

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054168.D
 Acq On : 12 Mar 2019 17:23
 Operator : JC/SP
 Sample : VN0312WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:32 AM

Quant Time: Mar 13 07:52:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1462878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2230261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1948259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	924059	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	773935	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	709483	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.09	98	2577486	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	888008	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	297436	21.453	ug/l	100
3) Chloromethane	2.06	50	287861	21.375	ug/l	100
4) Vinyl Chloride	2.18	62	311492	20.236	ug/l	100
5) Bromomethane	2.57	94	217377	20.390	ug/l	96
6) Chloroethane	2.71	64	183204	19.671	ug/l	100
7) Trichlorofluoromethane	3.02	101	403466	19.715	ug/l	100
8) Diethyl Ether	3.41	74	198782	21.315	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	327824	21.376	ug/l	98
10) Methyl Iodide	3.94	142	378412	18.352	ug/l	98
11) Tert butyl alcohol	4.82	59	110531	103.780	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	324618	21.360	ug/l	98
13) Acrolein	3.61	56	50342	49.882	ug/l	97
14) Allyl chloride	4.31	41	404249	20.732	ug/l	98
15) Acrylonitrile	4.99	53	459334	104.993	ug/l	99
16) Acetone	3.82	43	393724	88.512	ug/l	99
17) Carbon Disulfide	4.04	76	788450	20.695	ug/l	99
18) Methyl Acetate	4.33	43	193281	21.477	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	807362	21.432	ug/l	100
20) Methylene Chloride	4.54	84	305930	20.945	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	305333	20.969	ug/l	97
22) Diisopropyl ether	5.96	45	807351	20.746	ug/l	99
23) Vinyl Acetate	5.90	43	2985582	104.050	ug/l	100
24) 1,1-Dichloroethane	5.85	63	520457	20.828	ug/l	99
25) 2-Butanone	6.85	43	530372	101.587	ug/l	99
26) 2,2-Dichloropropane	6.82	77	443512	20.183	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	347094	21.366	ug/l	98
28) Bromochloromethane	7.19	49	206072	20.173	ug/l	97
29) Tetrahydrofuran	7.22	42	344015	102.482	ug/l	99
30) Chloroform	7.37	83	552261	21.180	ug/l	99
31) Cyclohexane	7.65	56	483541	19.961	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	488301	20.736	ug/l	99
36) 1,1-Dichloropropene	7.79	75	418656	20.384	ug/l	99
37) Ethyl Acetate	6.94	43	238306	20.193	ug/l	98
38) Carbon Tetrachloride	7.77	117	427031	19.826	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054168.D
 Acq On : 12 Mar 2019 17:23
 Operator : JC/SP
 Sample : VN0312WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0312WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:32 AM

Quant Time: Mar 13 07:52:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	515568	20.402	ug/l	99
40) Benzene	8.04	78	1207882	20.551	ug/l	99
41) Methacrylonitrile	7.17	41	115838	17.191	ug/l	87
42) 1,2-Dichloroethane	8.13	62	407675	20.545	ug/l	99
43) Isopropyl Acetate	8.17	43	414267	19.999	ug/l	100
44) Trichloroethene	8.84	130	380018	20.814	ug/l	100
45) 1,2-Dichloropropane	9.12	63	301397	20.652	ug/l	98
46) Dibromomethane	9.21	93	202602	20.547	ug/l	99
47) Bromodichloromethane	9.40	83	404476	20.461	ug/l	98
48) Methyl methacrylate	9.20	41	216115	20.558	ug/l	99
49) 1,4-Dioxane	9.21	88	58722	394.914	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1106489	100.936	ug/l	100
52) Toluene	10.16	92	775034	20.797	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	398774	18.923	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	468105	20.321	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	283135	20.807	ug/l	98
56) Ethyl methacrylate	10.43	69	324528	20.002	ug/l	99
57) 1,3-Dichloropropane	10.71	76	460096	20.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	599168	96.218	ug/l	99
59) 2-Hexanone	10.75	43	707313	96.968	ug/l	99
60) Dibromochloromethane	10.90	129	306905	20.038	ug/l	100
61) 1,2-Dibromoethane	11.01	107	287158	20.766	ug/l	100
64) Tetrachloroethene	10.63	164	392930	20.860	ug/l	99
65) Chlorobenzene	11.44	112	889655	20.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	320044	20.594	ug/l	99
67) Ethyl Benzene	11.51	91	1451416	20.468	ug/l	99
68) m/p-Xylenes	11.62	106	1140033	41.133	ug/l	99
69) o-Xylene	11.95	106	563615	20.860	ug/l	99
70) Styrene	11.96	104	879313	20.751	ug/l	100
71) Bromoform	12.13	173	201408	18.553	ug/l #	99
73) Isopropylbenzene	12.25	105	1492754	20.191	ug/l	100
74) N-amyl acetate	12.07	43	319332	19.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	311995	19.808	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	265064m	19.506	ug/l	
77) Bromobenzene	12.53	156	393705	20.125	ug/l	98
78) n-propylbenzene	12.59	91	1633686	20.365	ug/l	100
79) 2-Chlorotoluene	12.67	91	972111	20.154	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1234635	20.077	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	71052	17.874	ug/l	95
82) 4-Chlorotoluene	12.77	91	971053	20.162	ug/l	100
83) tert-Butylbenzene	12.99	119	1138905	20.121	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1242502	20.595	ug/l	100
85) sec-Butylbenzene	13.17	105	1492438	20.332	ug/l	99
86) p-Isopropyltoluene	13.29	119	1302626	20.228	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	681180	20.664	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	659108	20.353	ug/l	99
89) n-Butylbenzene	13.62	91	1007069	20.582	ug/l	100
90) Hexachloroethane	13.88	117	198868	18.650	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	667038	20.699	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48524	19.908	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
Data File : VN054168.D
Acq On : 12 Mar 2019 17:23
Operator : JC/SP
Sample : VN0312WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

