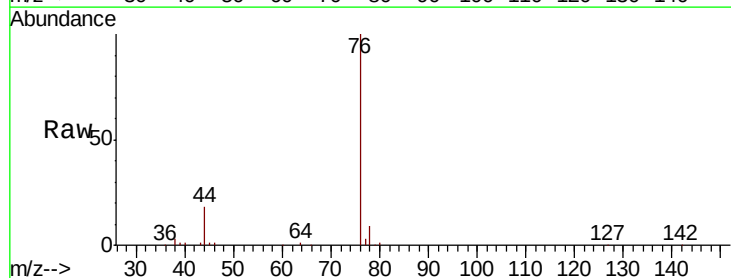
Acq: 9 Sep 2019 11:02

Tgt Ion: 76 Resp: 194441

Ion Ratio Lower Upper

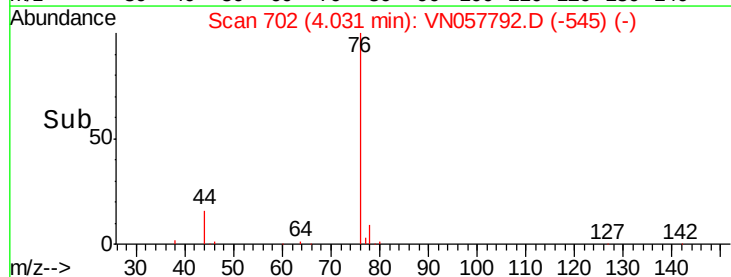
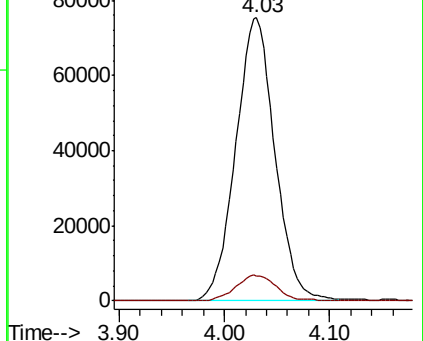
76 100

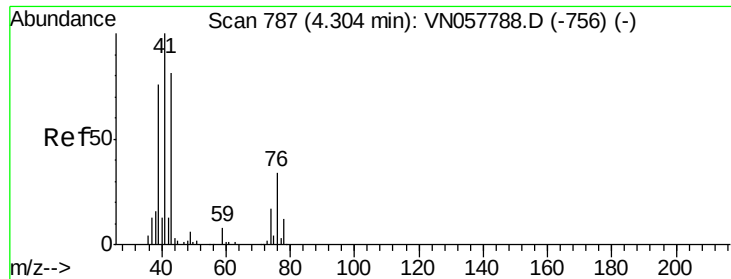
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-683) (-)





#17

Allyl chloride

Concen: 20.343 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

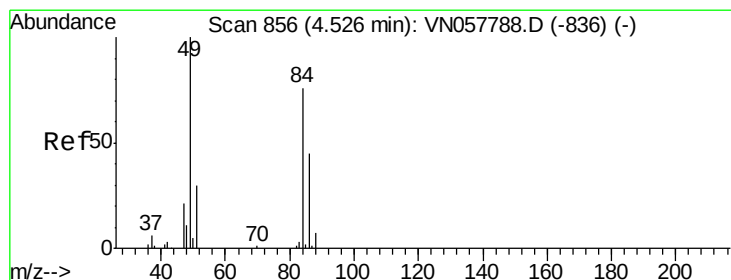
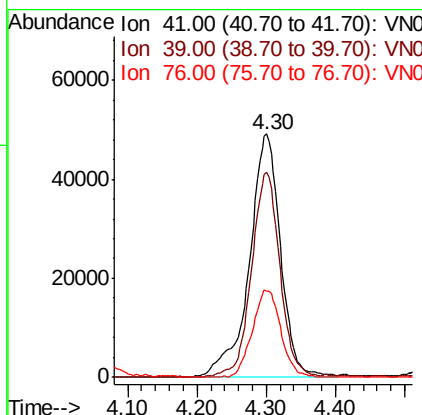
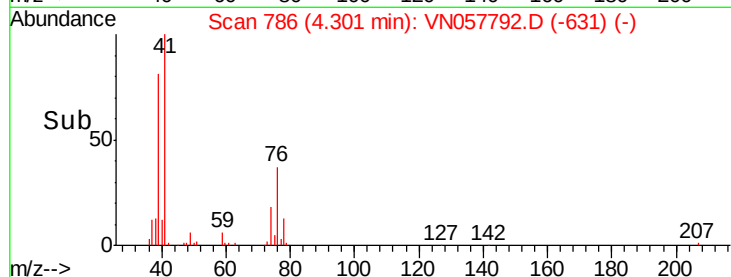
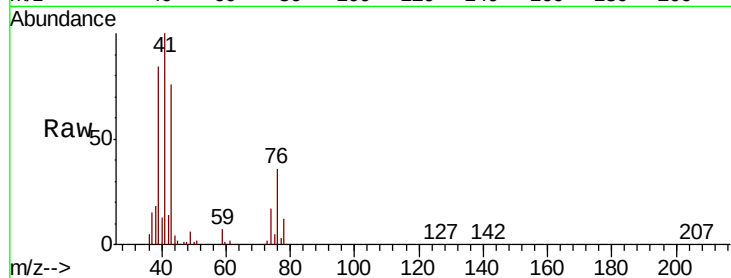
ClientSampled :

ICVVN090919

Tgt Ion:	41	Resp:	152296
Ion	Ratio	Lower	Upper
41	100		
39	84.1	38.5	115.3
76	35.7	17.2	51.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM



#18

Methylene Chloride

Concen: 20.230 ug/l

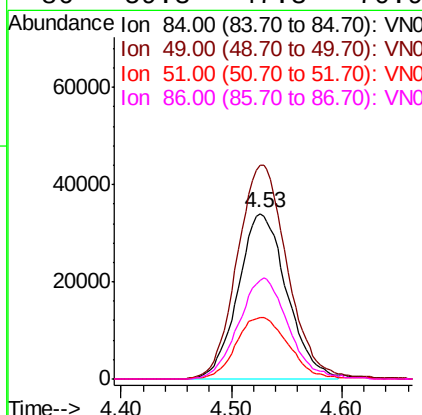
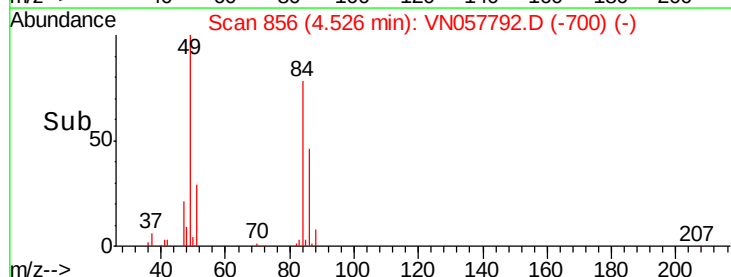
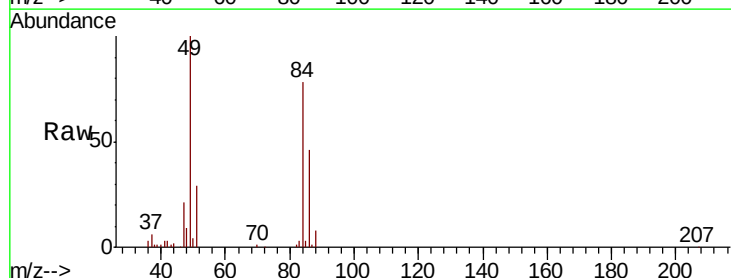
RT: 4.53 min Scan# 856

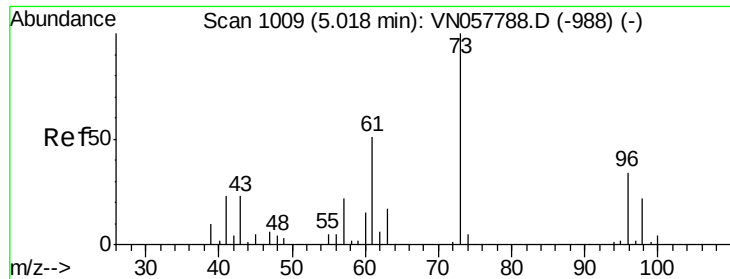
Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Tgt Ion:	84	Resp:	104151
Ion	Ratio	Lower	Upper
84	100		
49	128.4	105.4	158.2
51	36.8	31.3	46.9
86	59.3	47.3	70.9





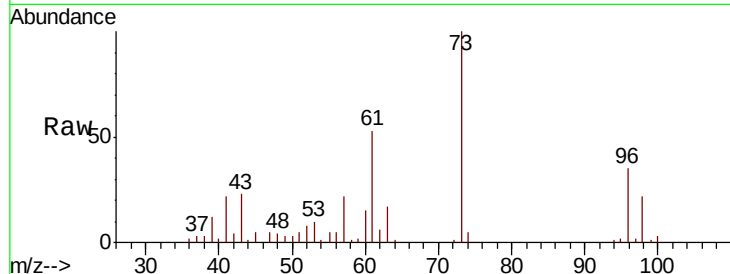
#19
trans-1,2-Dichloroethene
Concen: 19.826 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	121.0	181.6
98	63.4	52.7	79.1

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM

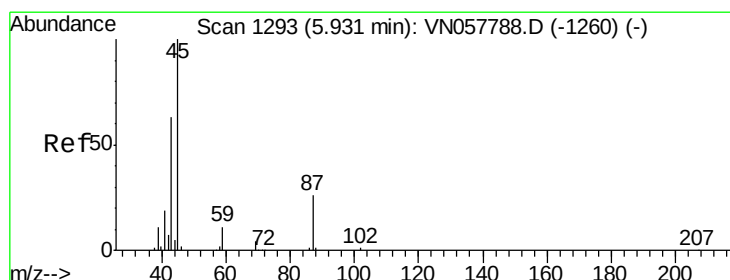
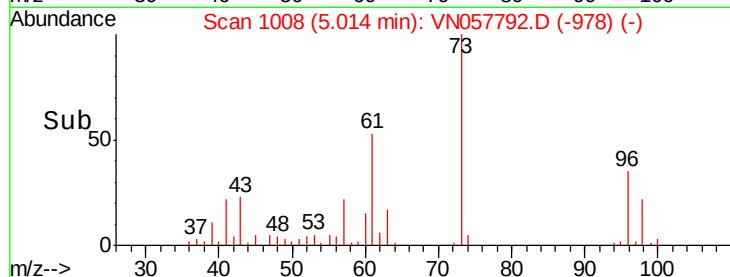
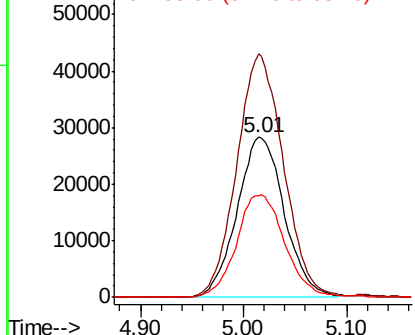


Abundance

Ion 96.00 (95.70 to 96.70): VN057788.D (-988) (-)

Ion 61.00 (60.70 to 61.70): VN057788.D (-988) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-988) (-)



#20
Diisopropyl ether
Concen: 19.528 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.6	55.2	82.8
87	27.8	21.3	31.9
59	10.0	9.1	13.7

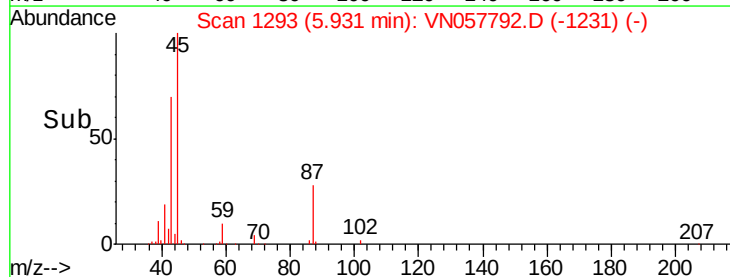
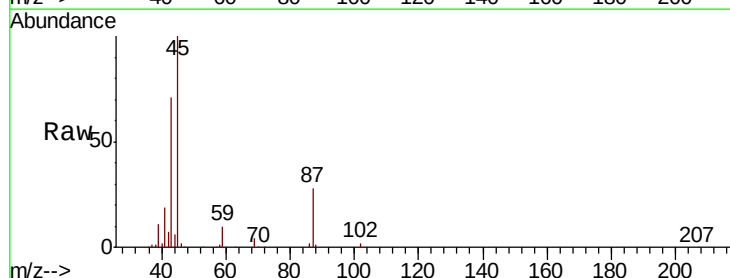
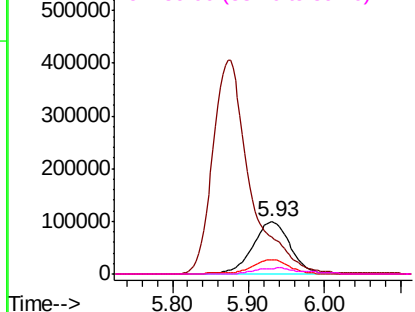
Abundance

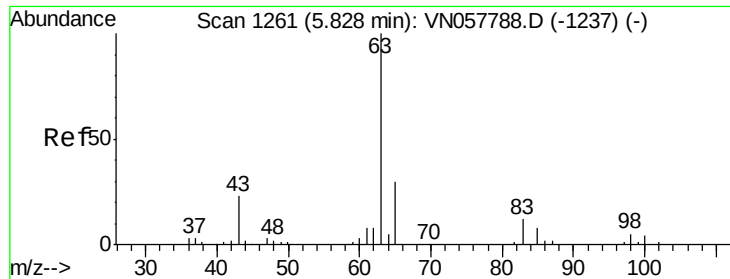
Ion 45.00 (44.70 to 45.70): VN057788.D (-1260) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-1260) (-)

Ion 87.00 (86.70 to 87.70): VN057788.D (-1260) (-)

Ion 59.00 (58.70 to 59.70): VN057788.D (-1260) (-)





#21

1,1-Dichloroethane

Concen: 19.677 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

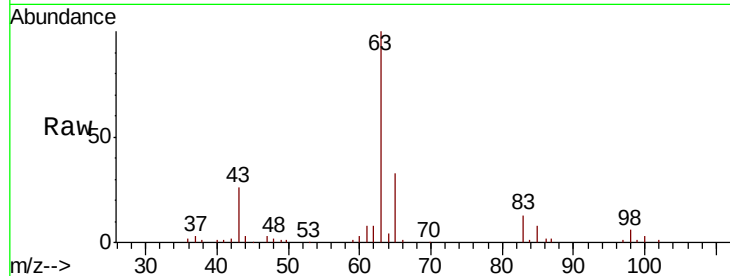
ClientSampleId :

ICVVN090919

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	189892		
98	6.2	2.8	8.3	
100	3.3	1.8	5.5	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM

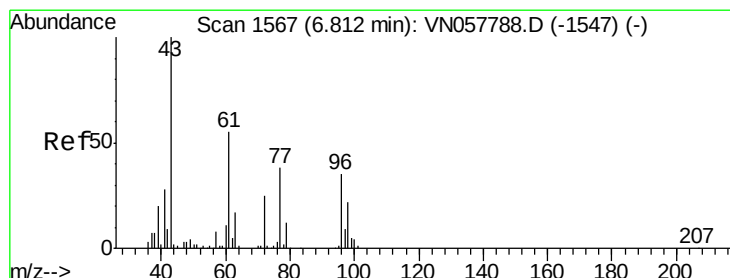
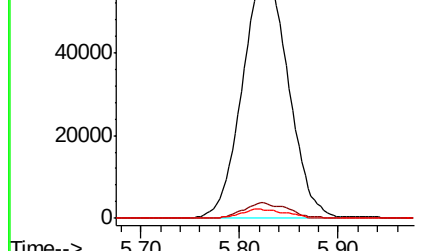
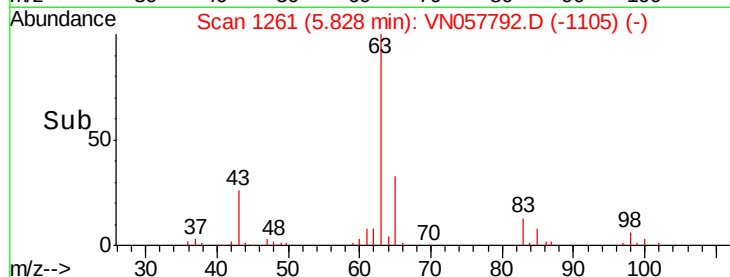


Abundance Ion 63.00 (62.70 to 63.70): VN057788.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1237) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-1237) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.399 ug/l

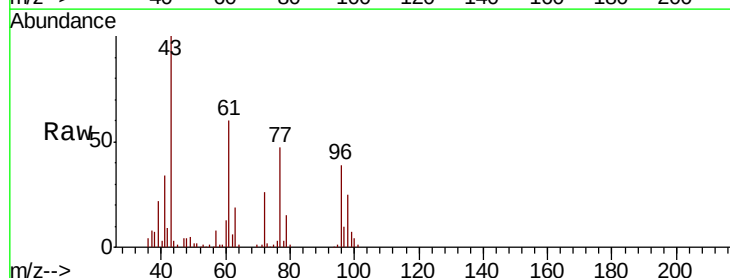
RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	113808		
61	151.7	127.4	191.0	
98	62.7	51.5	77.3	

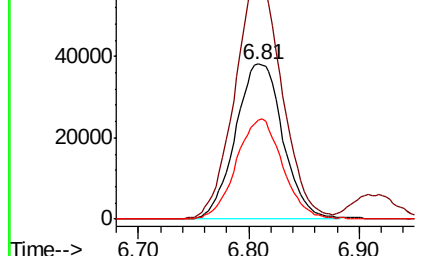
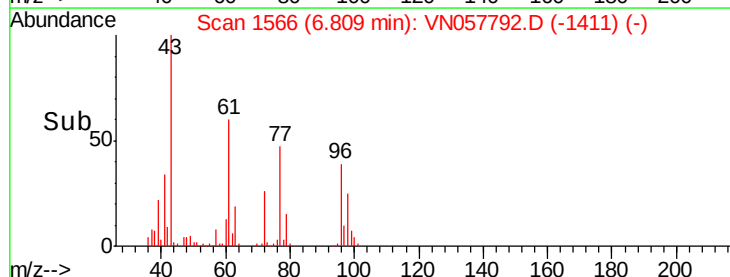


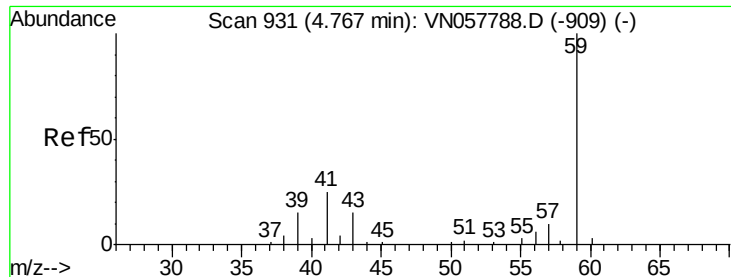
Abundance Ion 96.00 (95.70 to 96.70): VN057788.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057788.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1547) (-)

Time-->





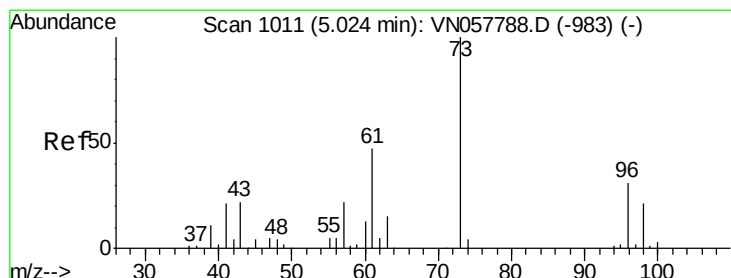
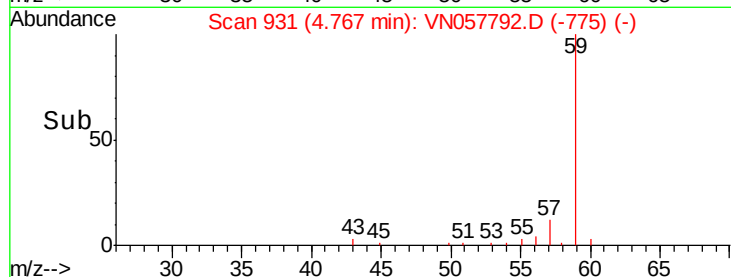
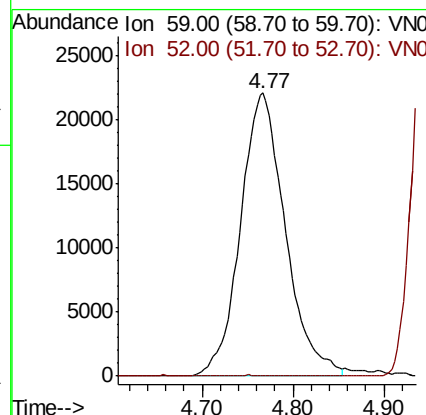
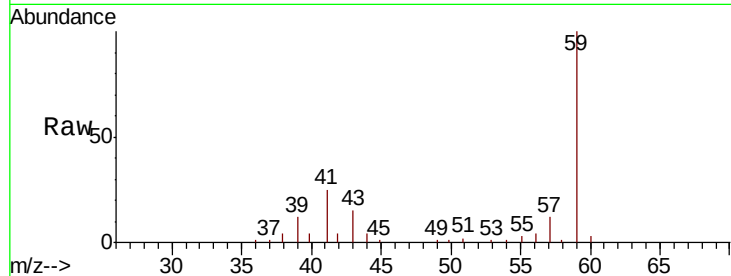
#23
 tert-Butyl Alcohol
 Concen: 101.092 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tgt Ion: 59 Resp: 75431
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

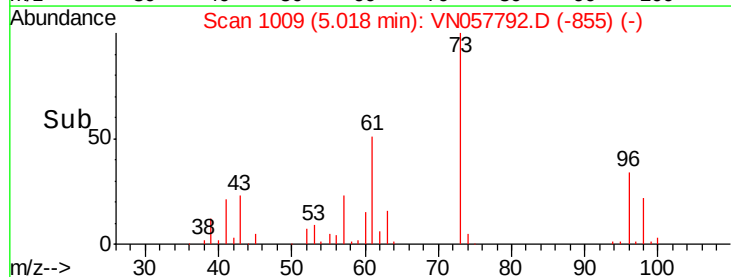
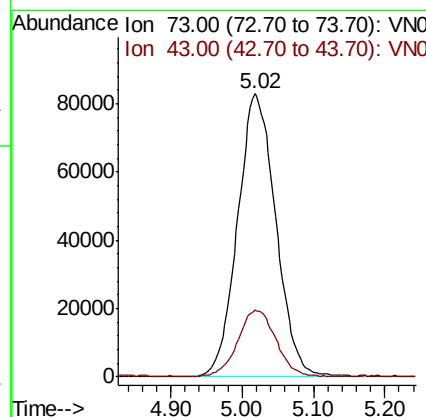
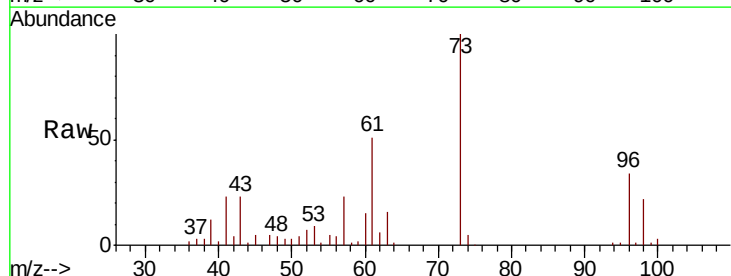
Manual Integrations
 APPROVED

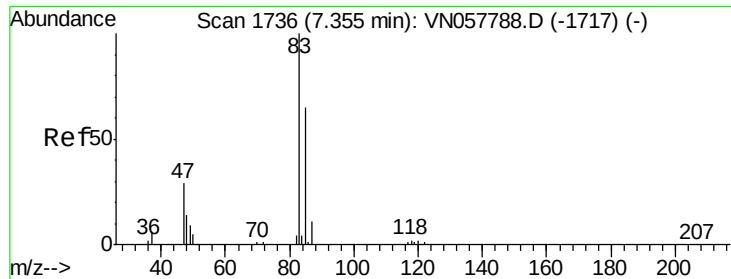
MMDadoda
 9/13/2019 11:04:54 AM



#24
 Methyl tert-Butyl Ether
 Concen: 19.740 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion: 73 Resp: 309115
 Ion Ratio Lower Upper
 73 100
 43 23.0 0.0 0.0#





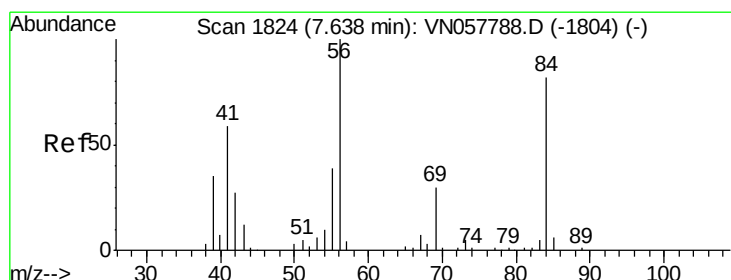
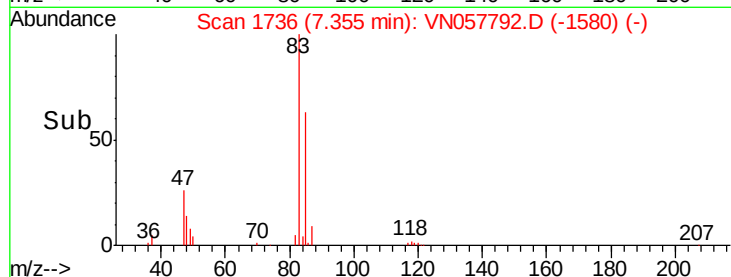
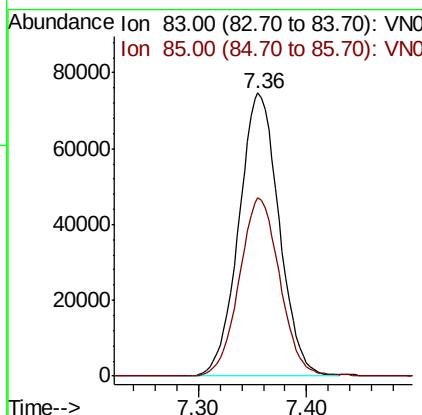
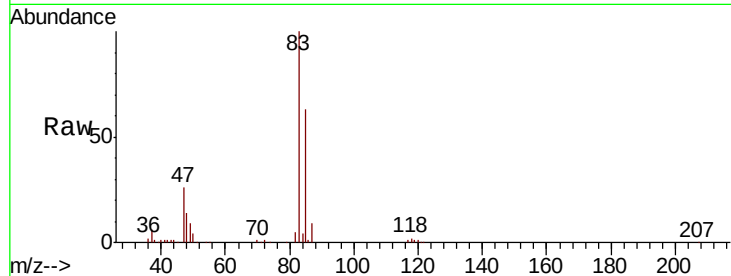
#25
Chloroform
Concen: 19.697 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion: 83 Resp: 193521
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6

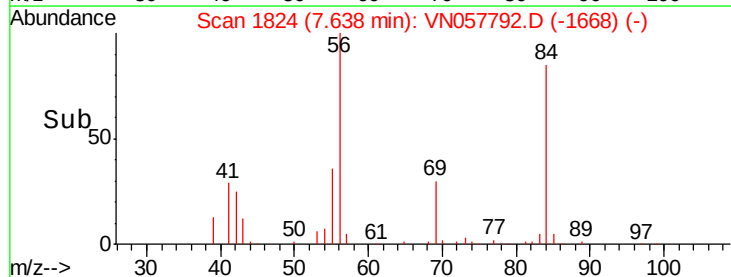
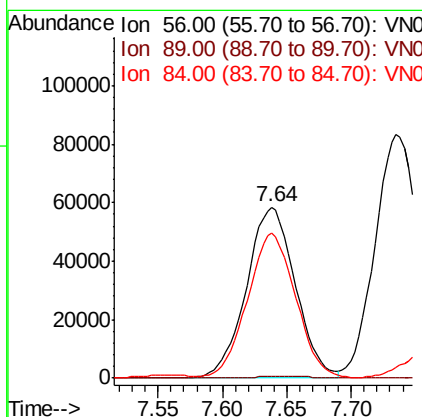
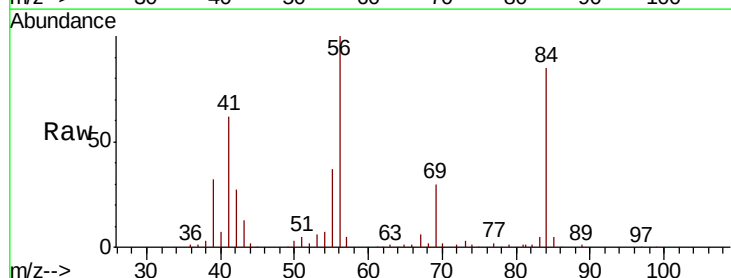
Manual Integrations
APPROVED

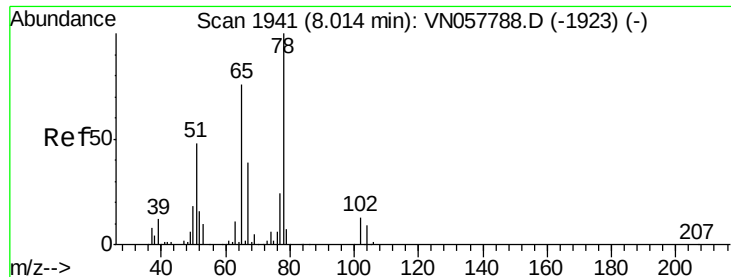
MMDadoda
9/13/2019 11:04:54 AM



#26
Cyclohexane
Concen: 19.031 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 56 Resp: 154312
Ion Ratio Lower Upper
56 100
89 0.2 0.3 0.5#
84 83.8 66.6 100.0





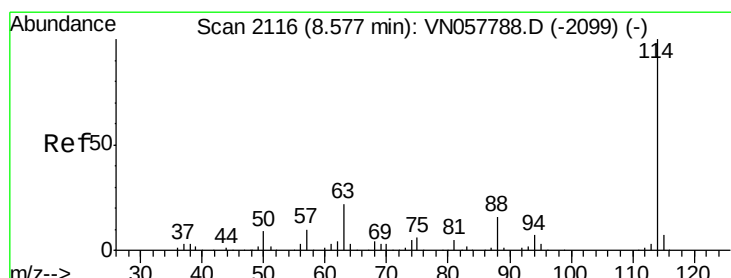
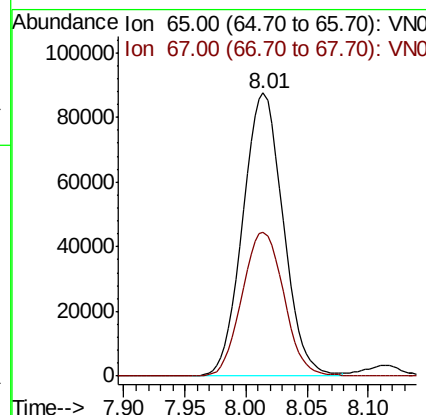
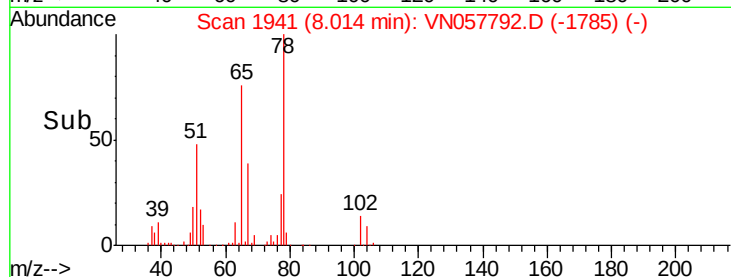
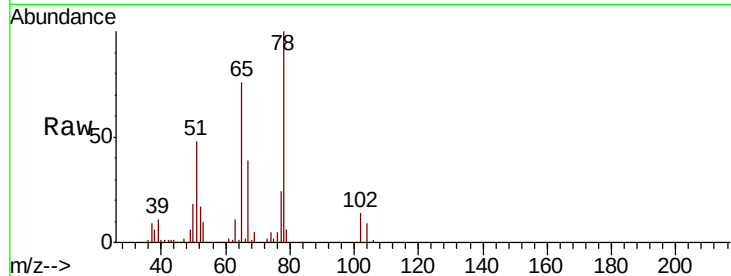
#27
 1,2-Dichloroethane-d4
 Concen: 29.344 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	40.9	61.3

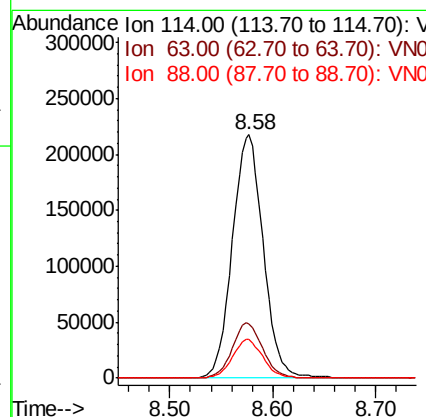
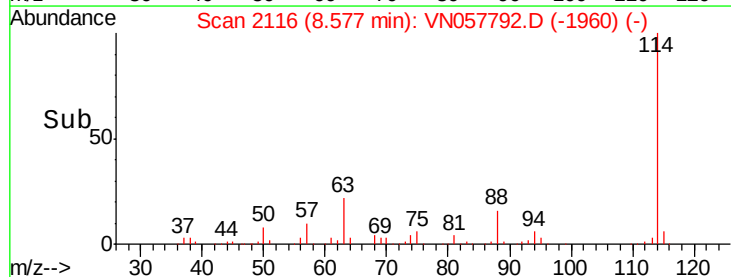
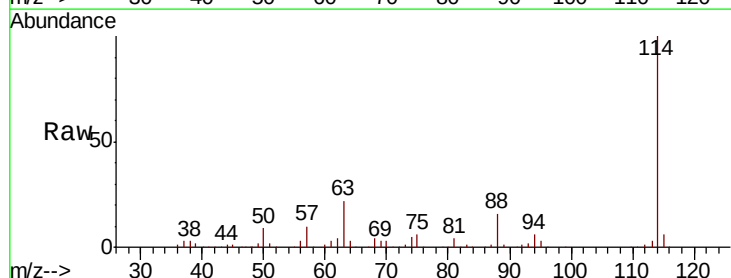
Manual Integrations
 APPROVED

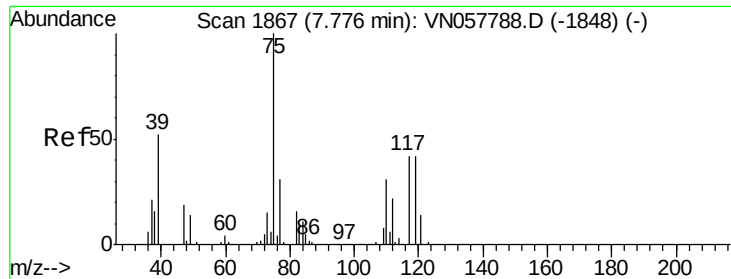
MMDadoda
 9/13/2019 11:04:54 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	18.0	27.0
88	15.7	12.6	19.0





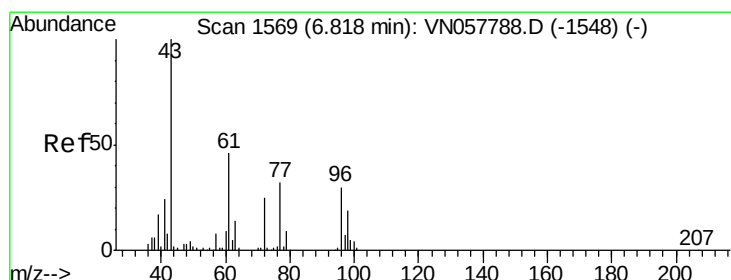
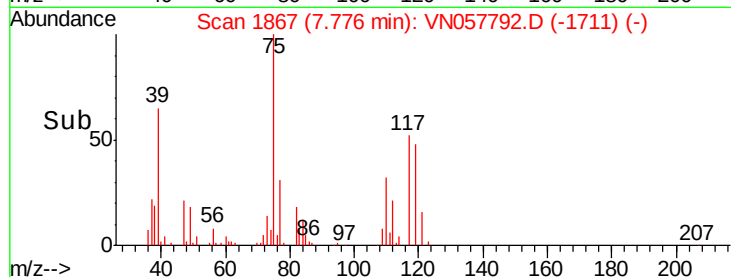
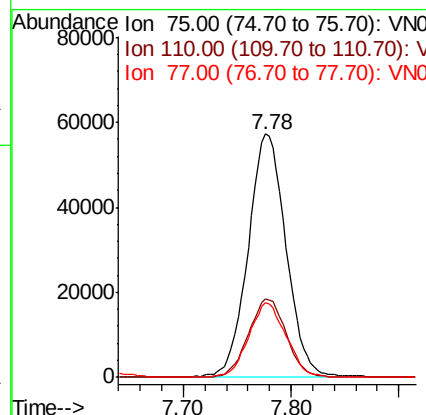
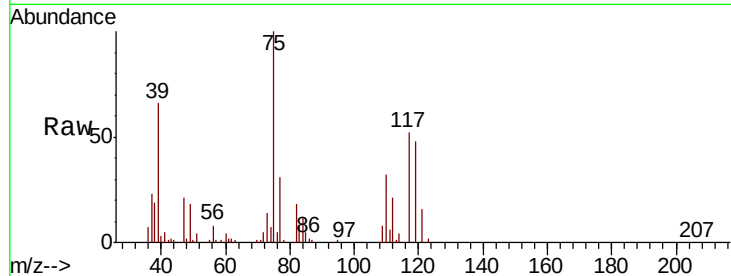
#29
 1,1-Dichloropropene
 Concen: 19.540 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090919

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	32.2	0.0	63.8
77	30.1	0.0	60.0

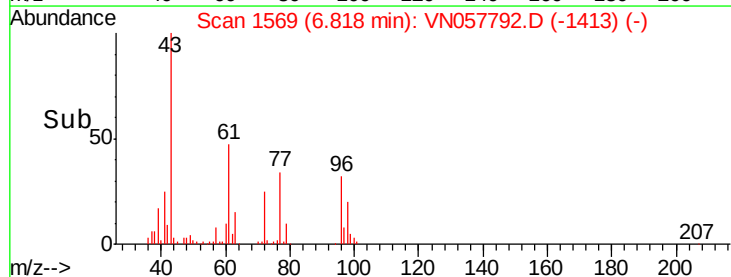
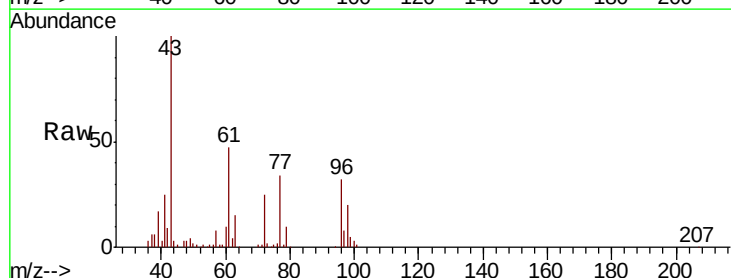
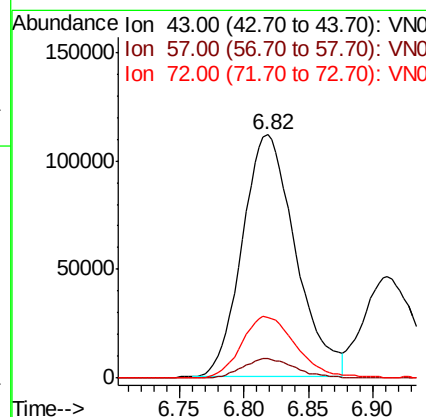
Manual Integrations
 APPROVED

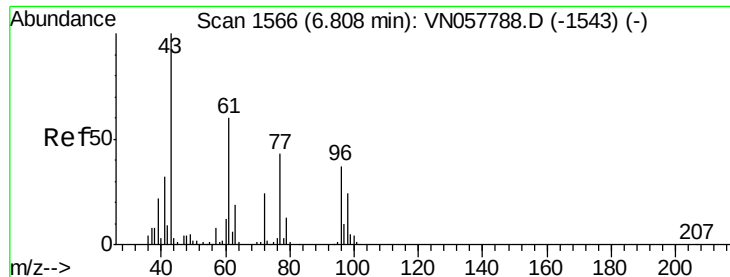
MMDadoda
 9/13/2019 11:04:54 AM



#30
 2-Butanone
 Concen: 99.446 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.0	6.4	9.6
72	26.0	20.3	30.5





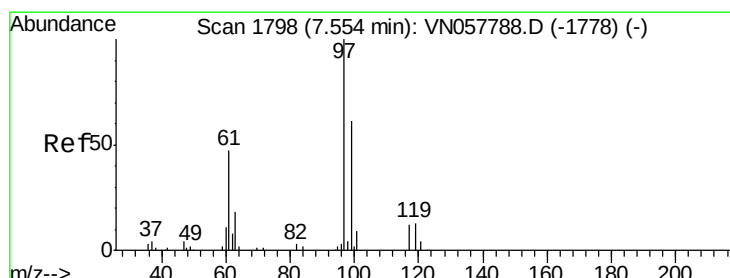
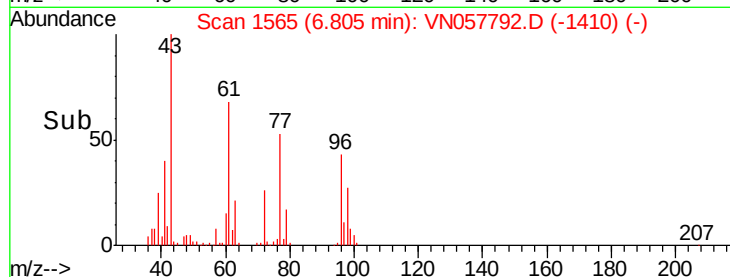
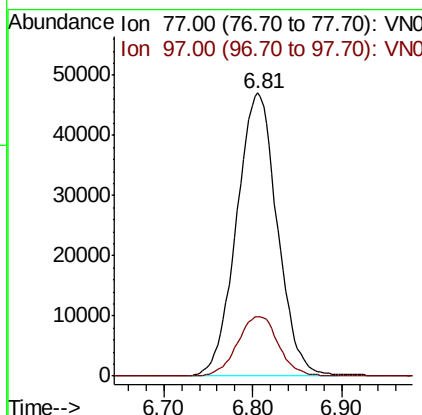
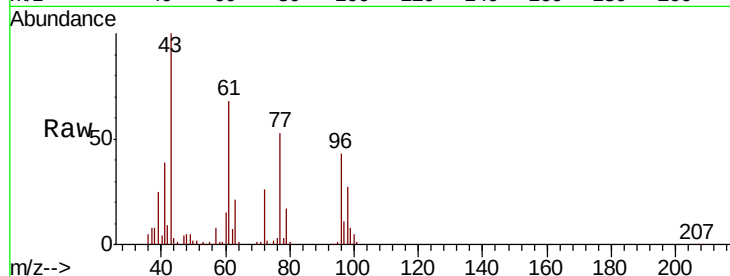
#31
 2,2-Dichloropropane
 Concen: 19.802 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090919

Tgt Ion: 77 Resp: 149638
 Ion Ratio Lower Upper
 77 100
 97 21.2 17.7 26.5

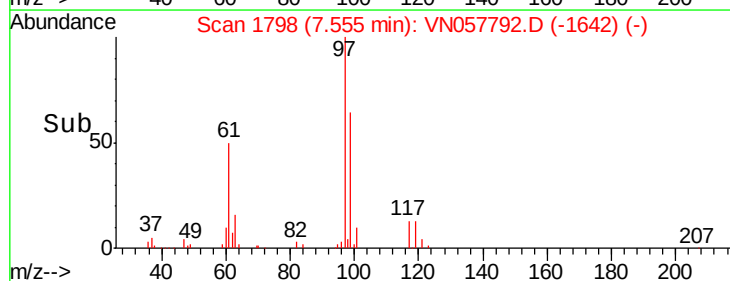
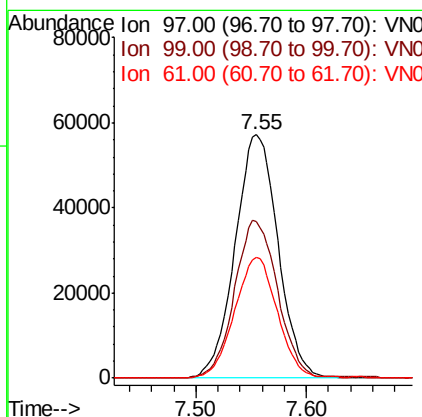
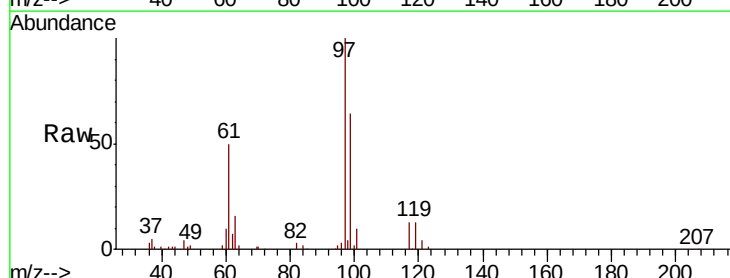
Manual Integrations
 APPROVED

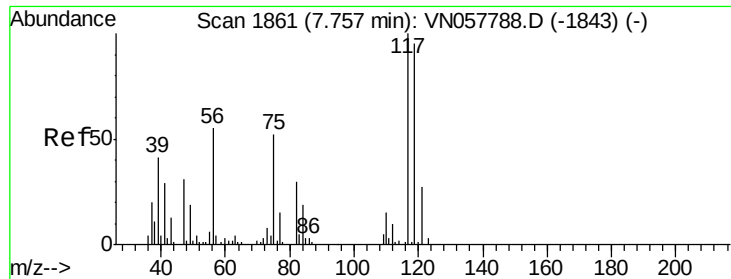
MMDadoda
 9/13/2019 11:04:54 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.200 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion: 97 Resp: 154514
 Ion Ratio Lower Upper
 97 100
 99 64.8 49.8 74.8
 61 49.5 38.7 58.1





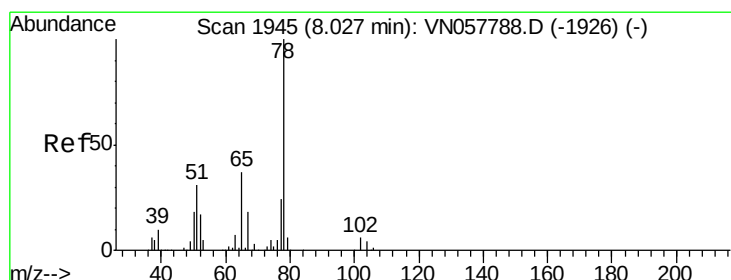
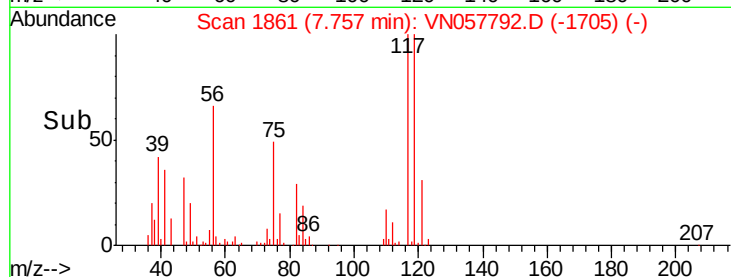
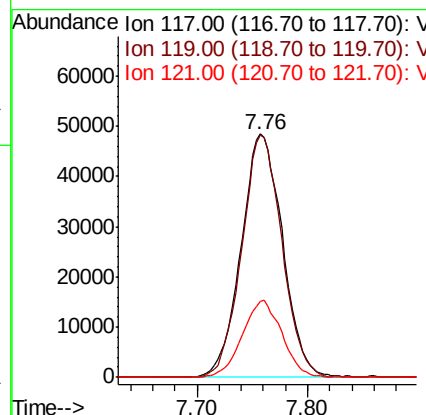
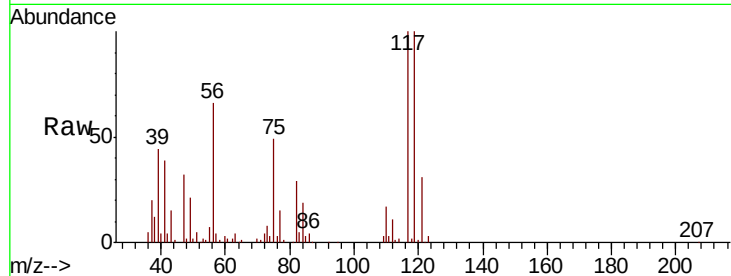
#33
Carbon Tetrachloride
Concen: 19.167 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.7	113.5
121	31.3	21.7	32.5

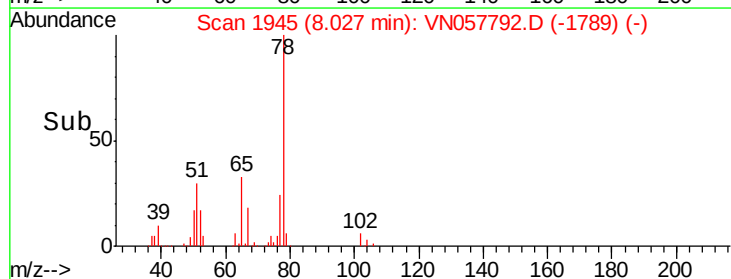
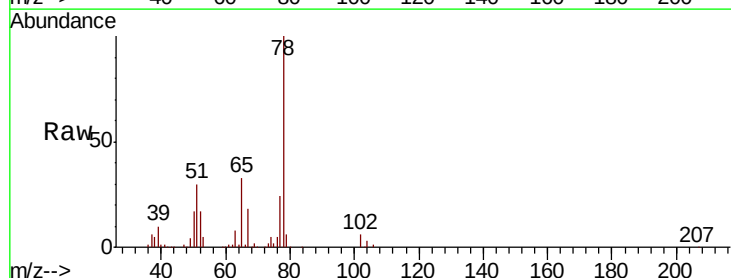
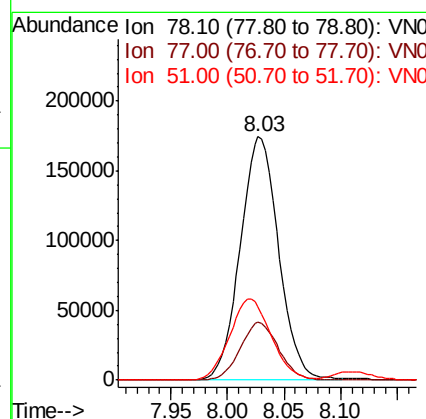
Manual Integrations
APPROVED

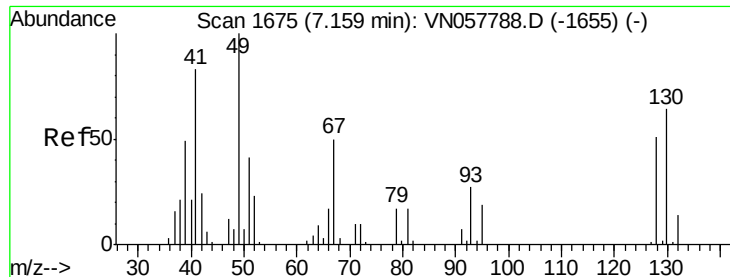
MMDadoda
9/13/2019 11:04:54 AM



#34
Benzene
Concen: 19.476 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8
51	29.8	24.9	37.3