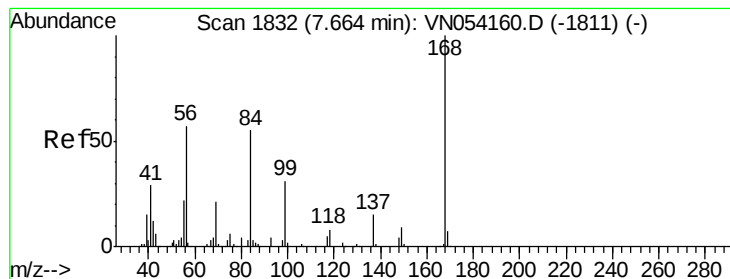
Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM

Quant Time: Mar 13 07:52:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	360378	20.107	ug/l	99
94) Hexachlorobutadiene	15.01	225	256335	20.883	ug/l	100
95) Naphthalene	15.13	128	699947	19.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	366296	21.393	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tgt Ion:168 Resp: 1462878

Ion Ratio Lower Upper

168 100

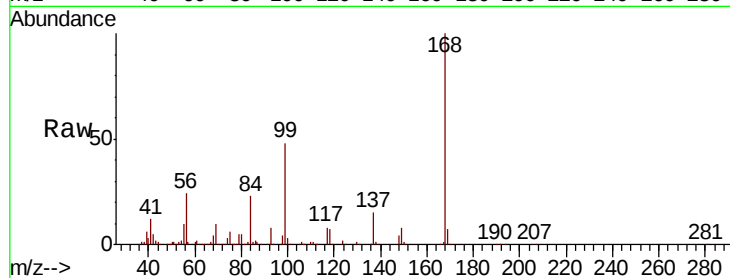
99 47.5 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

3/13/2019 11:49:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

600000

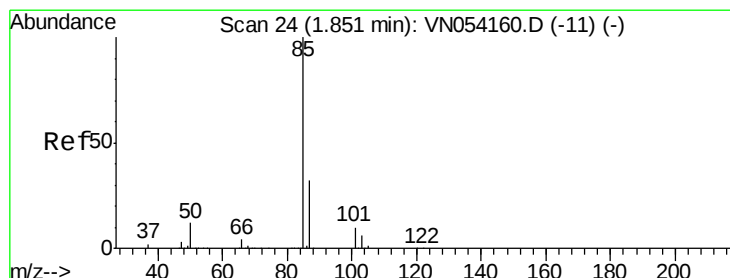
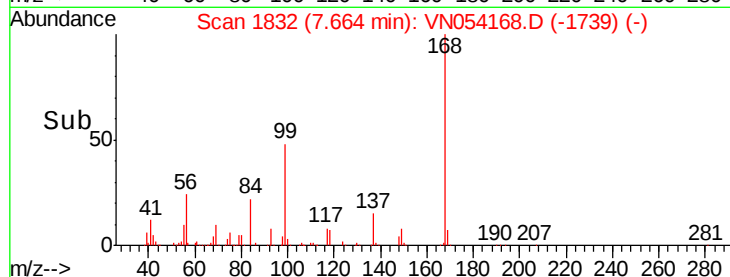
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.453 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054168.D