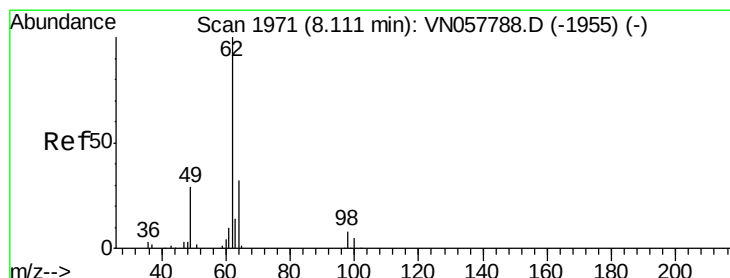
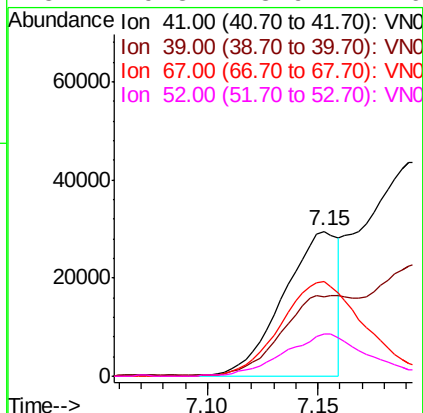
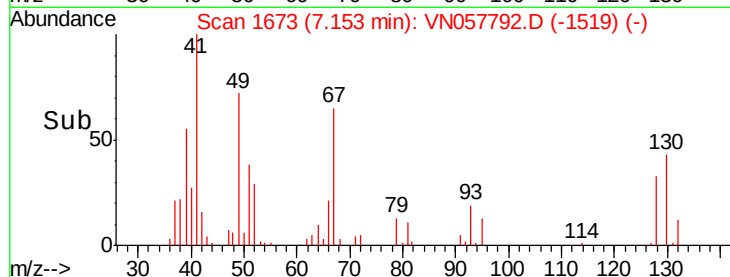
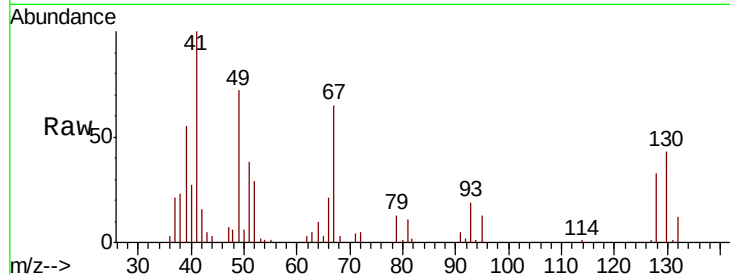
#35
Methacrylonitrile
Concen: 17.099 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.3	29.8	89.5
67	65.2	30.0	90.1
52	29.3	13.9	41.6

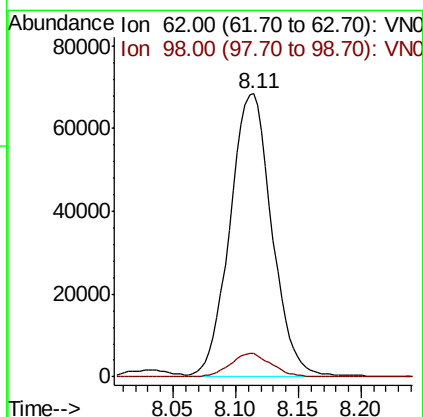
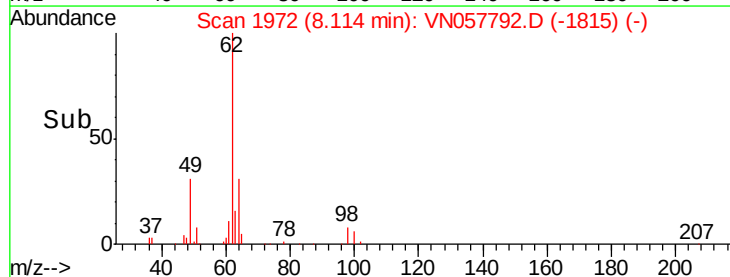
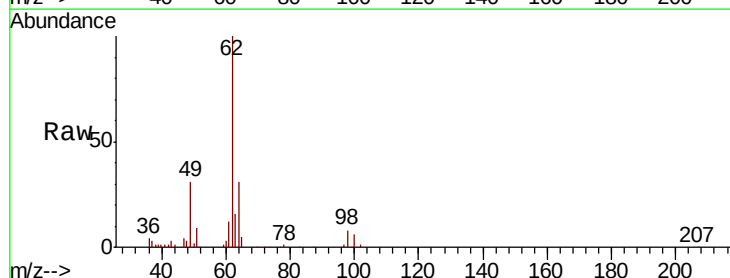
Manual Integrations
APPROVED

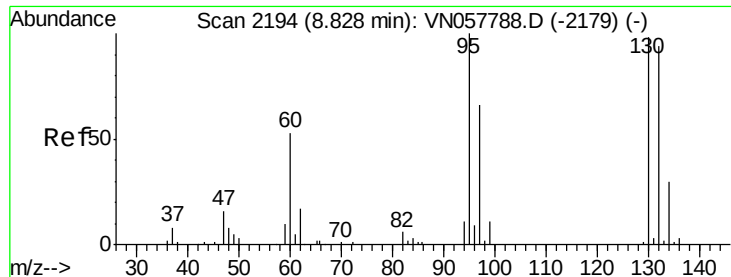
MMDadoda
9/13/2019 11:04:54 AM



#36
1,2-Dichloroethane
Concen: 19.343 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.6	9.8





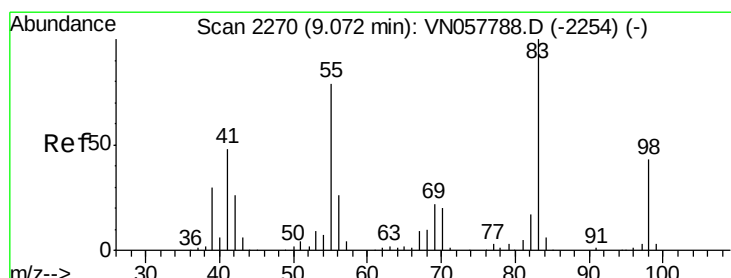
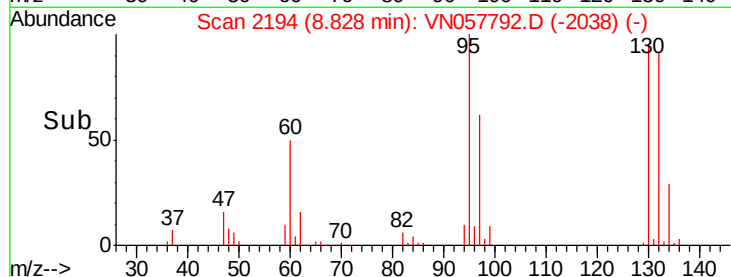
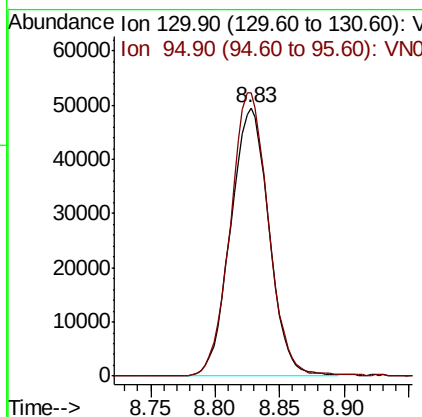
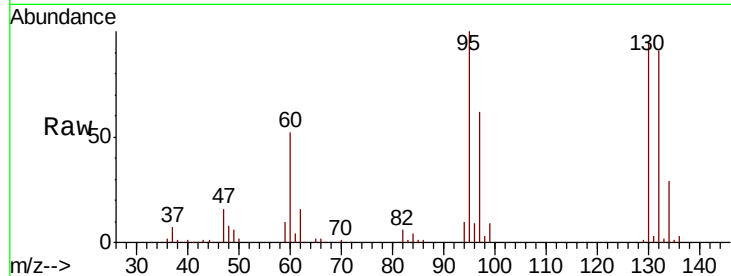
#37
 Trichloroethene
 Concen: 19.871 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tgt Ion: 130 Resp: 102359
 Ion Ratio Lower Upper
 130 100
 95 105.5 81.9 122.9

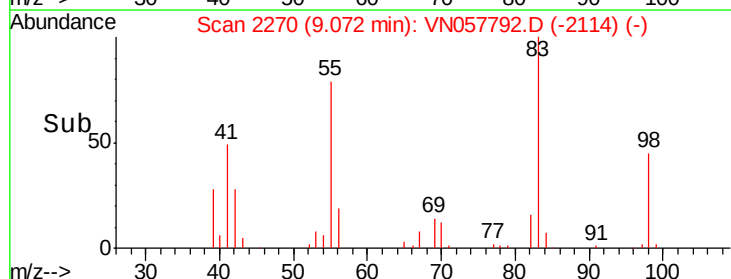
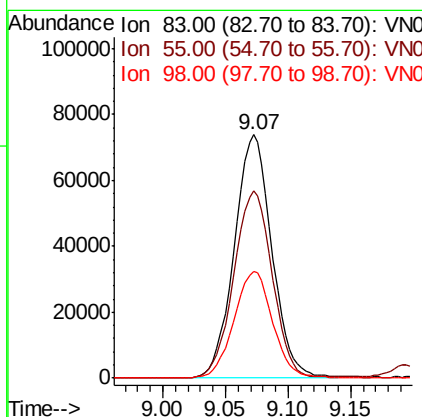
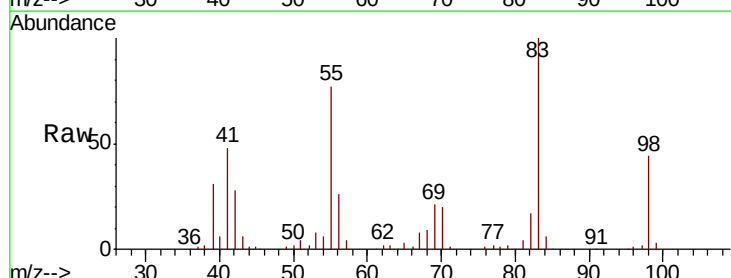
Manual Integrations
 APPROVED

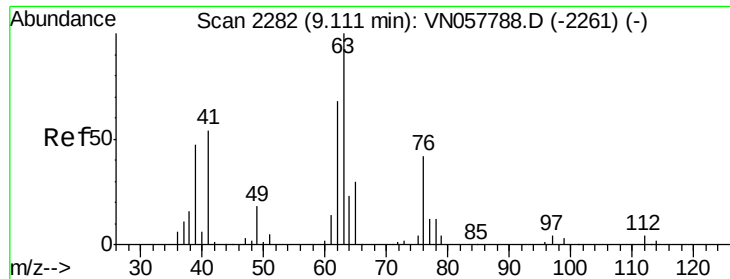
MMDadoda
 9/13/2019 11:04:54 AM



#38
 Methylcyclohexane
 Concen: 18.909 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion: 83 Resp: 154117
 Ion Ratio Lower Upper
 83 100
 55 78.6 39.6 118.7
 98 45.1 21.8 65.4





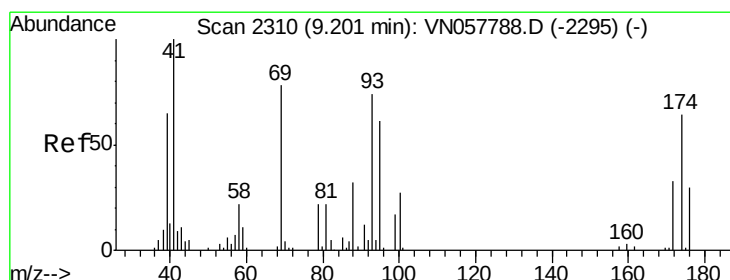
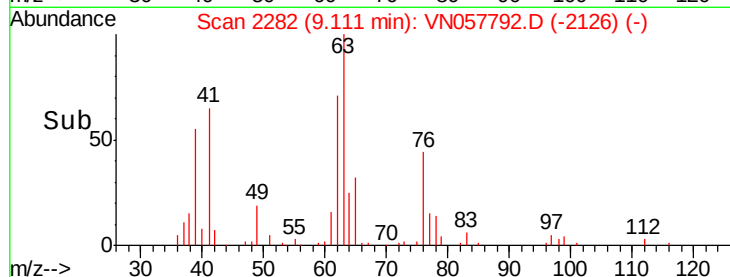
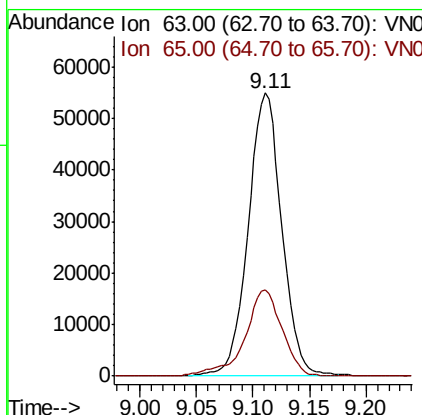
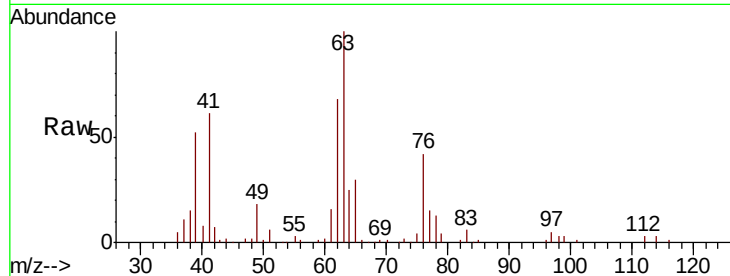
#39
 1,2-Dichloropropane
 Concen: 19.063 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tgt Ion: 63 Resp: 113543
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.6 35.4

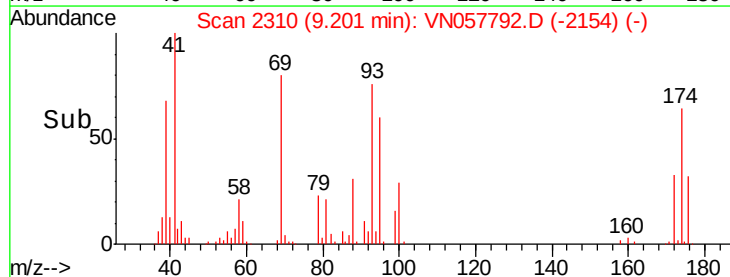
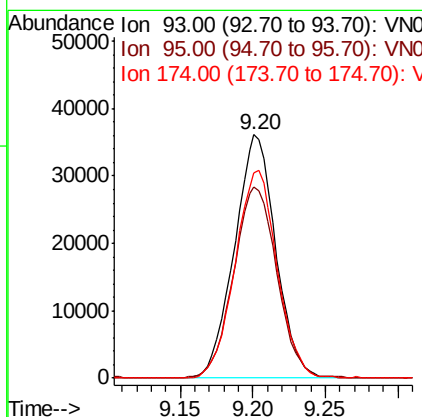
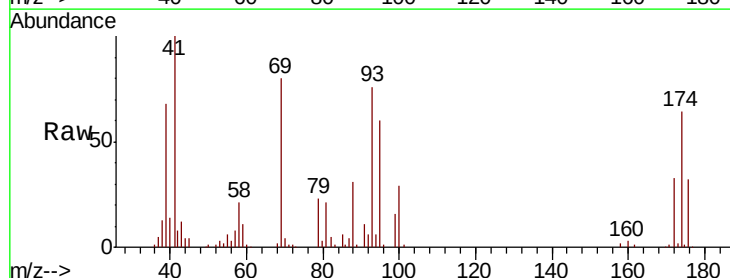
Manual Integrations
 APPROVED

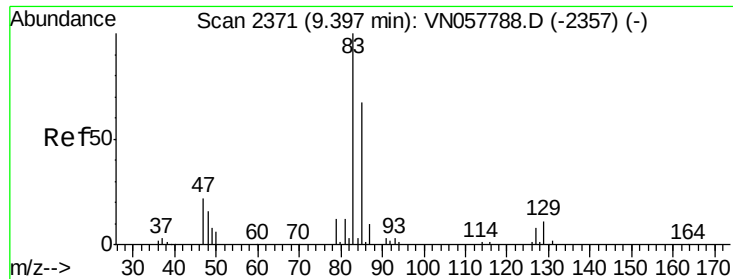
MMDadoda
 9/13/2019 11:04:54 AM



#40
 Dibromomethane
 Concen: 19.749 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion: 93 Resp: 71541
 Ion Ratio Lower Upper
 93 100
 95 82.5 0.0 163.0
 174 86.9 0.0 171.4





#41

Bromodichloromethane

Concen: 18.877 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

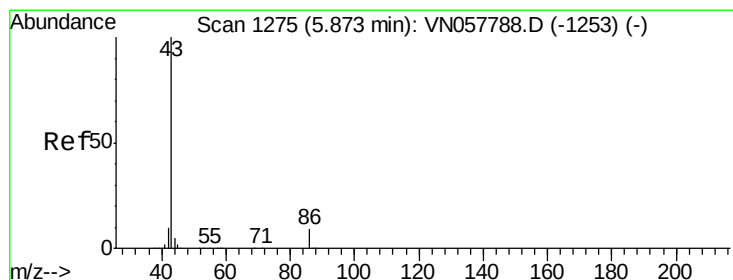
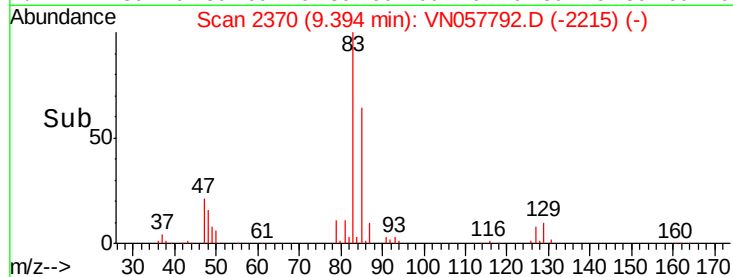
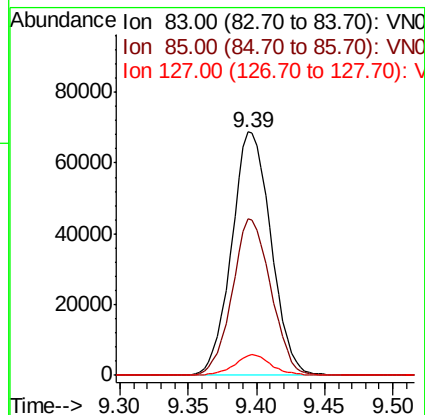
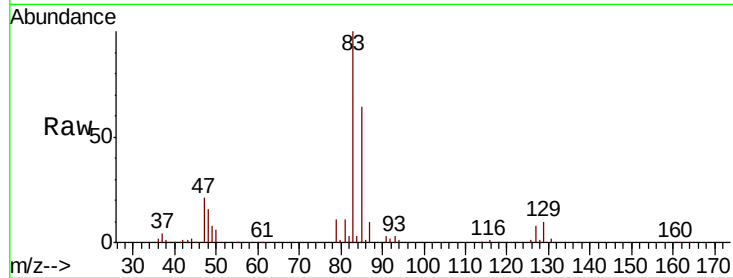
ClientSampleId :

ICVVN090919

Tgt Ion:	83	Resp:	137867
Ion Ratio	Lower	Upper	
83	100		
85	64.1	53.4	80.0
127	7.9	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM



#42

Vinyl Acetate

Concen: 106.364 ug/l

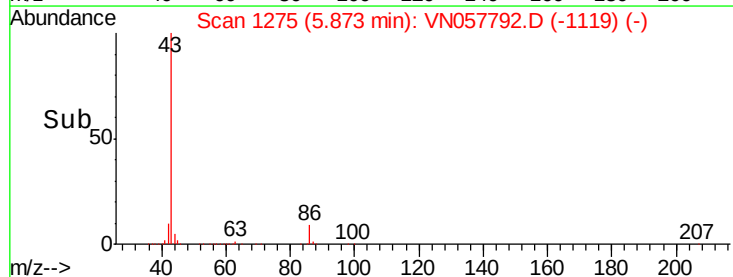
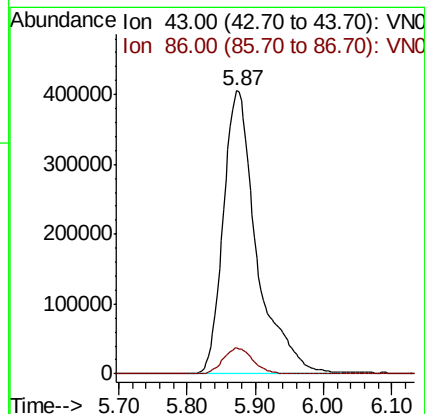
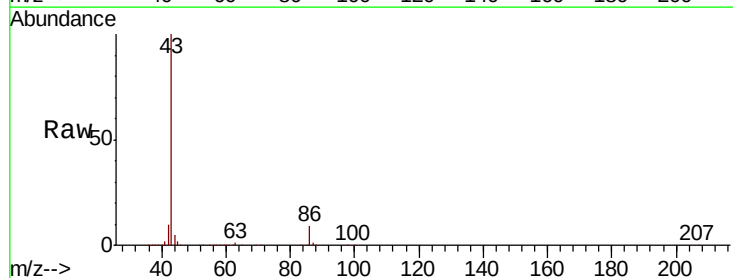
RT: 5.87 min Scan# 1275

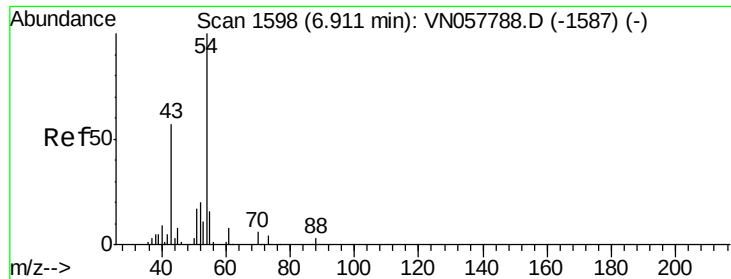
Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Tgt Ion:	43	Resp:	1379653
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.3	9.5





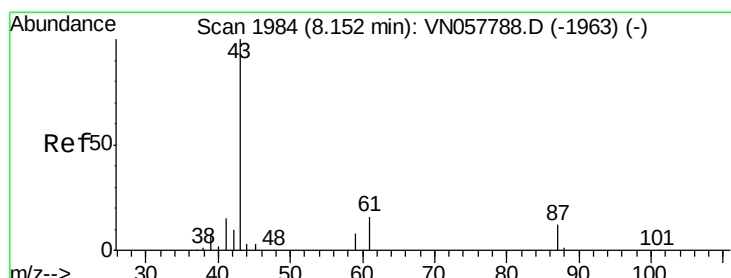
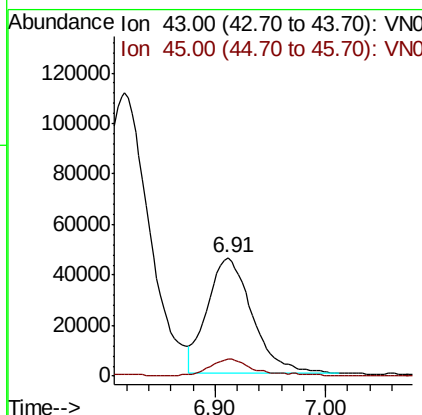
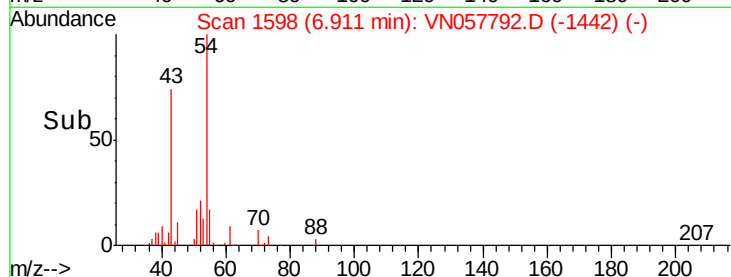
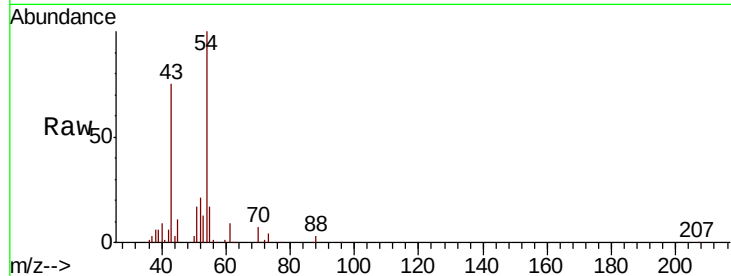
#43
Ethyl Acetate
Concen: 19.562 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion: 43 Resp: 128805
Ion Ratio Lower Upper
43 100
45 12.3 5.4 8.0#

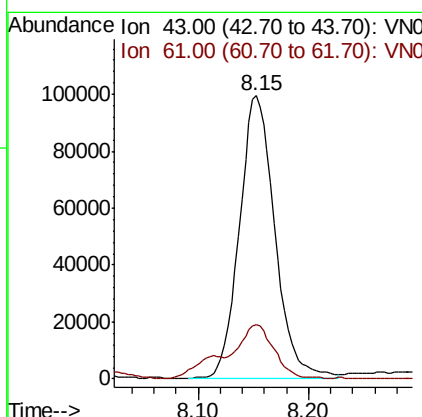
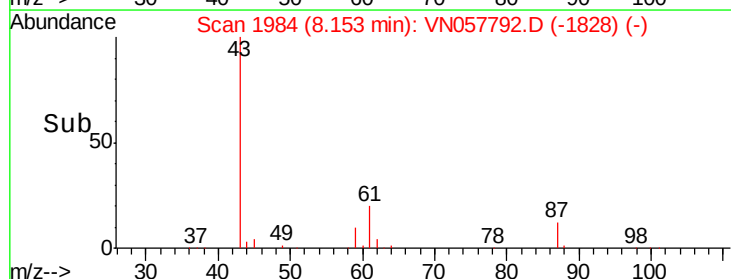
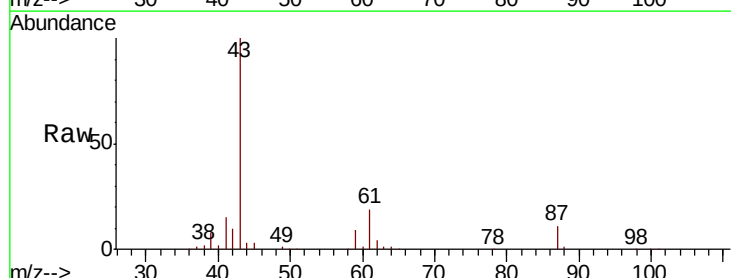
Manual Integrations
APPROVED

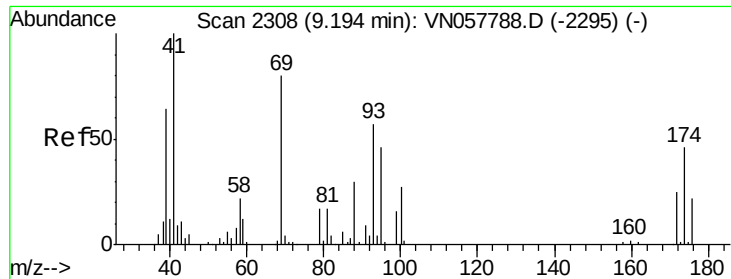
MMDadoda
9/13/2019 11:04:54 AM



#44
Isopropyl Acetate
Concen: 19.187 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 43 Resp: 220280
Ion Ratio Lower Upper
43 100
61 18.0 0.1 0.1#





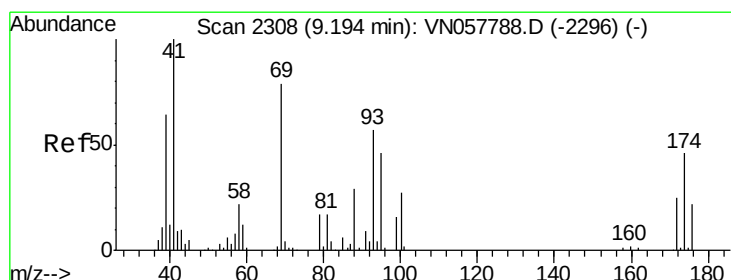
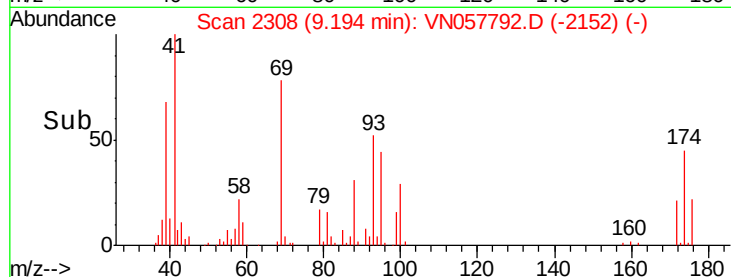
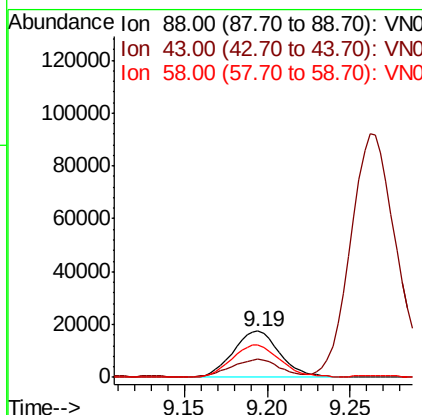
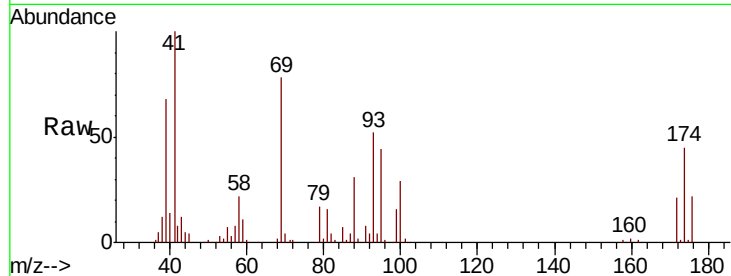
#45
 1,4-Dioxane
 Concen: 384.446 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	34682		
43	37.2	28.2	42.4	
58	71.9	58.5	87.7	

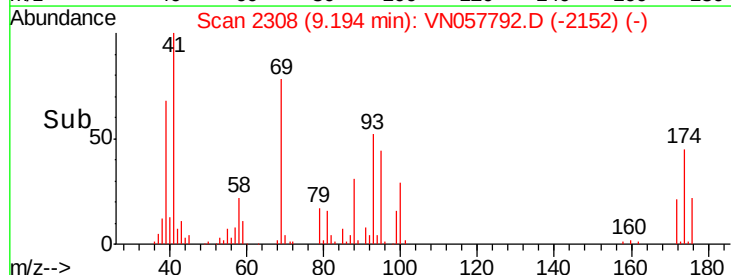
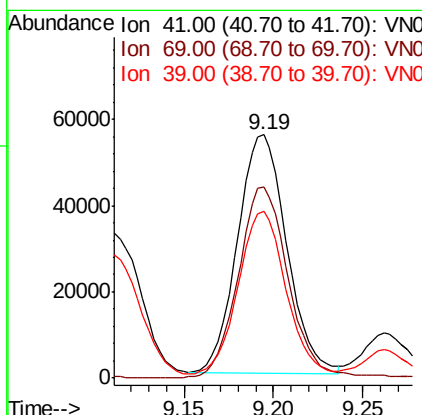
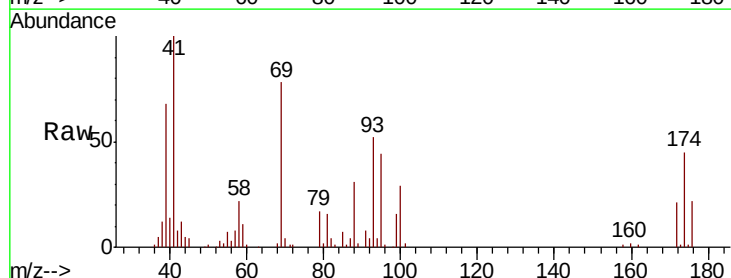
Manual Integrations
 APPROVED

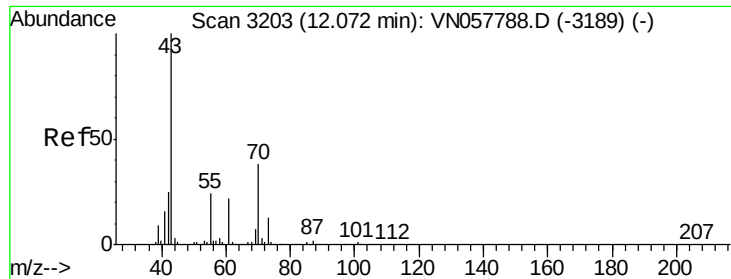
MMDadoda
 9/13/2019 11:04:54 AM



#46
 Methyl methacrylate
 Concen: 18.968 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	106372		
69	79.7	39.6	119.0	
39	68.3	31.9	95.7	





#47

n-amyl Acetate

Concen: 18.333 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

ICVVN090919

Tgt Ion: 43 Resp: 193339

Ion Ratio Lower Upper

43 100

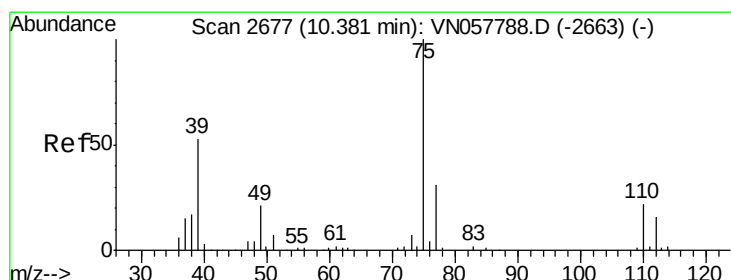
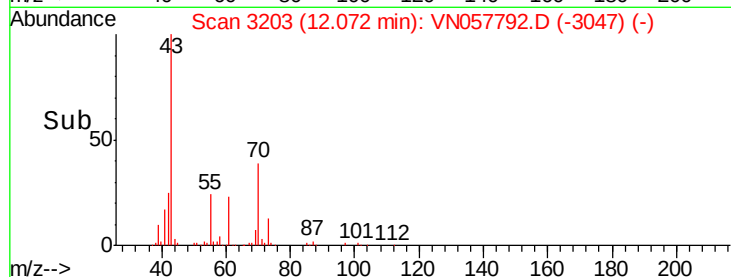
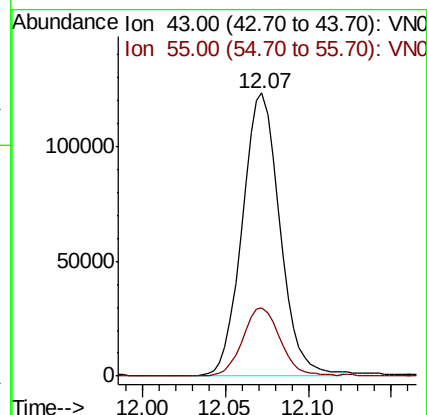
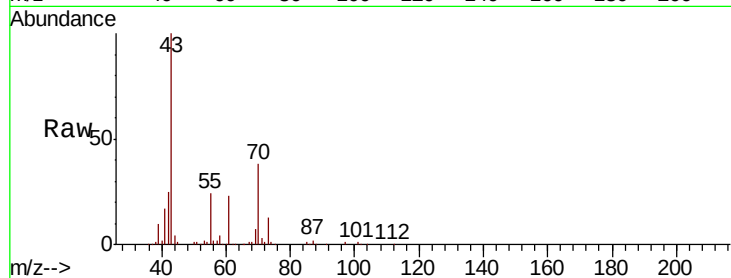
55 24.5 18.3 27.5

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:04:54 AM



#48

t-1,3-Dichloropropene

Concen: 18.566 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057792.D

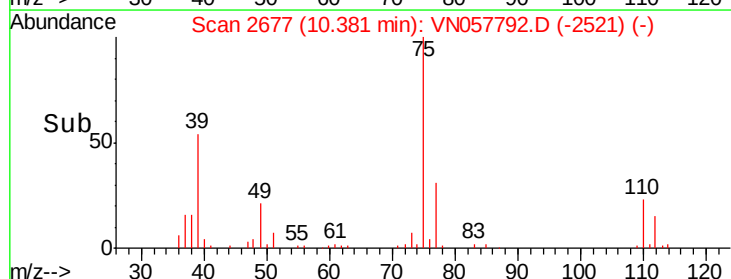
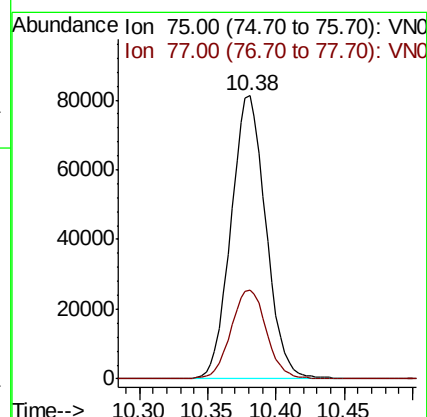
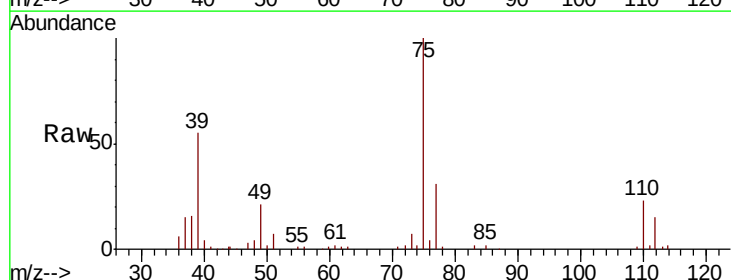
Acq: 9 Sep 2019 11:02

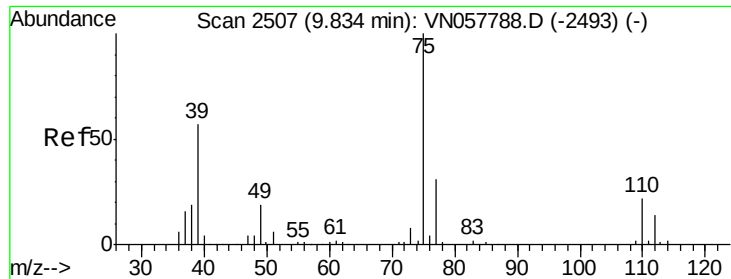
Tgt Ion: 75 Resp: 144351

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3





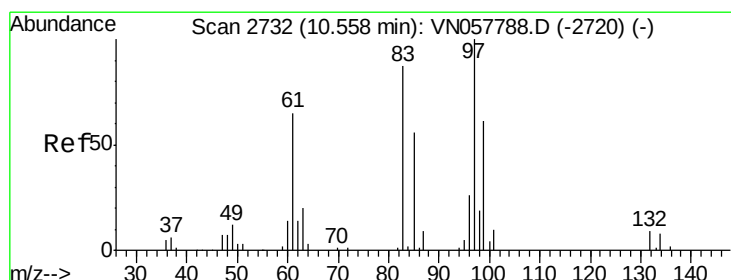
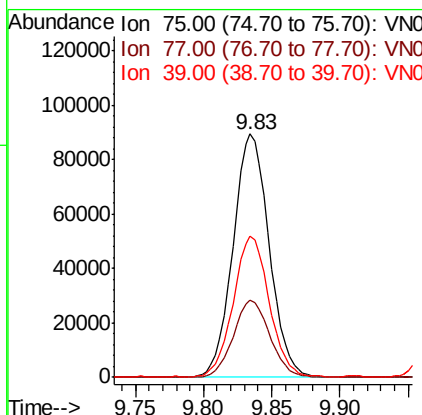
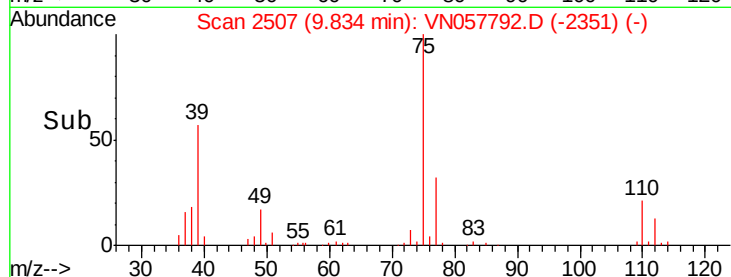
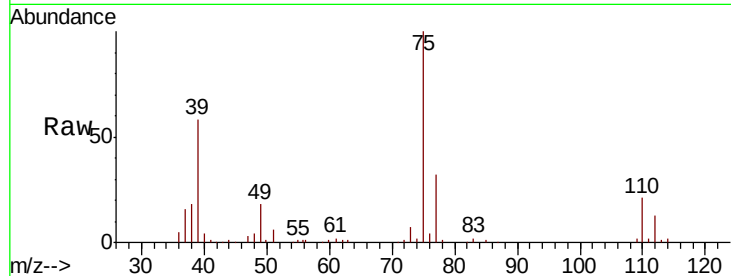
#49
 cis-1,3-Dichloropropene
 Concen: 18.839 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	164342		
77	31.8	24.6	36.8	
39	57.6	45.8	68.8	

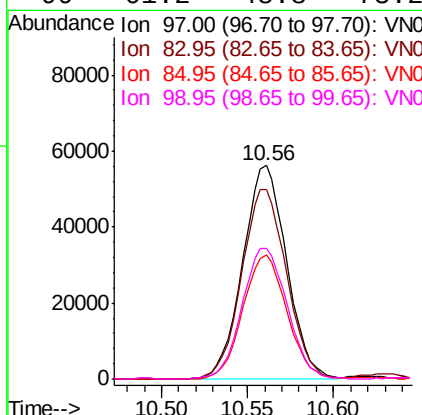
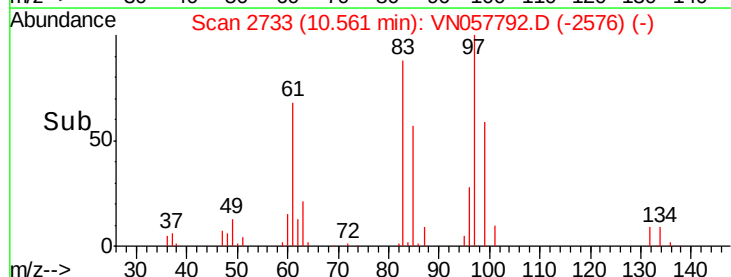
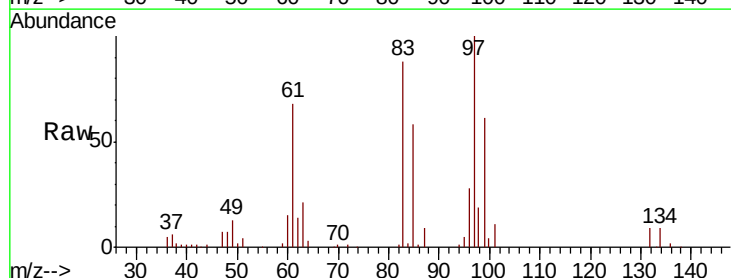
Manual Integrations
 APPROVED

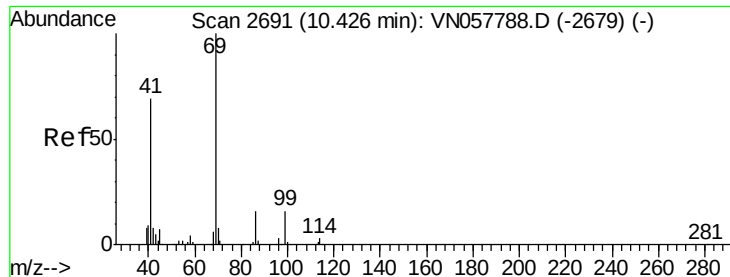
MMDadoda
 9/13/2019 11:04:54 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.973 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	99696		
83	88.4	69.4	104.2	
85	58.3	45.0	67.6	
99	61.2	48.8	73.2	





#51

Ethyl methacrylate

Concen: 18.988 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

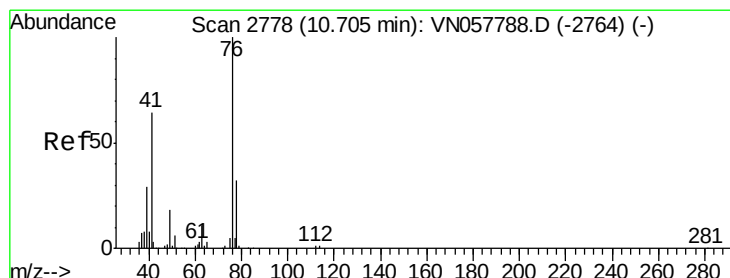
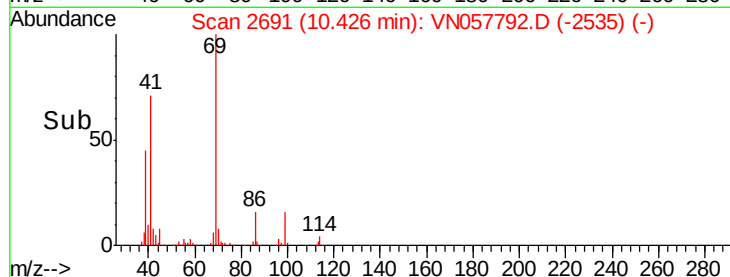
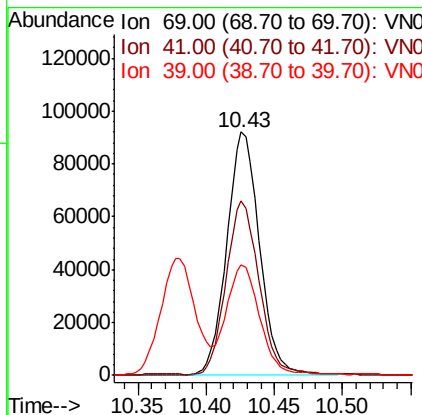
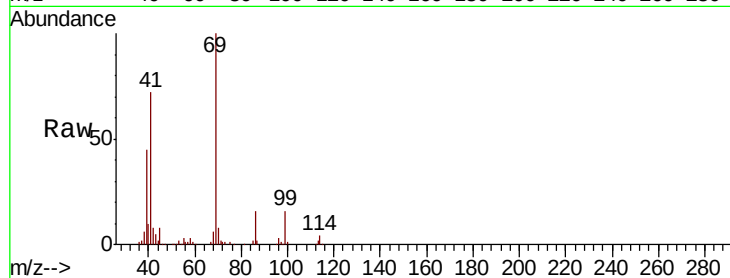
ClientSampleId :

ICVVN090919

Tgt Ion:	69	Resp:	154706
Ion	Ratio	Lower	Upper
69	100		
41	71.5	34.5	103.5
39	45.0	22.4	67.3

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM



#52

1,3-Dichloropropane

Concen: 19.350 ug/l

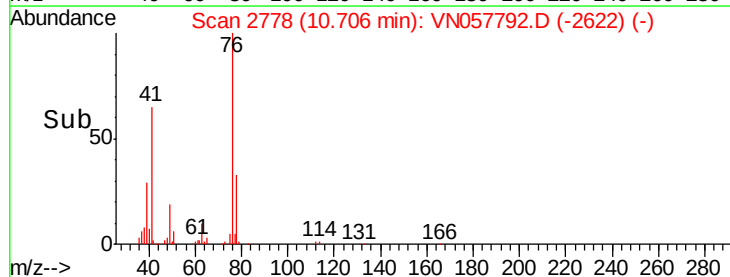
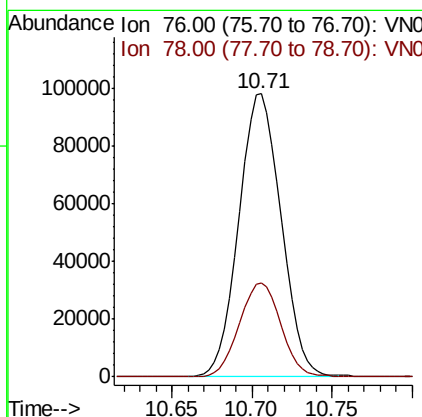
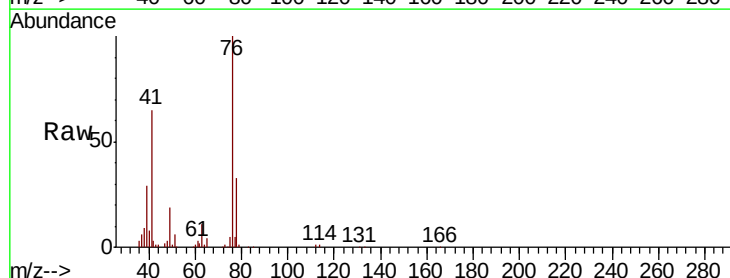
RT: 10.71 min Scan# 2778

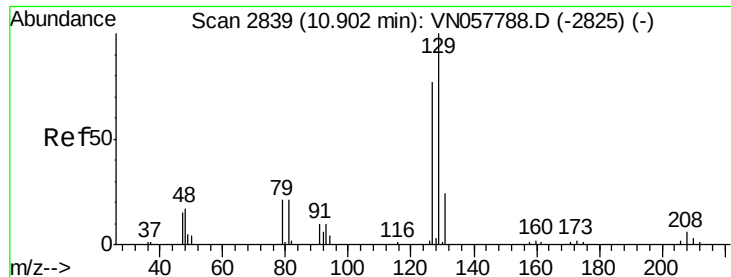
Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Tgt Ion:	76	Resp:	177812
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	63.8





#53

Dibromochloromethane

Concen: 18.522 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

Tgt Ion:129 Resp: 96119

Ion Ratio Lower Upper

129 100

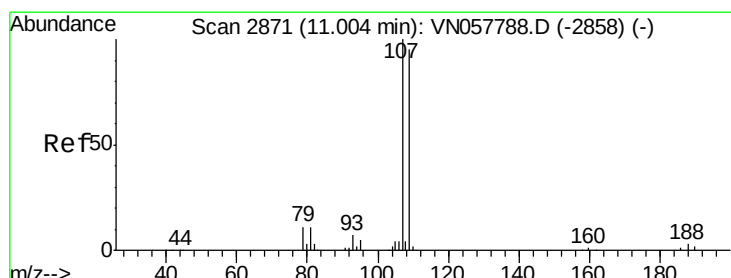
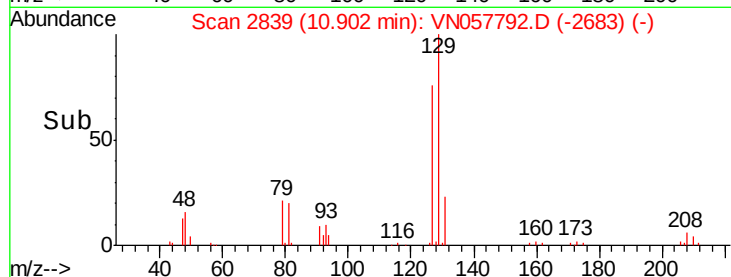
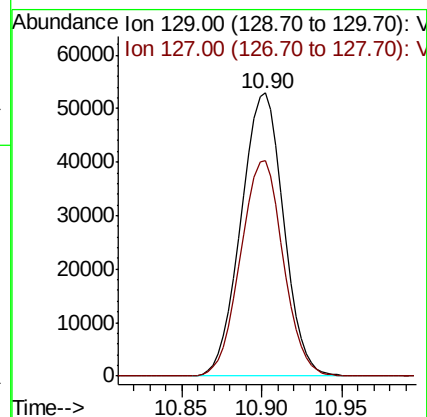
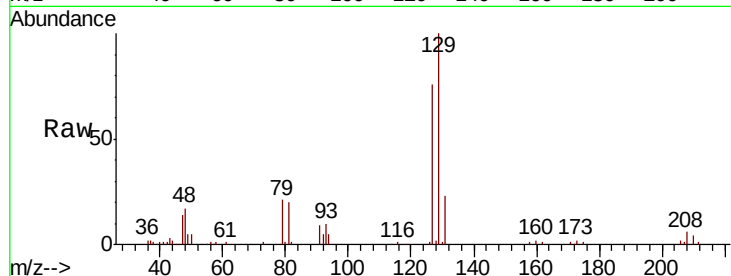
127 76.3 38.8 116.3