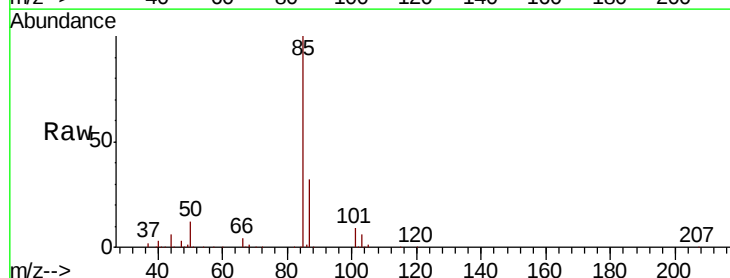
Acq: 12 Mar 2019 17:23

Tgt Ion: 85 Resp: 297436

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

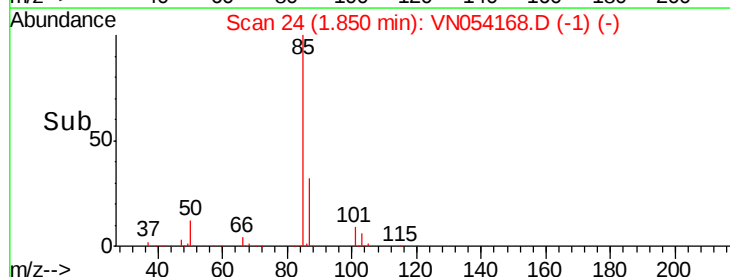
100000

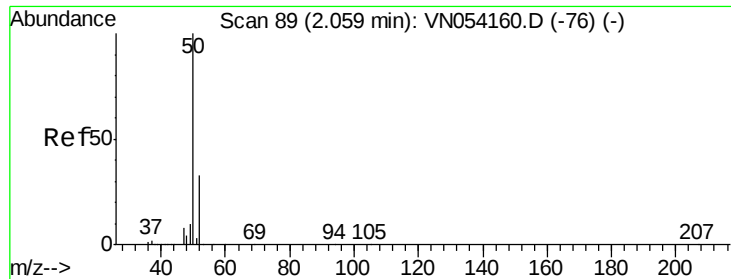
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.375 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tgt Ion: 50 Resp: 287861

Ion Ratio Lower Upper

50 100

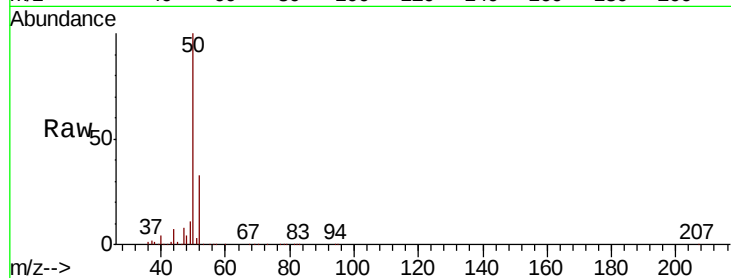
52 33.2 26.4 39.6

Manual Integrations

APPROVED

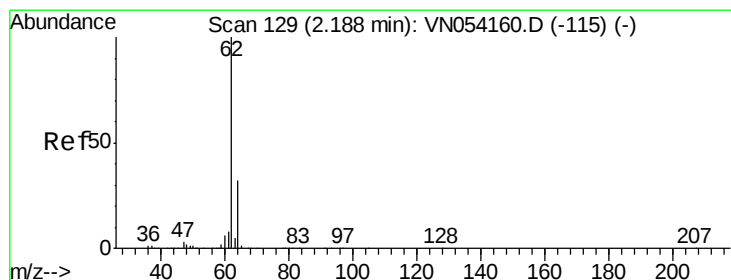
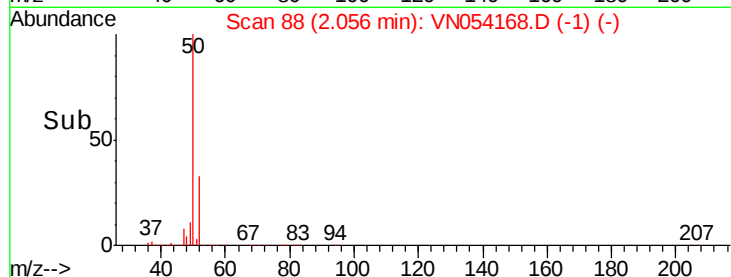
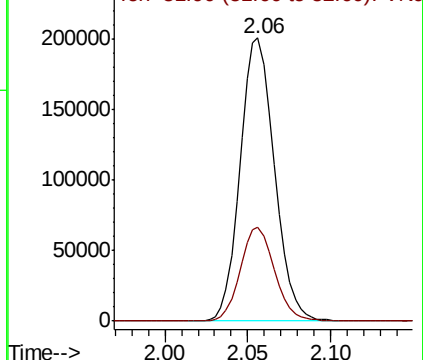
MMDadoda

3/13/2019 11:49:32 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.236 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054168.D