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:04:54 AM



#54

1,2-Dibromoethane

Concen: 18.922 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057792.D

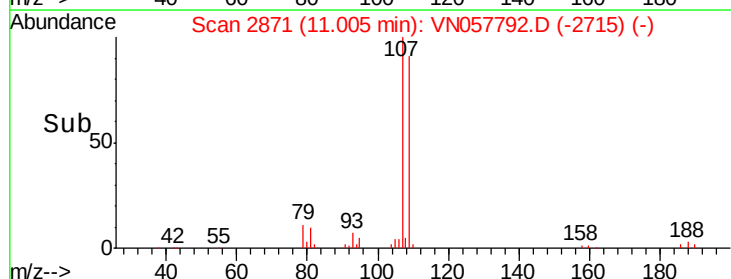
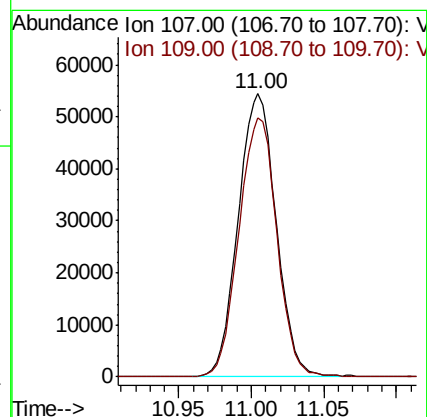
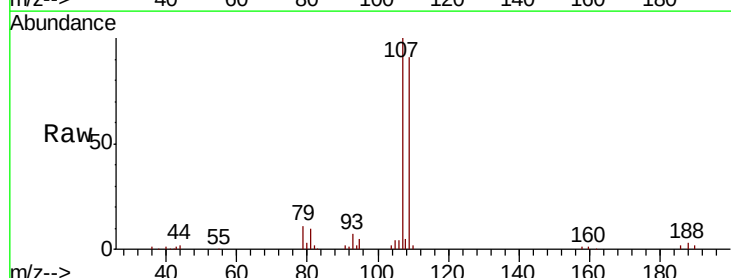
Acq: 9 Sep 2019 11:02

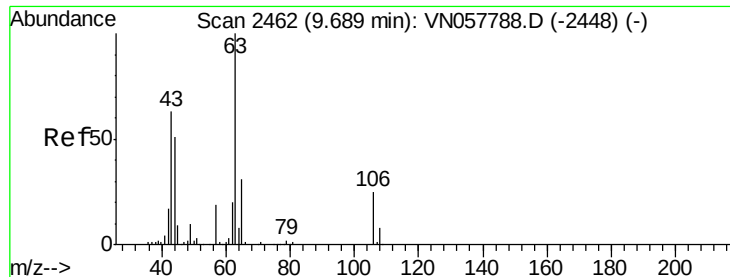
Tgt Ion:107 Resp: 98927

Ion Ratio Lower Upper

107 100

109 91.5 75.4 113.0





#55

2-Chloroethyl vinyl ether

Concen: 97.537 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

Tgt Ion: 63 Resp: 377612

Ion Ratio Lower Upper

63 100

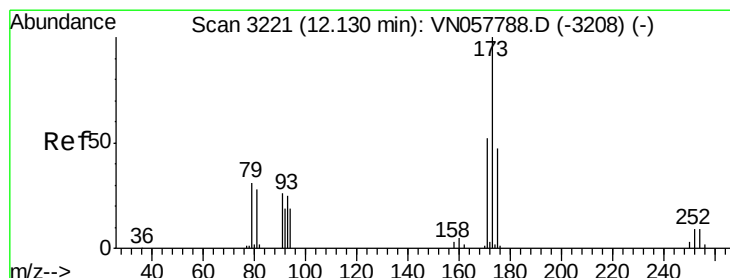
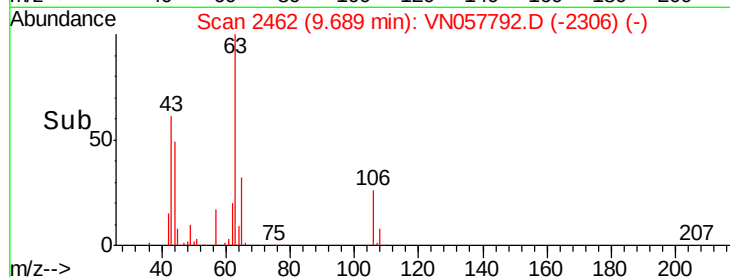
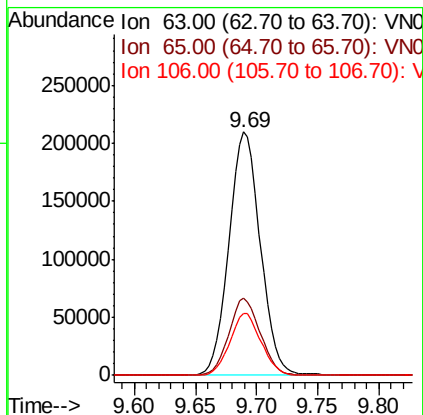
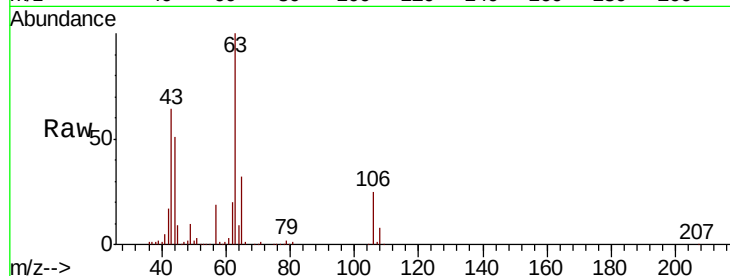
65 31.7 25.0 37.6

106 25.1 19.8 29.8

Manual Integrations
APPROVED

MMDadoda

9/13/2019 11:04:54 AM



#56

Bromoform

Concen: 17.846 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

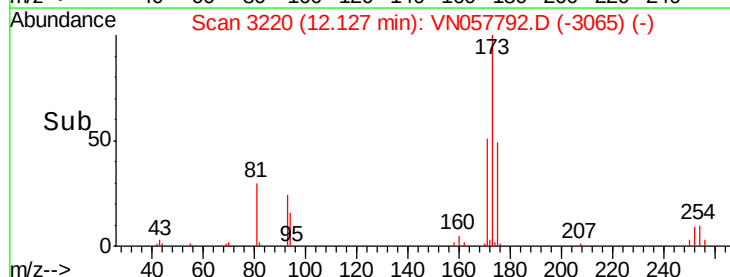
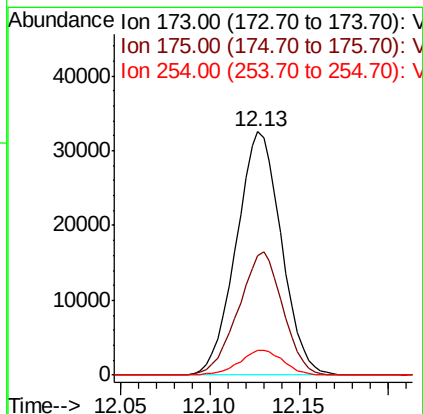
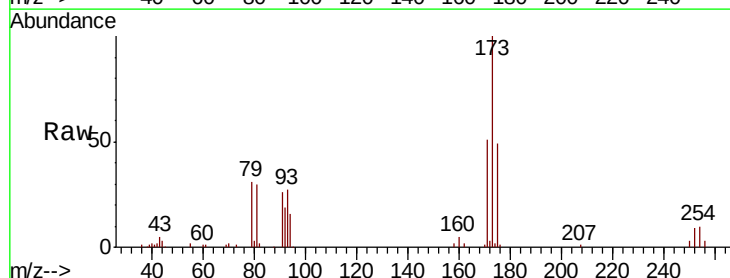
Tgt Ion: 173 Resp: 57372

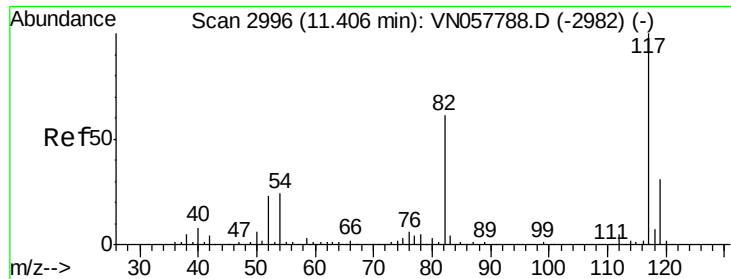
Ion Ratio Lower Upper

173 100

175 49.8 38.4 57.6

254 10.0 6.9 10.3





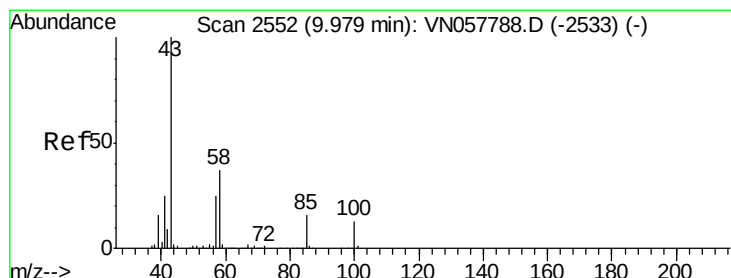
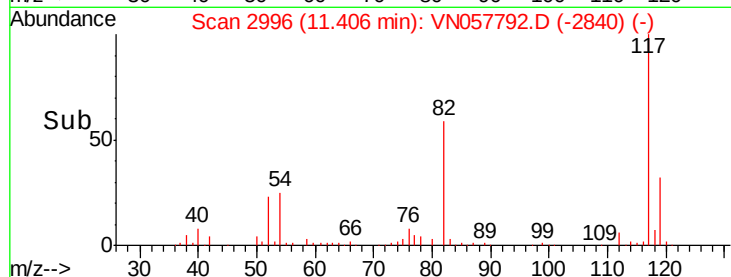
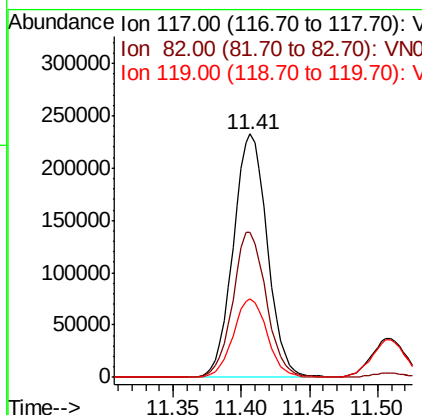
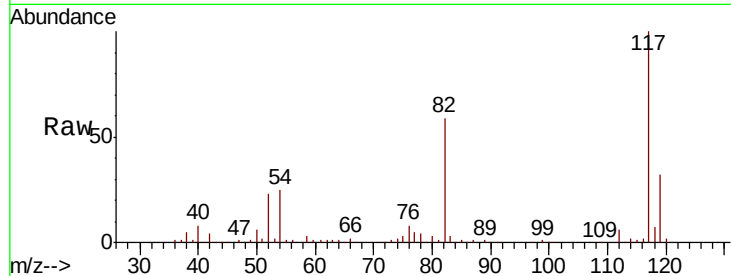
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampled :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.6	71.4
119	32.0	25.4	38.2

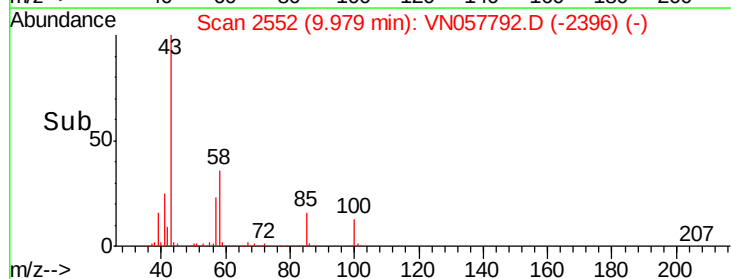
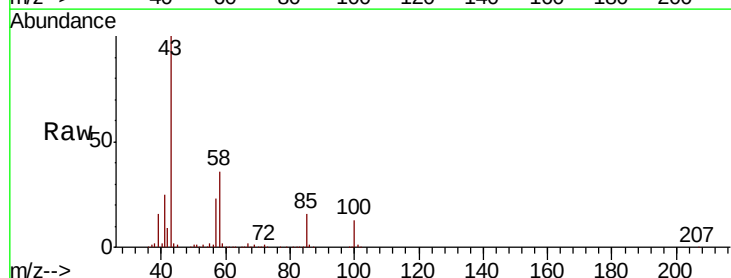
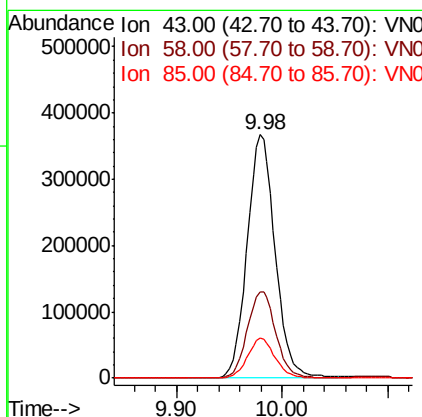
Manual Integrations
APPROVED

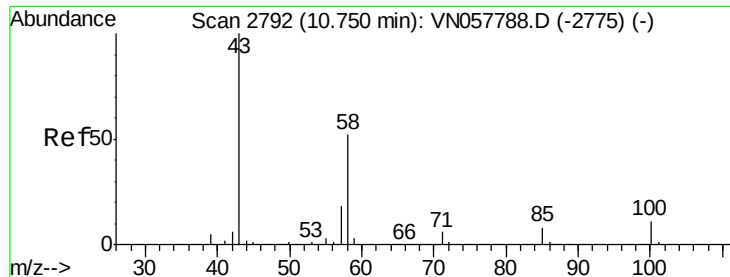
MMDadoda
9/13/2019 11:04:54 AM



#58
4-Methyl-2-Pentanone
Concen: 107.935 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.4	44.0
85	16.3	12.9	19.3





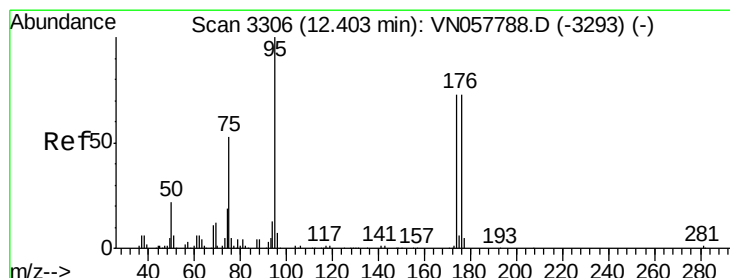
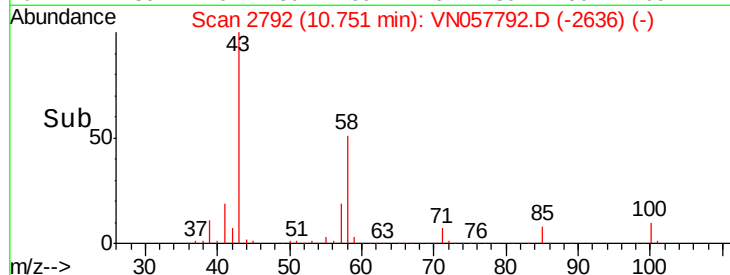
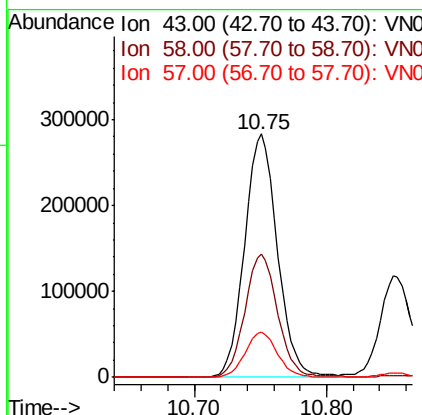
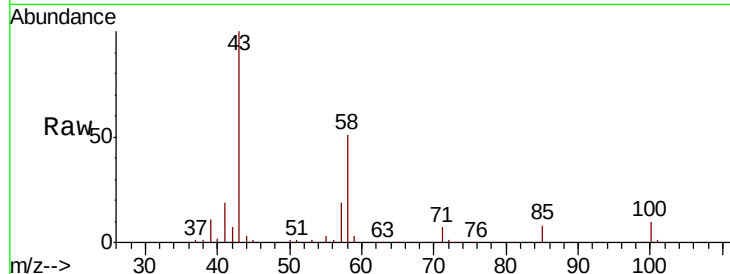
#59
2-Hexanone
Concen: 103.391 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampled :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.0	40.6	61.0
57	18.5	14.5	21.7

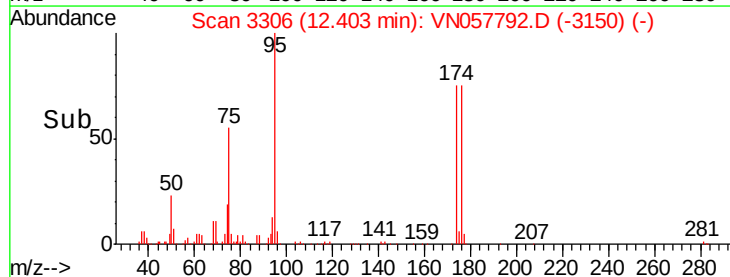
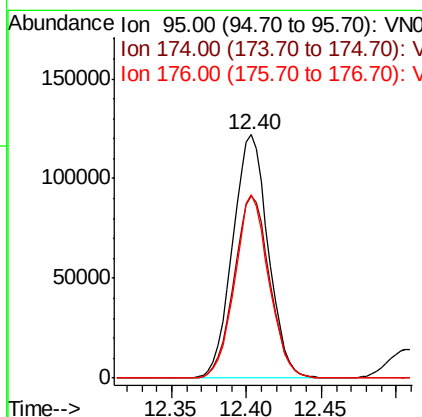
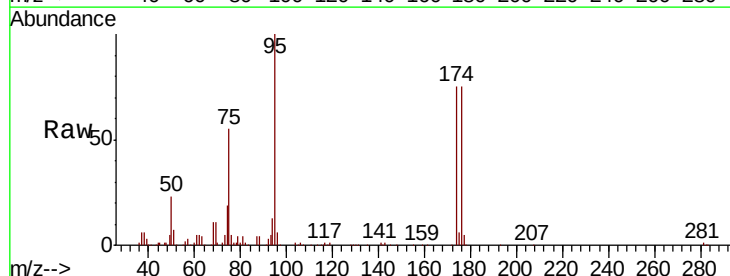
Manual Integrations
APPROVED

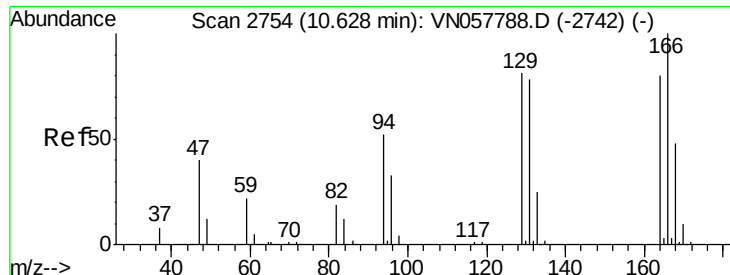
MMDadoda
9/13/2019 11:04:54 AM



#60
4-Bromofluorobenzene
Concen: 29.205 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	59.4	89.0
176	72.4	57.4	86.0





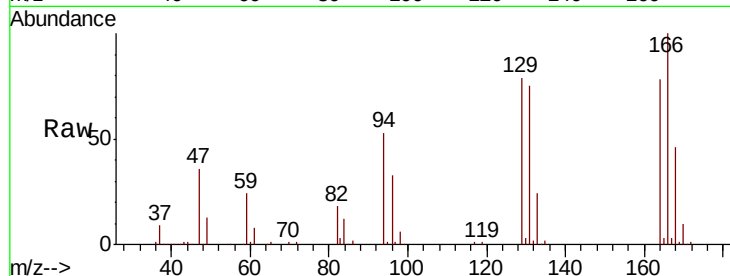
#61
Tetrachloroethene
Concen: 19.809 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81181		
166	128.1	99.6	149.4	
129	100.6	80.9	121.3	
131	95.8	77.2	115.8	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM



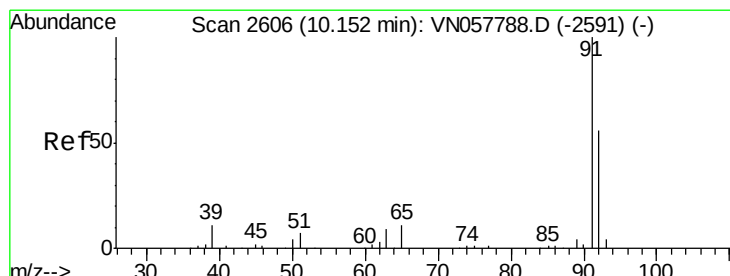
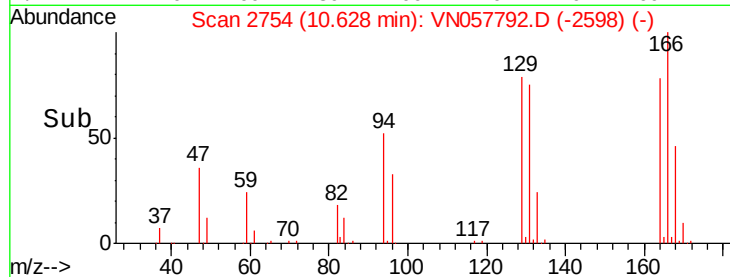
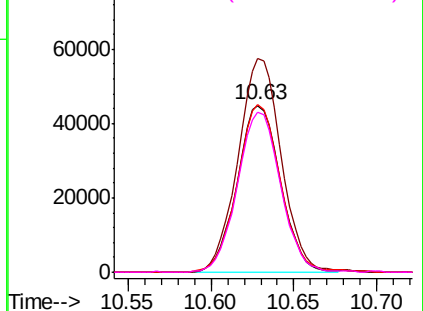
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

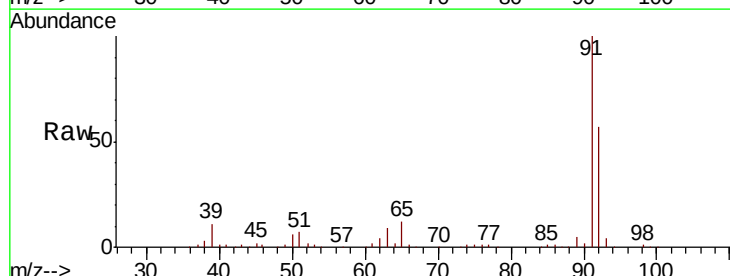
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.133 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

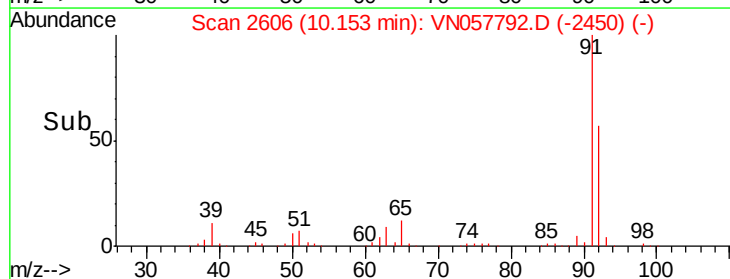
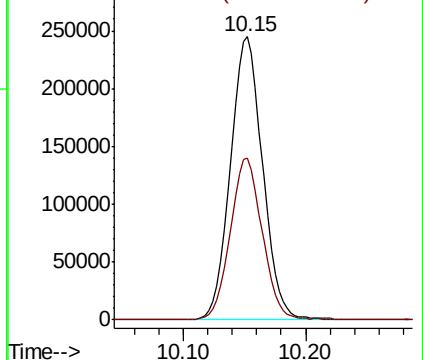
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	449349		
92	56.5	44.9	67.3	

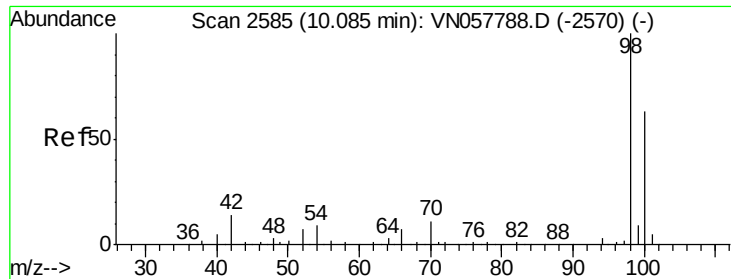


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





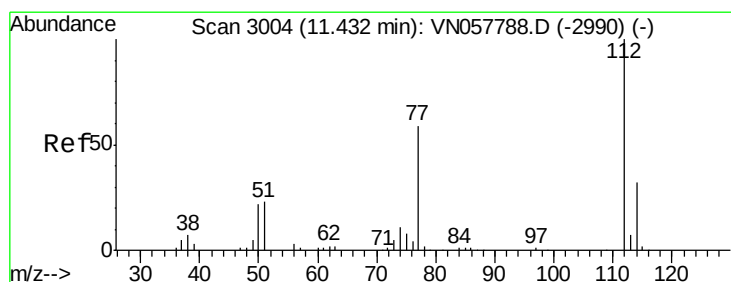
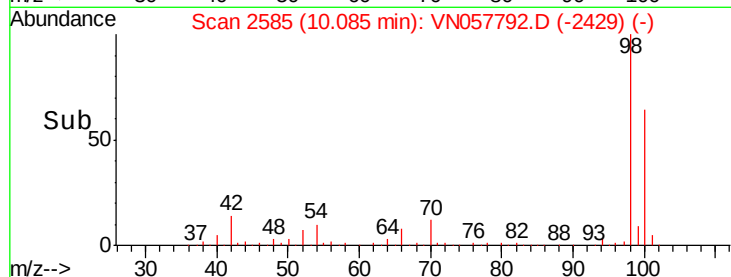
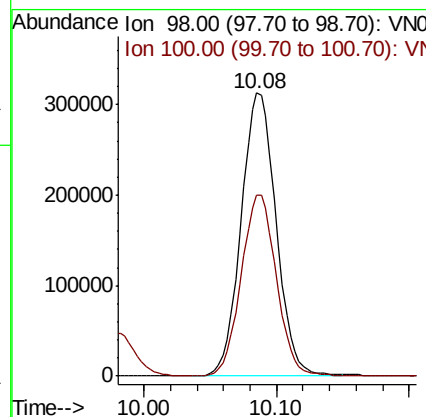
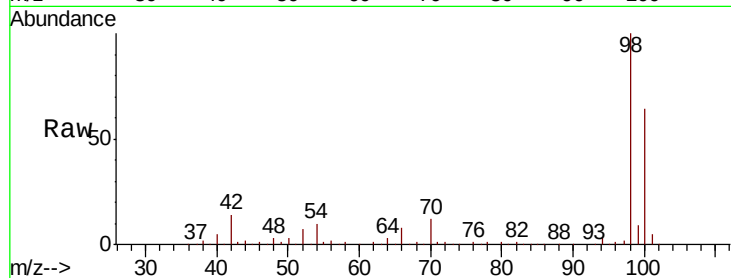
#63
Toluene-d8
Concen: 29.678 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion: 98 Resp: 574189
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5

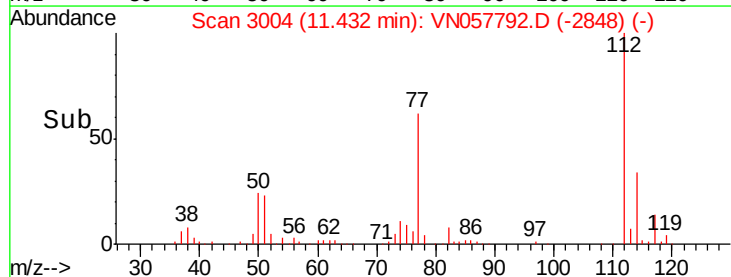
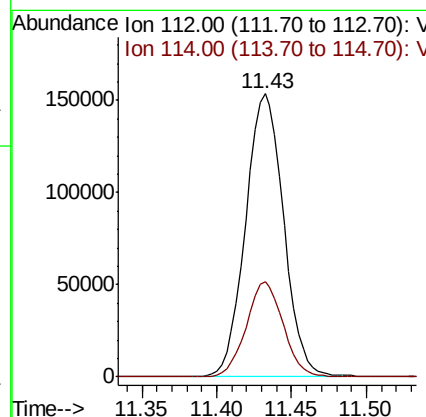
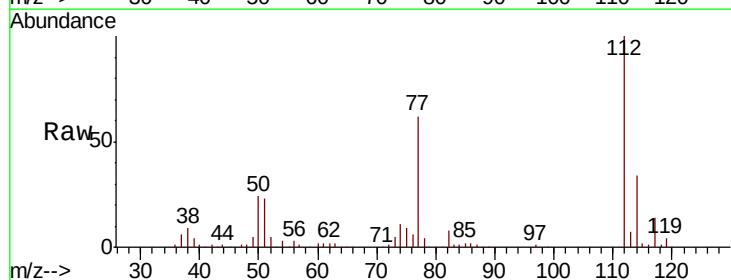
Manual Integrations
APPROVED

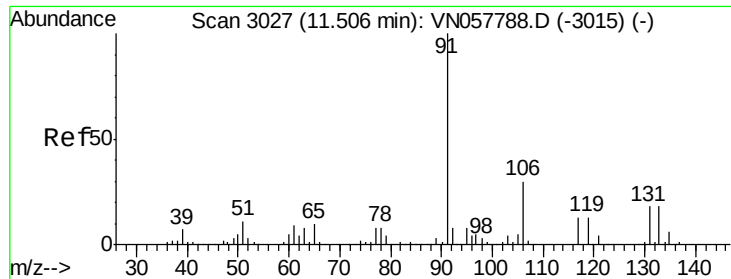
MMDadoda
9/13/2019 11:04:54 AM



#64
Chlorobenzene
Concen: 19.667 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 112 Resp: 272297
Ion Ratio Lower Upper
112 100
114 33.8 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.341 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

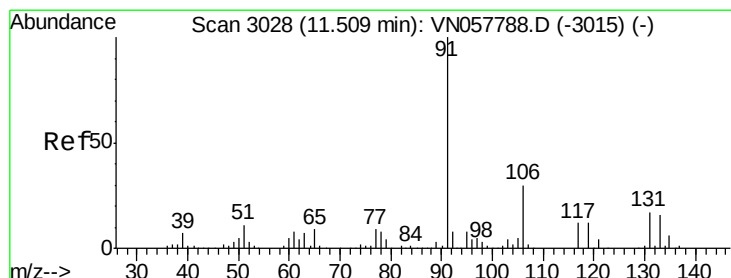
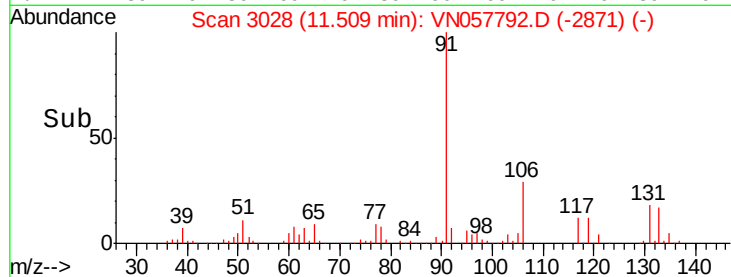
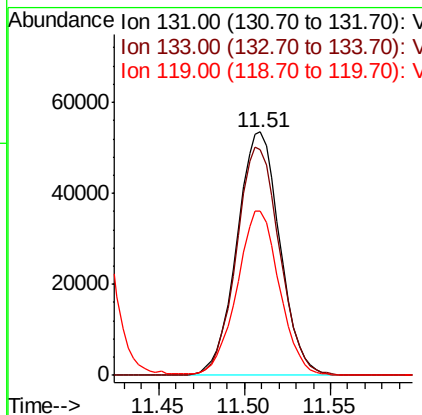
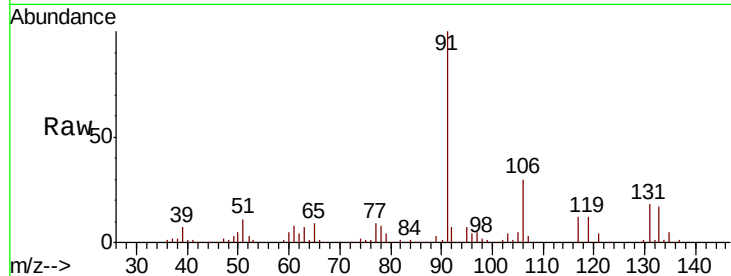
ClientSampleId :

ICVVN090919

Tgt Ion: 131 Resp: 92977
 Ion Ratio Lower Upper
 131 100
 133 94.5 0.0 189.2
 119 66.9 0.0 136.4

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:04:54 AM



#66

Ethyl Benzene

Concen: 20.424 ug/l

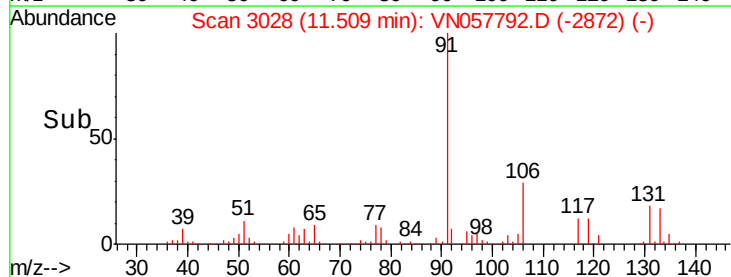
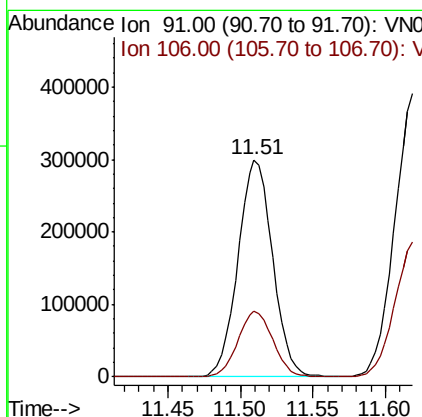
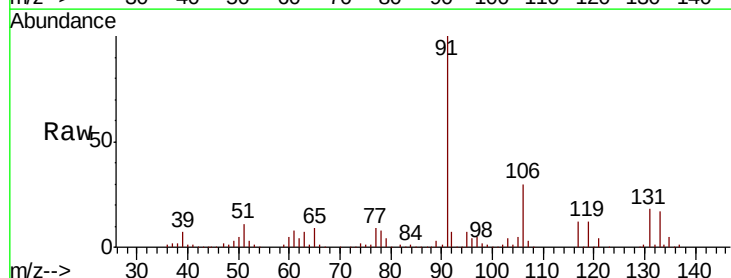
RT: 11.51 min Scan# 3028

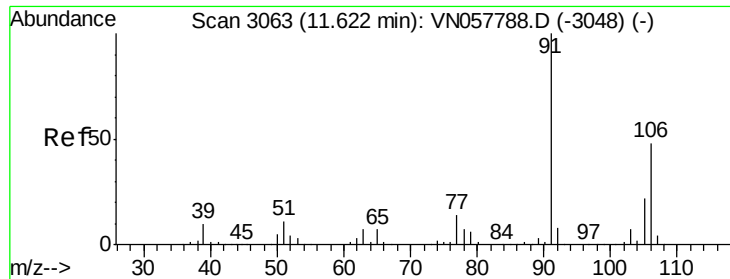
Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Tgt Ion: 91 Resp: 497503
 Ion Ratio Lower Upper
 91 100
 106 30.1 24.0 36.0





#67

m/p-Xylenes

Concen: 38.842 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

ICVVN090919

Tgt Ion:106 Resp: 361121

Ion Ratio Lower Upper

106 100

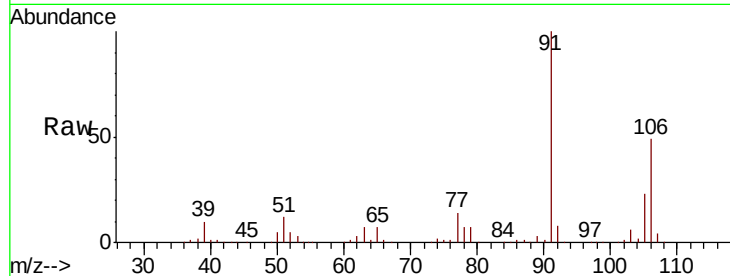
91 206.3 166.1 249.1

Manual Integrations

APPROVED

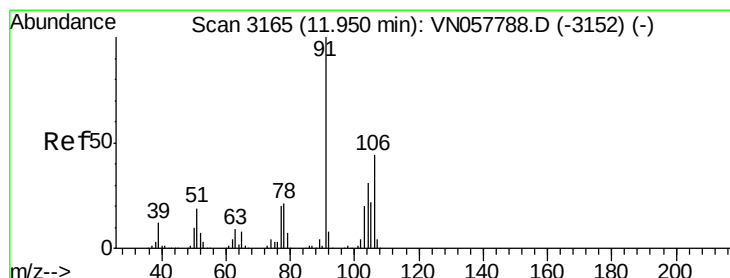
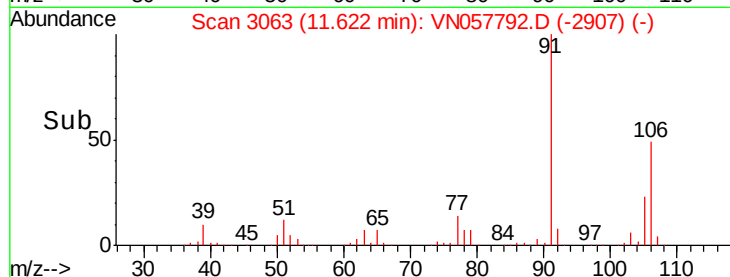
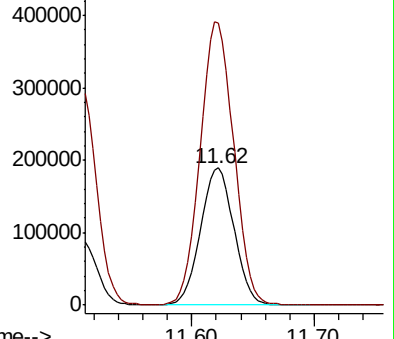
MMDadoda

9/13/2019 11:04:54 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.338 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057792.D

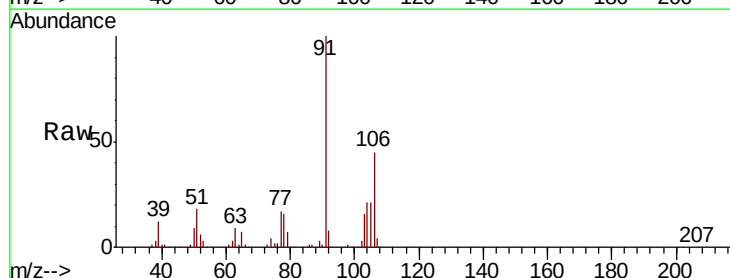
Acq: 9 Sep 2019 11:02

Tgt Ion:106 Resp: 176134

Ion Ratio Lower Upper

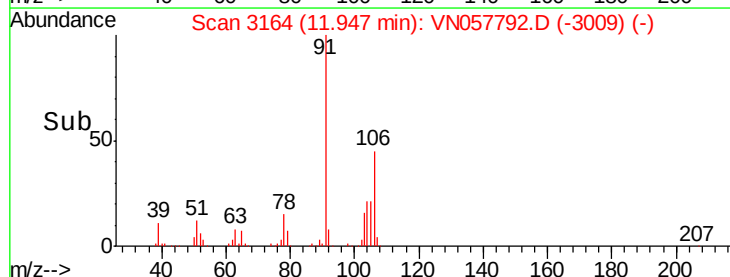
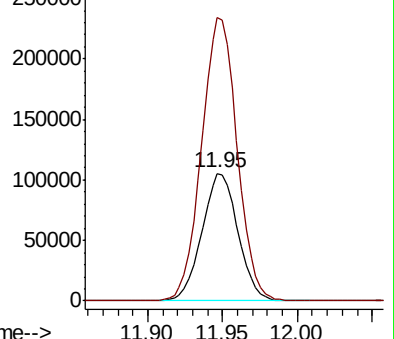
106 100

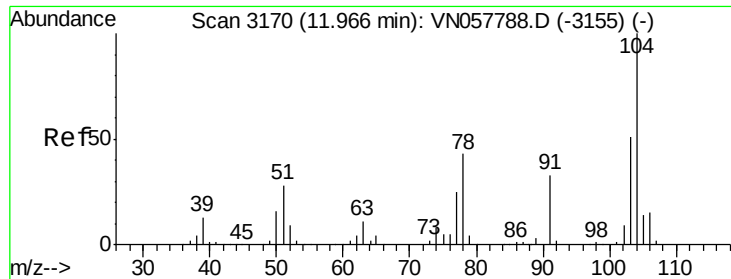
91 219.9 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





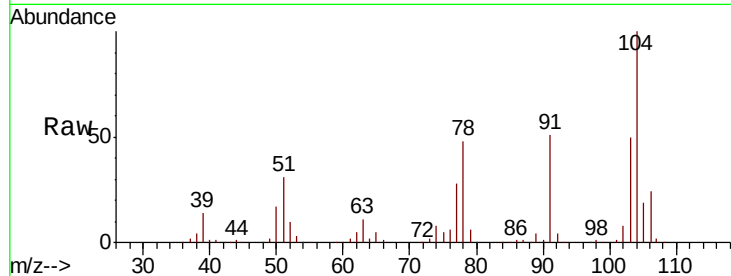
#69
Styrene
Concen: 19.563 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	303805		
78	52.4	41.5	62.3	
103	55.2	44.8	67.2	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM

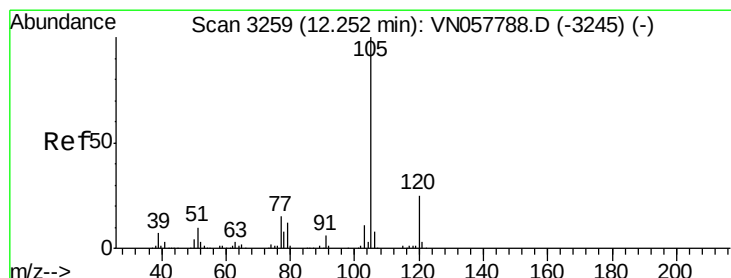
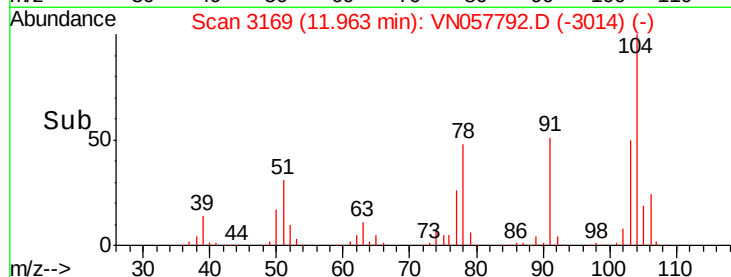
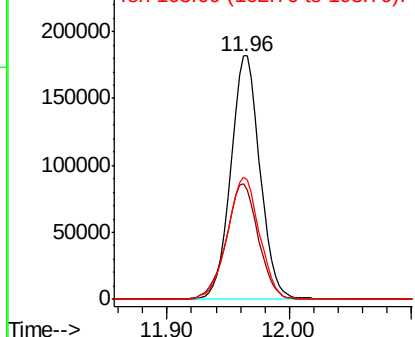


Abundance

Ion 104.00 (103.70 to 104.70): V

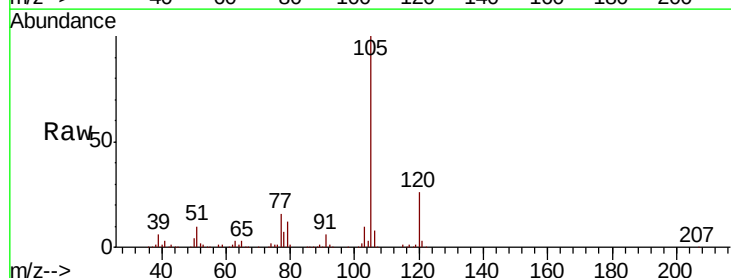
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 20.329 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

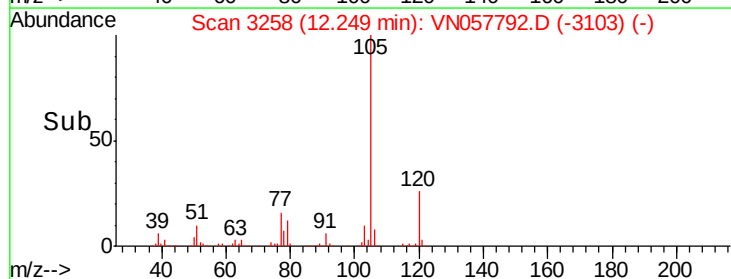
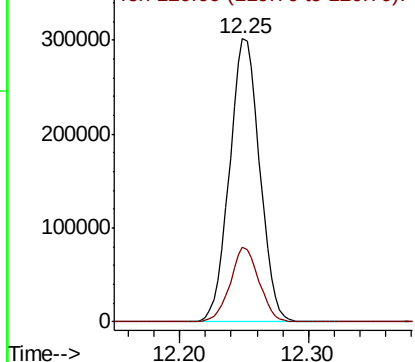
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	489518		
120	25.2	17.6	32.6	

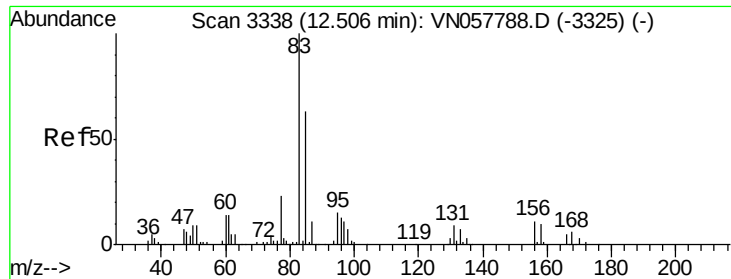


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





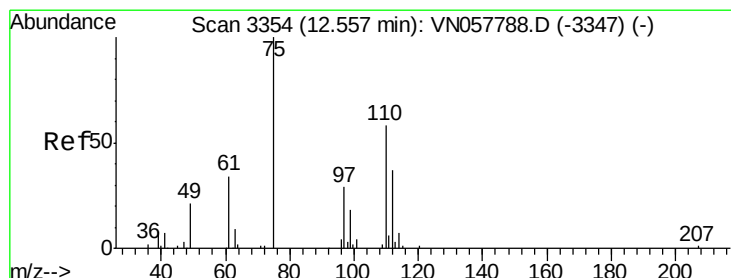
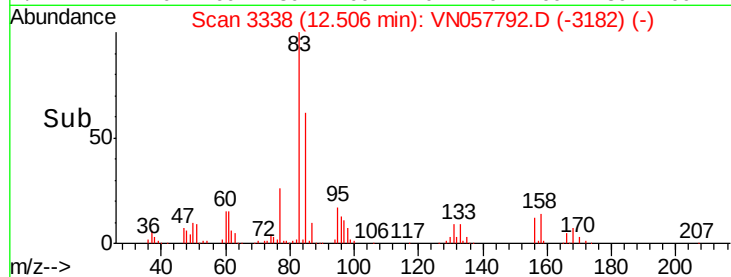
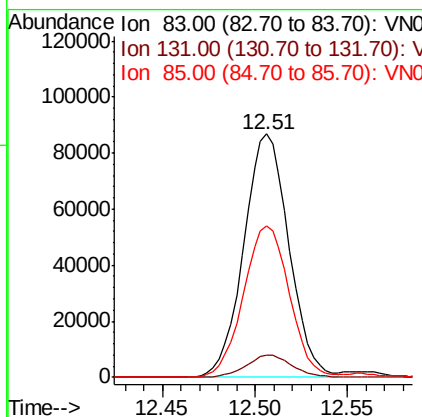
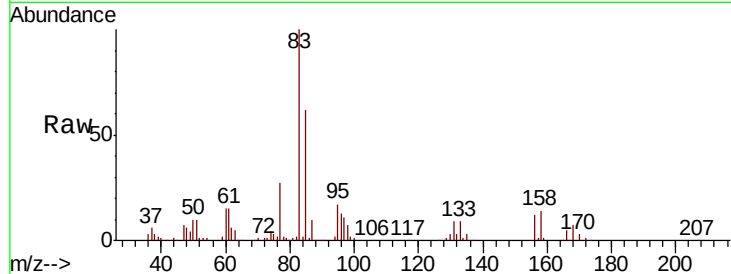
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.567 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090919

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	147251		
131	9.3	4.9	14.6	
85	63.3	32.1	96.3	

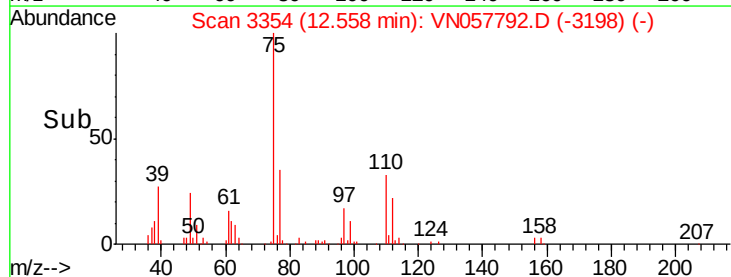
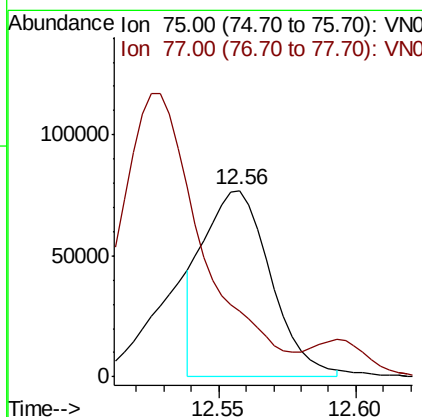
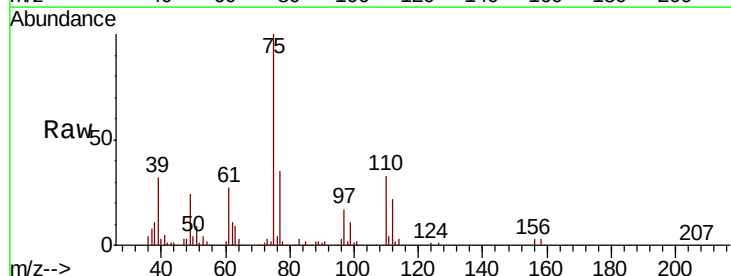
Manual Integrations
 APPROVED

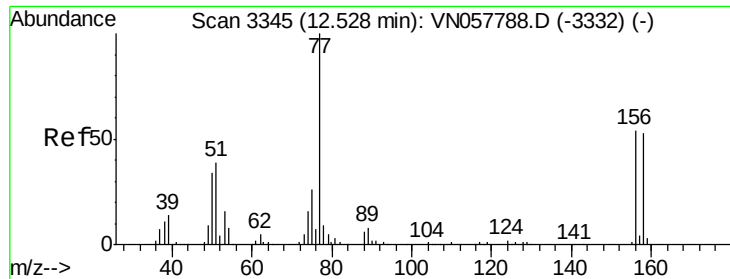
MMDadoda
 9/13/2019 11:04:54 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.675 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131419		
77	185.8	0.0	351.6	





#73

Bromobenzene

Concen: 19.470 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

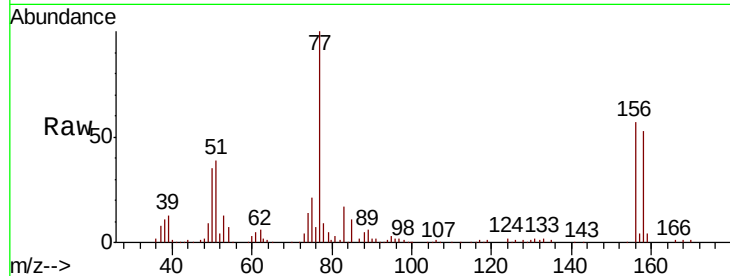
ClientSampleId :

ICVVN090919

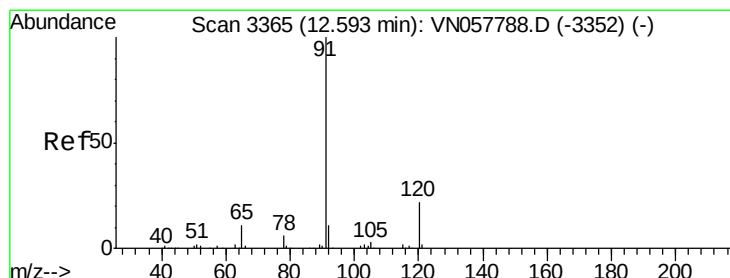
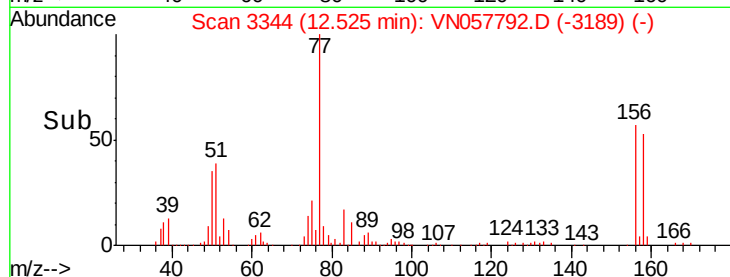
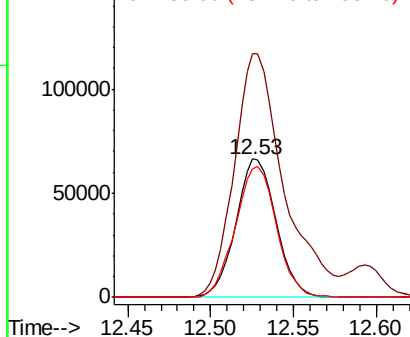
Tgt Ion:	156	Resp:	112240
Ion Ratio	Lower	Upper	
156	100		
77	217.5	0.0	446.6
158	96.7	0.0	197.2

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.569 ug/l

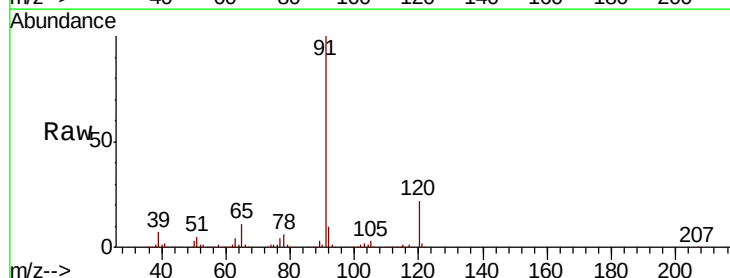
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

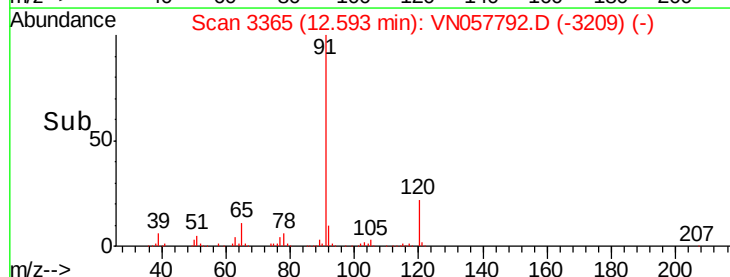
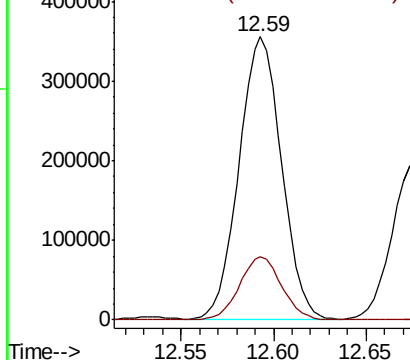
Lab File: VN057792.D

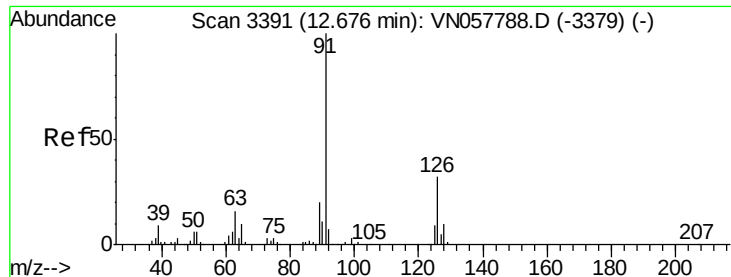
Acq: 9 Sep 2019 11:02

Tgt Ion:	91	Resp:	565882
Ion Ratio	Lower	Upper	
91	100		
120	22.1	0.0	43.4



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





#75

2-Chlorotoluene

Concen: 19.583 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

Tgt Ion: 91 Resp: 335573

Ion Ratio Lower Upper

91 100

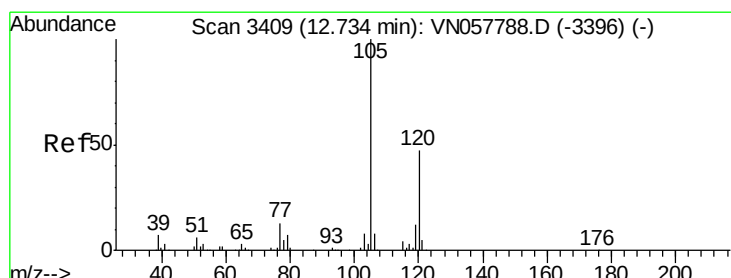
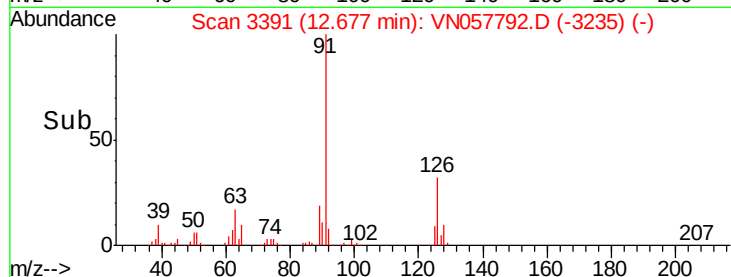
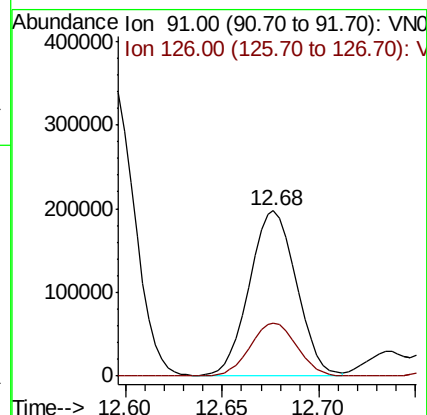
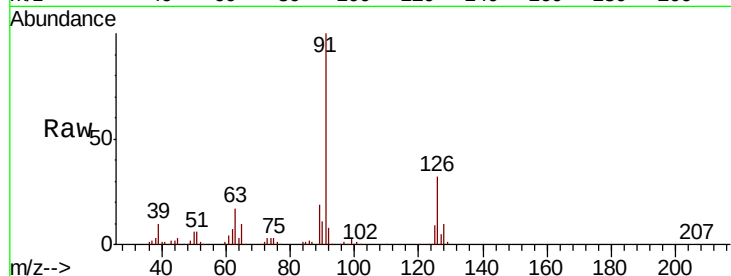
126 31.9 0.0 64.8

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:04:54 AM



#76

1,3,5-Trimethylbenzene

Concen: 19.987 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057792.D

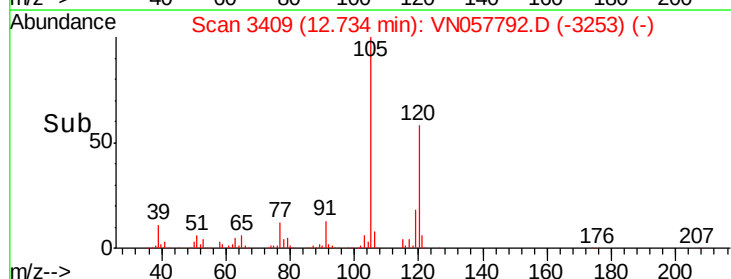
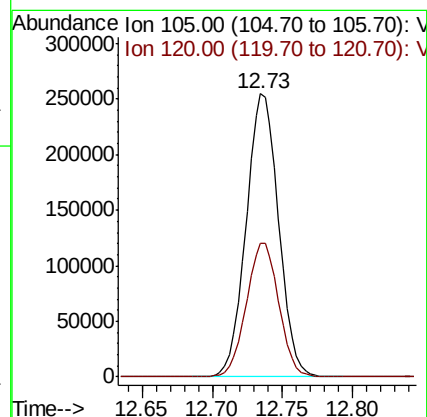
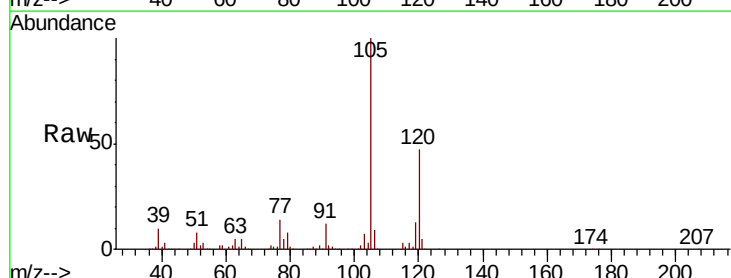
Acq: 9 Sep 2019 11:02

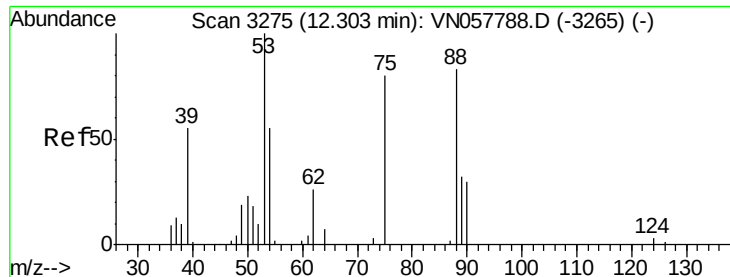
Tgt Ion: 105 Resp: 409827

Ion Ratio Lower Upper

105 100

120 47.5 0.0 94.4





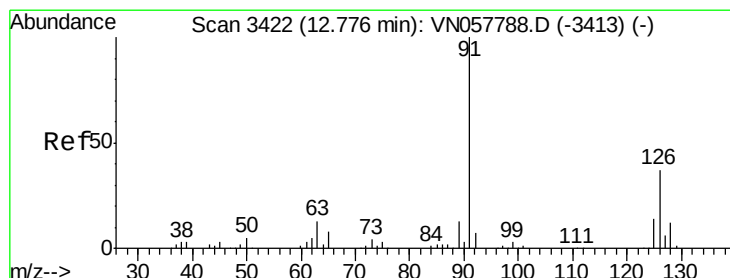
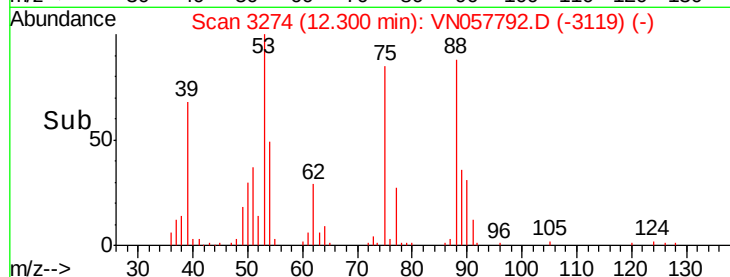
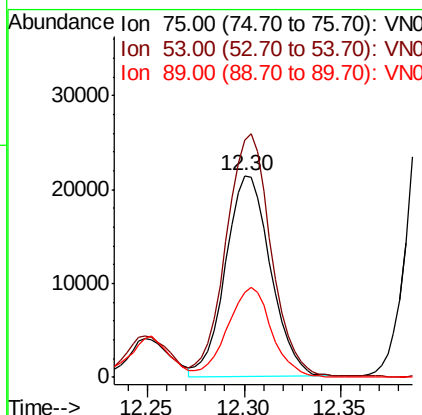
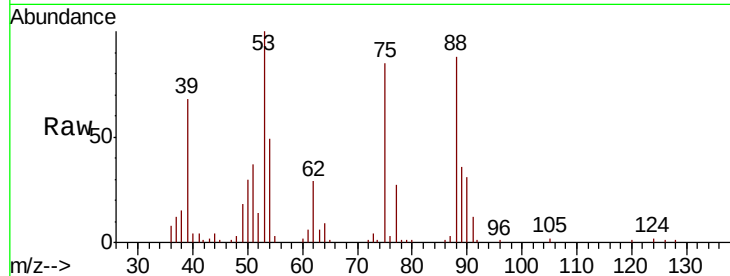
#77
t-1,4-Dichloro-2-butene
Concen: 17.440 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
75	100		
53	117.9	62.7	188.2
89	42.5	22.8	68.3

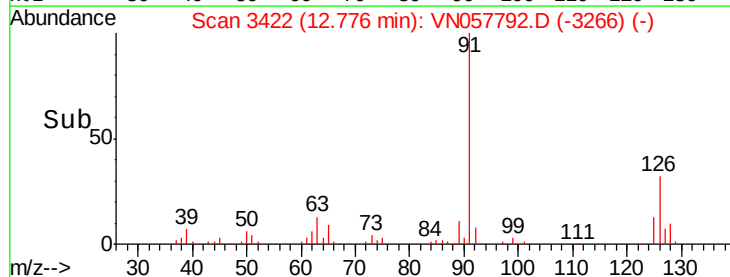
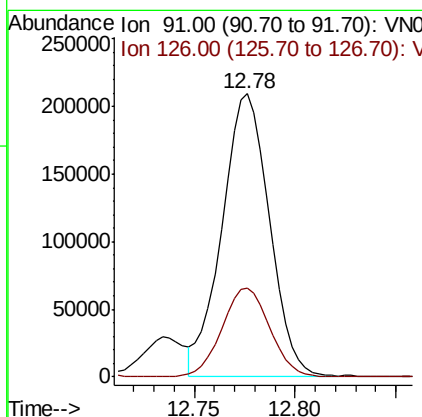
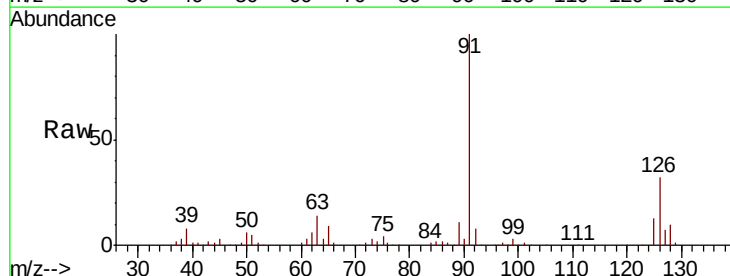
Manual Integrations
APPROVED

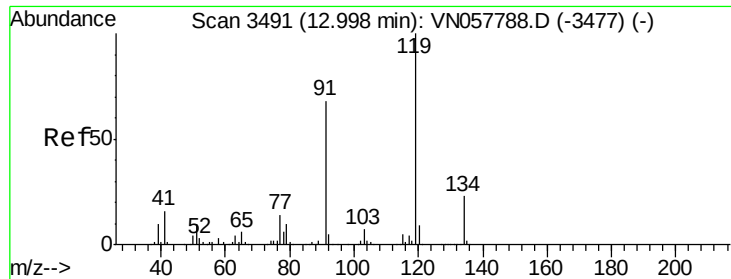
MMDadoda
9/13/2019 11:04:54 AM



#78
4-Chlorotoluene
Concen: 19.701 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	65.2





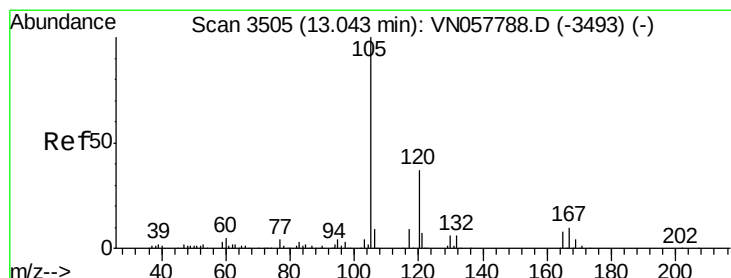
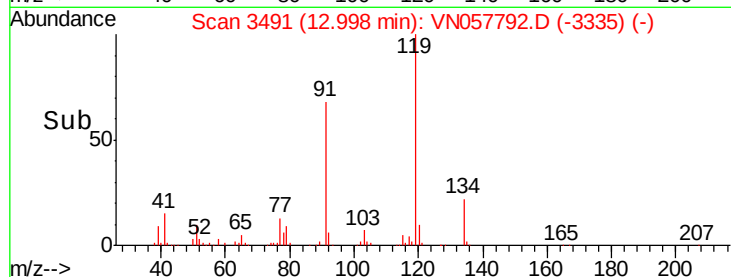
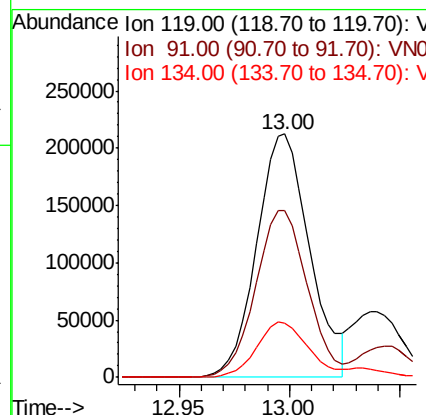
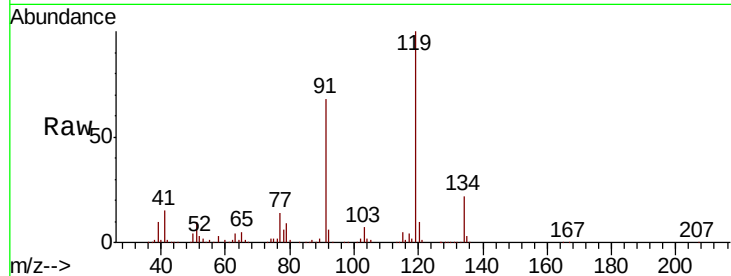
#79
tert-butylbenzene
Concen: 19.801 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampled :
ICVVN090919

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	354211		
91	66.7	0.0	133.8	
134	22.2	0.0	46.4	

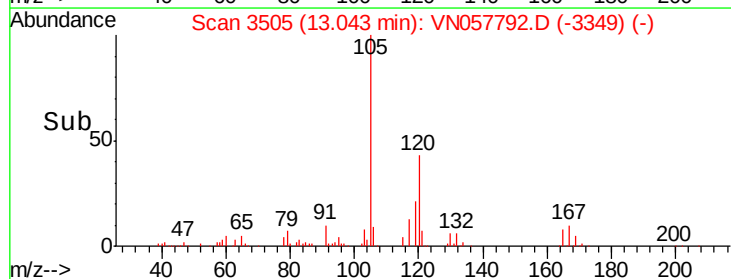
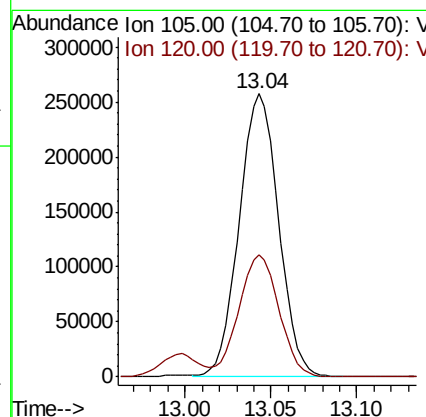
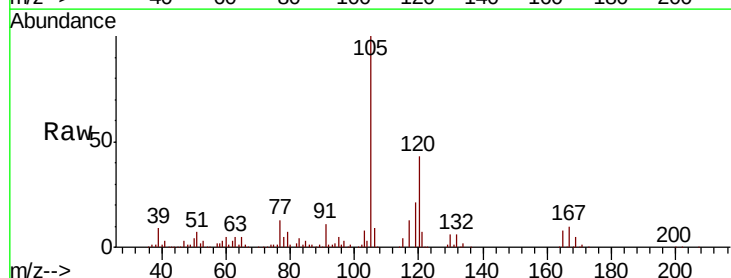
Manual Integrations
APPROVED

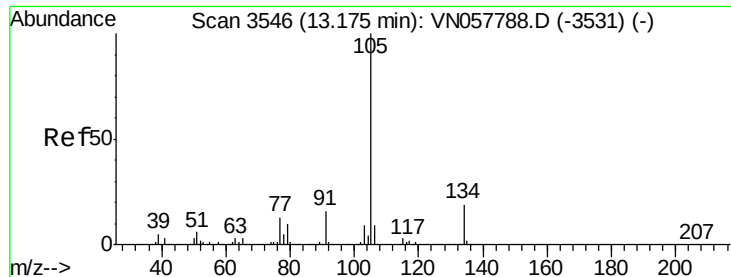
MMDadoda
9/13/2019 11:04:54 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.055 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	409737		
120	43.8	0.0	87.8	





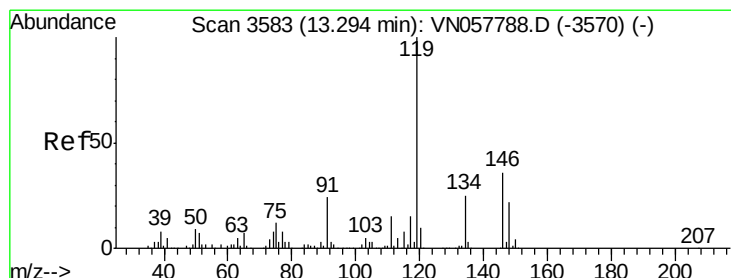
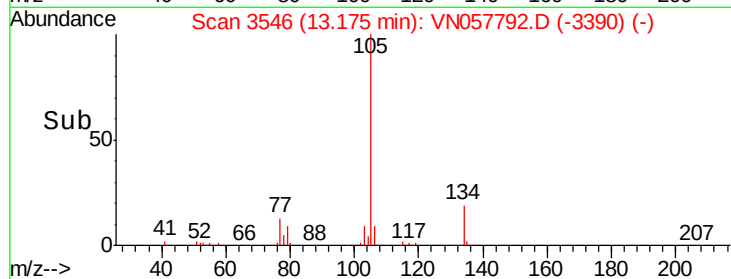
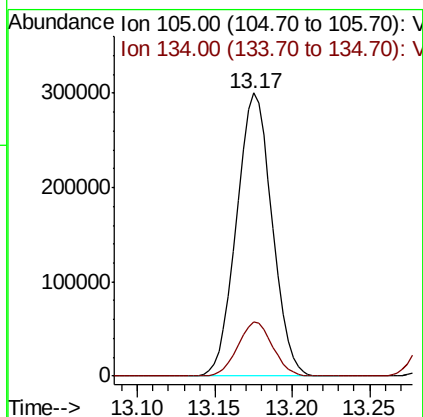
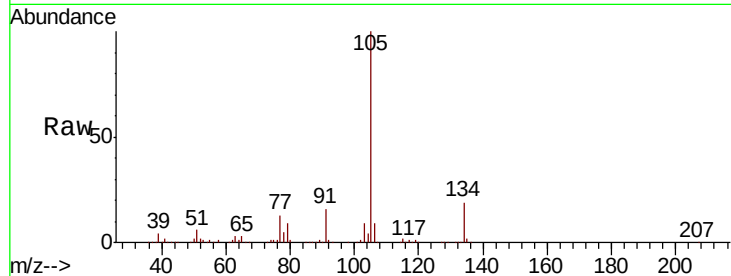
#81
 sec-Butylbenzene
 Concen: 20.201 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.8	0.0	37.6

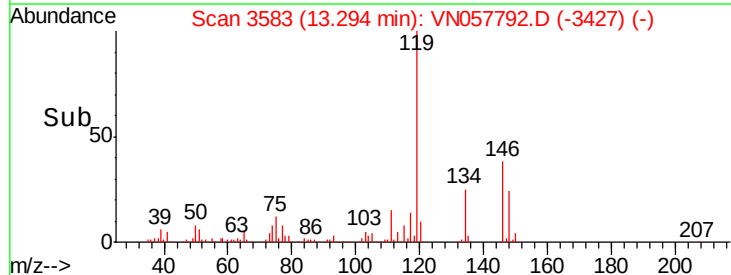
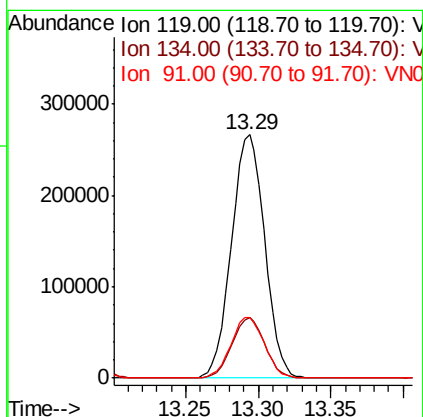
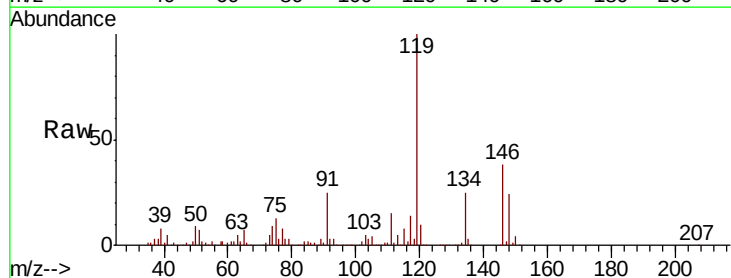
Manual Integrations
 APPROVED

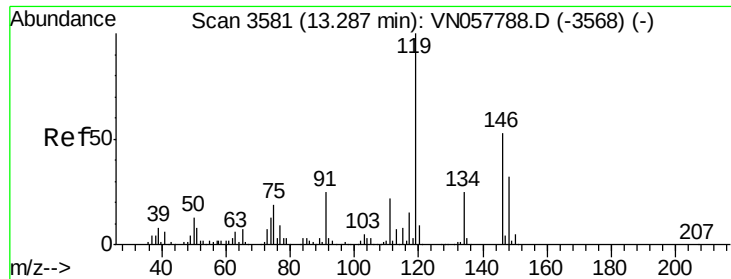
MMDadoda
 9/13/2019 11:04:54 AM



#82
 p-Isopropyltoluene
 Concen: 19.878 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.5	0.0	50.4
91	25.1	0.0	48.8





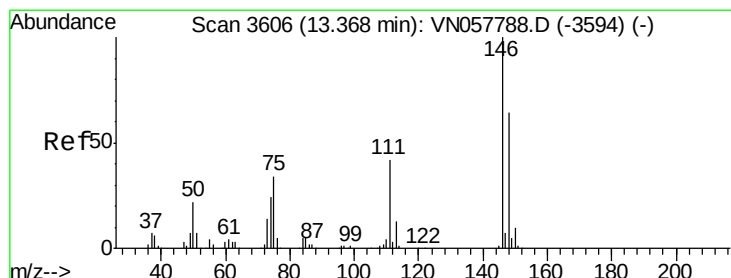
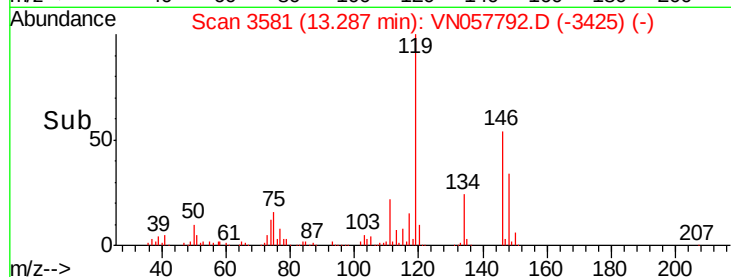
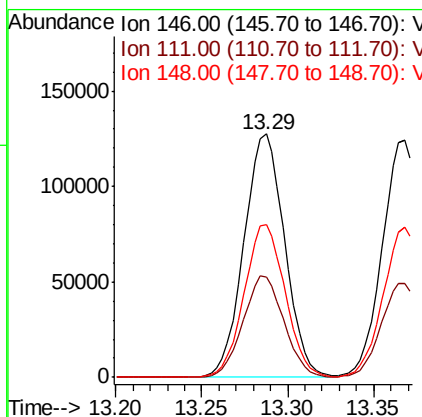
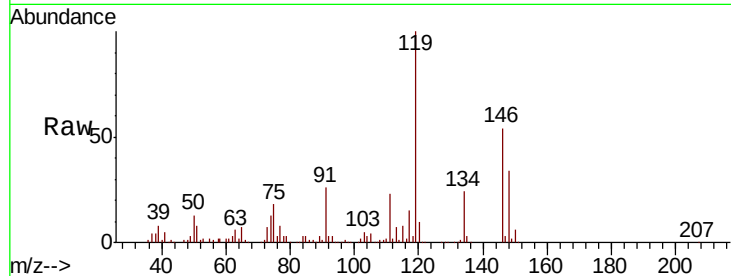
#83
1,3-Dichlorobenzene
Concen: 19.532 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	209298		
111	41.8	20.7	62.1	
148	63.1	30.9	92.5	

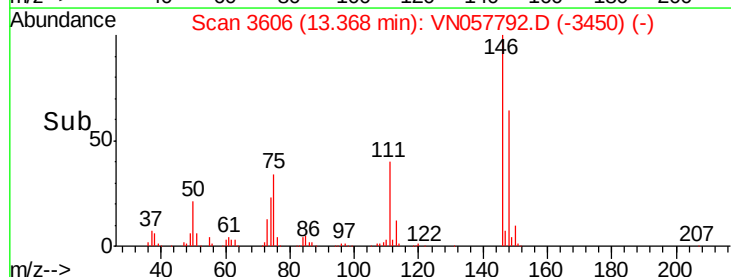
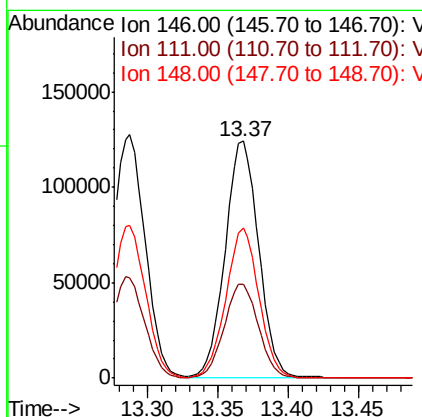
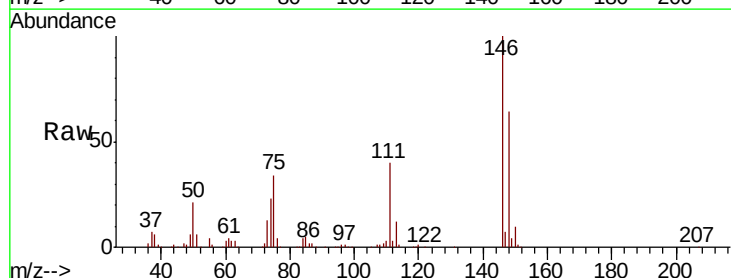
Manual Integrations
APPROVED

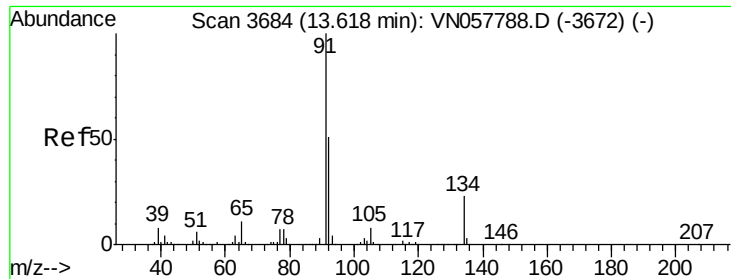
MMDadoda
9/13/2019 11:04:54 AM



#84
1,4-Dichlorobenzene
Concen: 19.633 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207117		
111	40.1	21.1	63.4	
148	62.3	31.7	95.1	





#85

n-Butylbenzene

Concen: 19.868 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

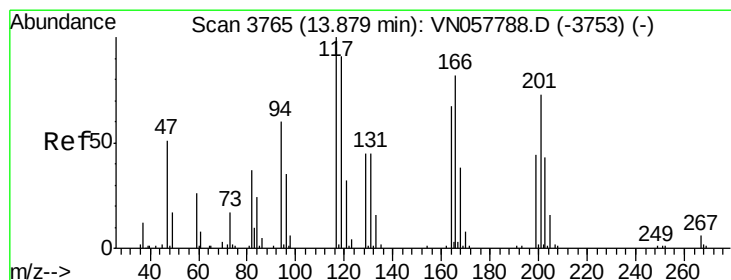
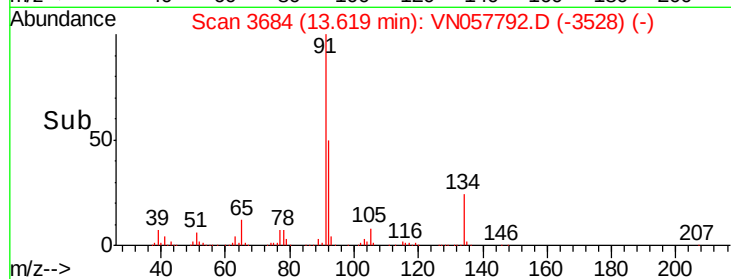
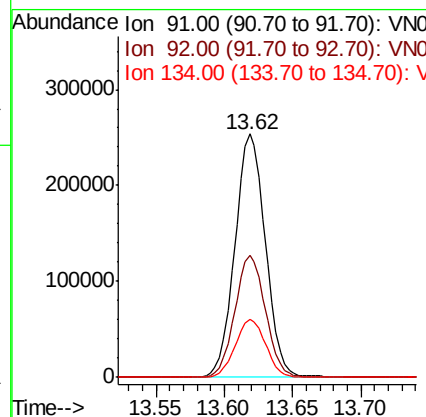
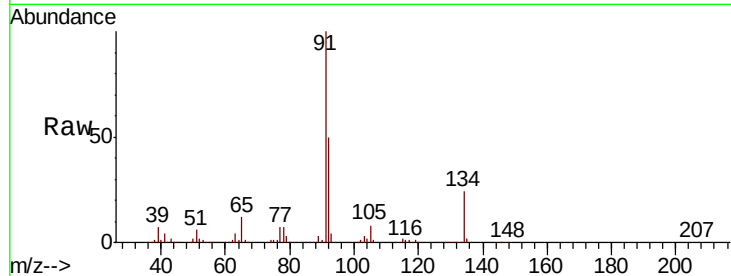
ClientSampleId :

ICVVN090919

Tgt Ion:	91	Resp:	393558
Ion	Ratio	Lower	Upper
91	100		
92	50.4	0.0	100.0
134	23.8	0.0	46.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM



#86

Hexachloroethane

Concen: 17.593 ug/l

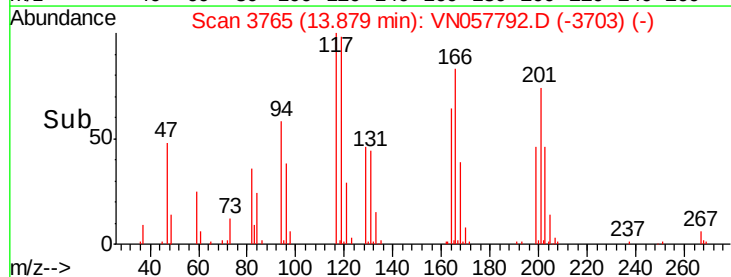
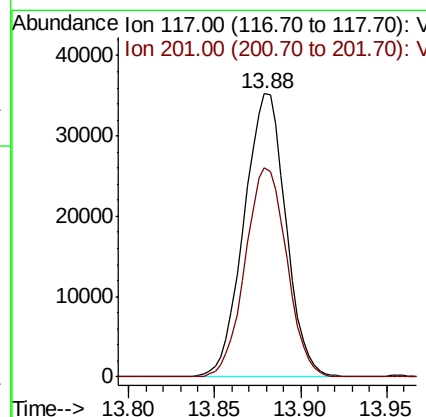
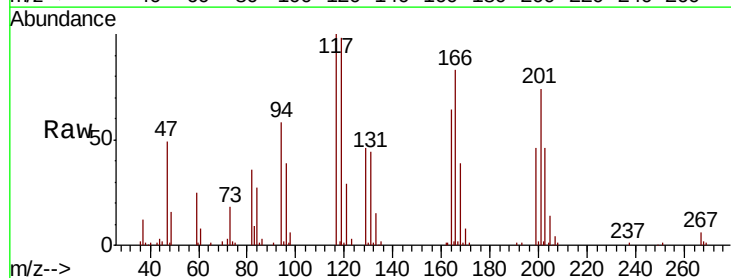
RT: 13.88 min Scan# 3765

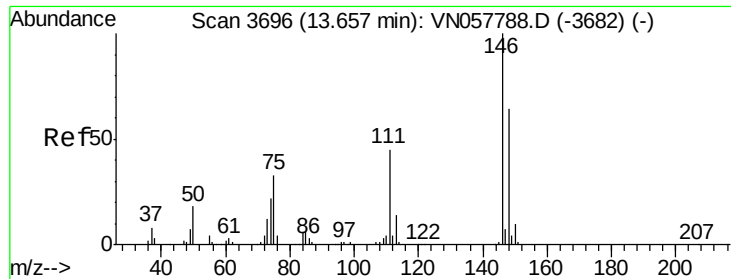
Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Tgt Ion:	117	Resp:	59563
Ion	Ratio	Lower	Upper
117	100		
201	73.2	36.7	110.1





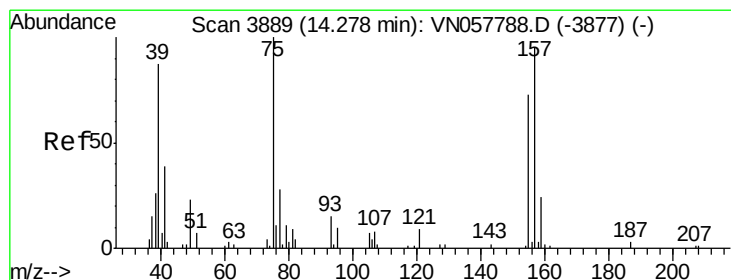
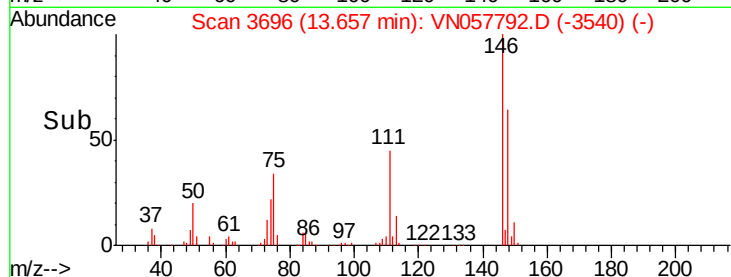
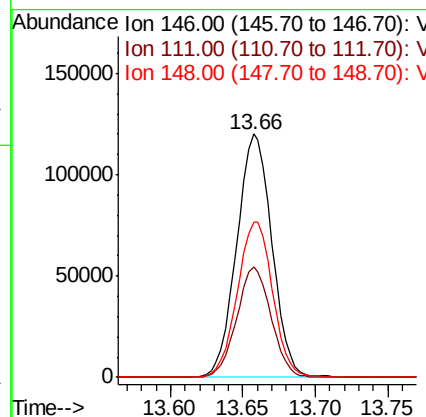
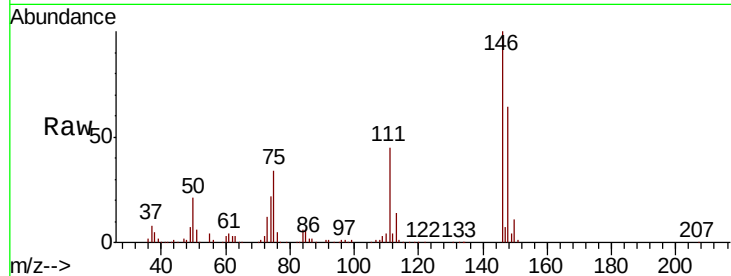
#87
 1,2-Dichlorobenzene
 Concen: 19.461 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.3	32.1	96.3

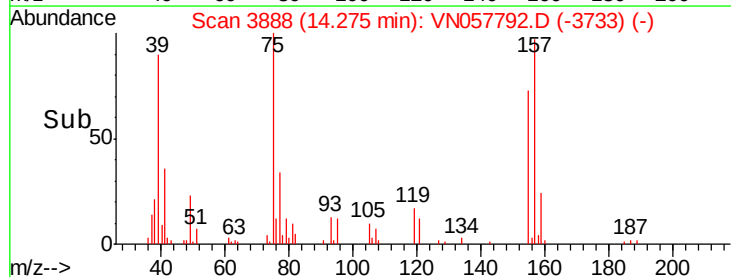
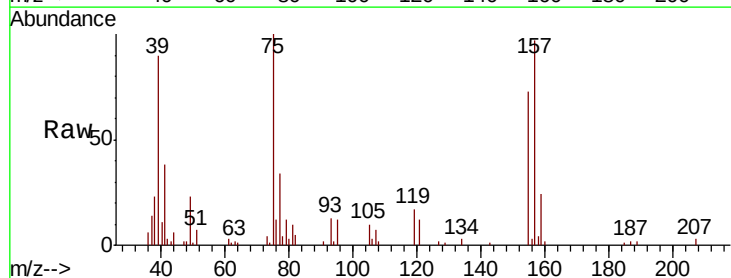
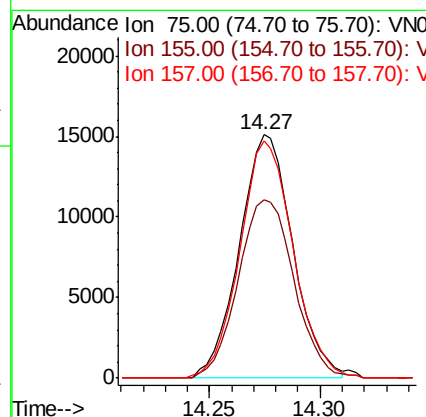
Manual Integrations
 APPROVED

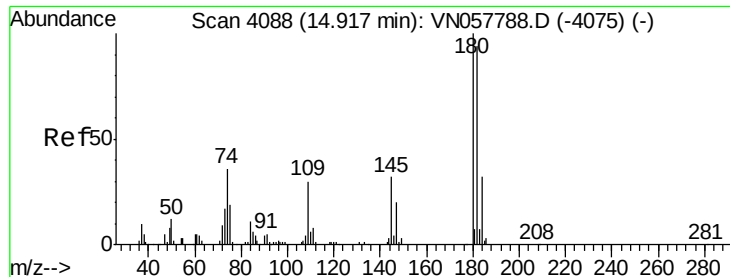
MMDadoda
 9/13/2019 11:04:54 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.245 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	59.4	89.2
157	97.2	74.6	112.0





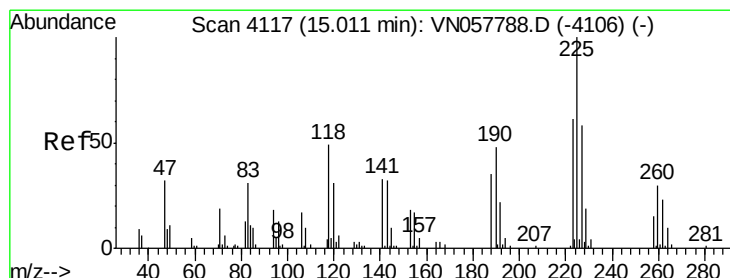
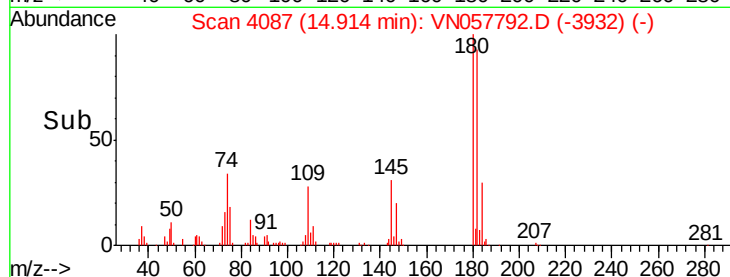
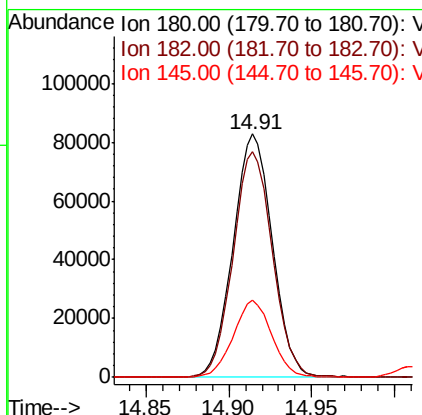
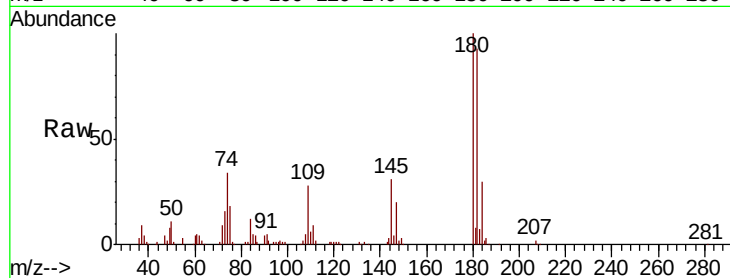
#89
1,2,4-Trichlorobenzene
Concen: 21.434 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.0	115.4
145	31.0	26.1	39.1

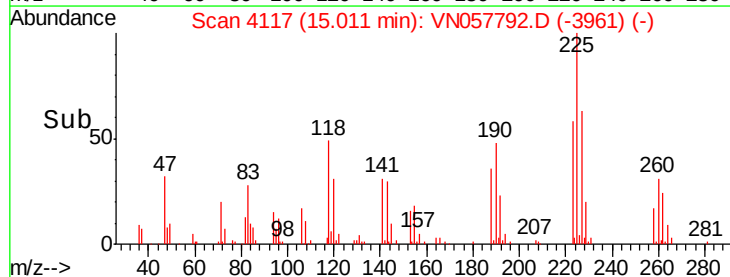
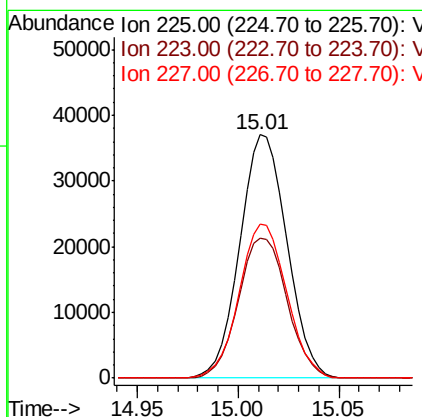
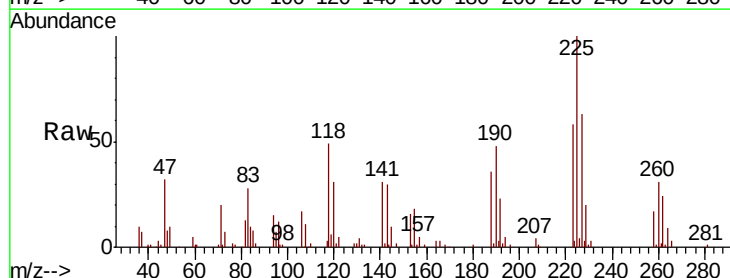
Manual Integrations
APPROVED

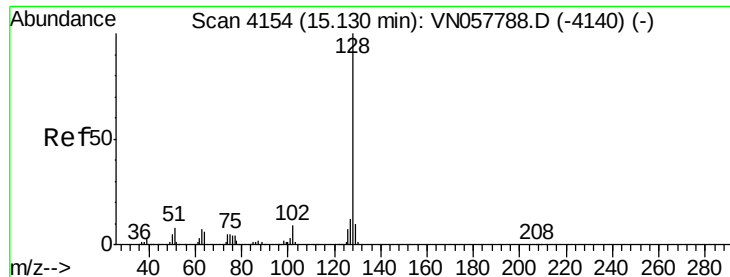
MMDadoda
9/13/2019 11:04:54 AM



#90
Hexachlorobutadiene
Concen: 20.746 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	0.0	125.0
227	64.0	0.0	123.8





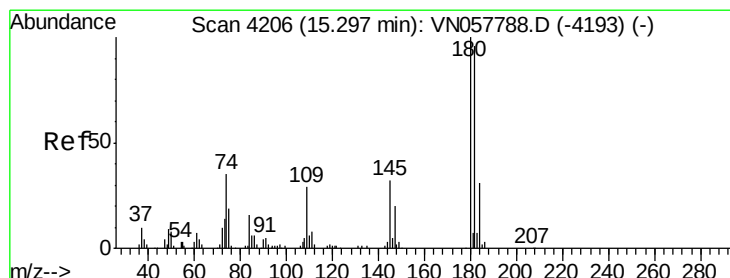
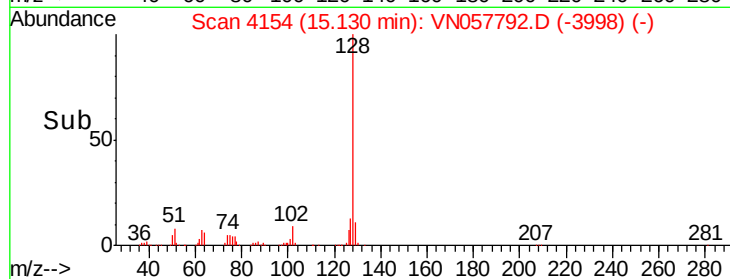
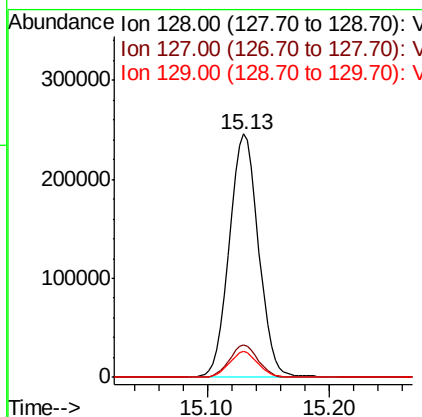
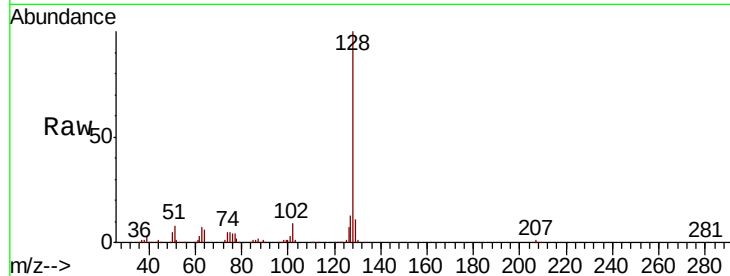
#91
Naphthalene
Concen: 23.583 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.9	14.9
129	10.5	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:54 AM



#92
1,2,3-Trichlorobenzene
Concen: 22.331 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	0.0	189.8
145	31.9	0.0	65.0