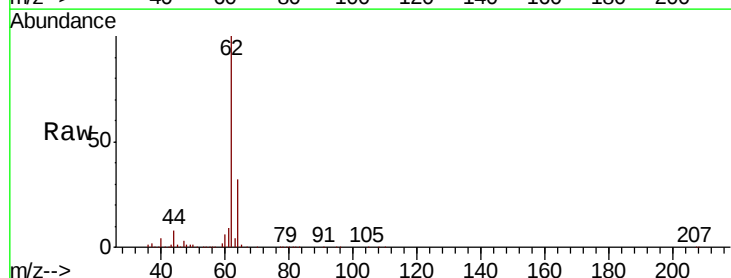
Acq: 12 Mar 2019 17:23

Tgt Ion: 62 Resp: 311492

Ion Ratio Lower Upper

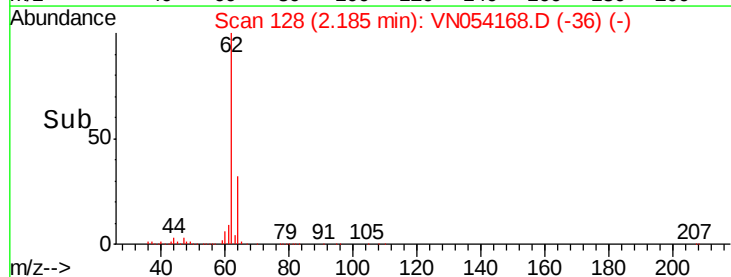
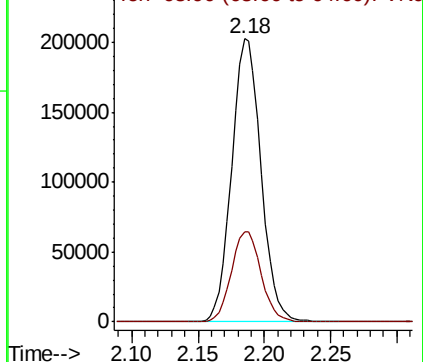
62 100

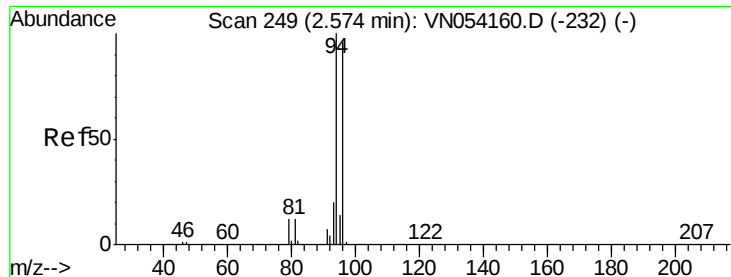
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.390 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

Tgt Ion: 94 Resp: 217377

Ion Ratio Lower Upper

94 100

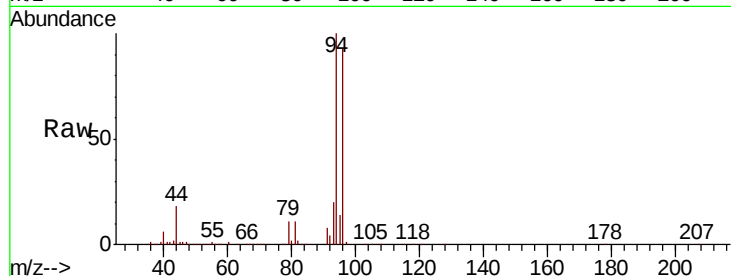
96 92.8 77.0 115.4

Manual Integrations

APPROVED

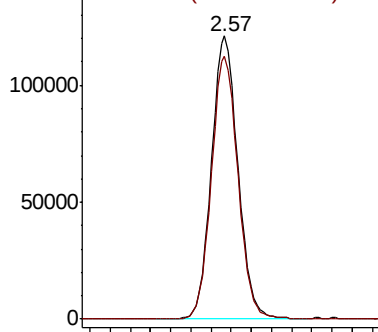
MMDadoda

3/13/2019 11:49:32 AM

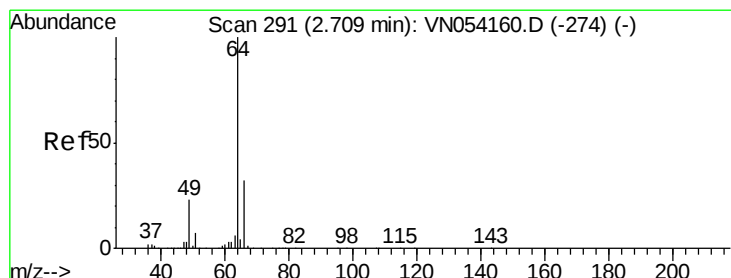
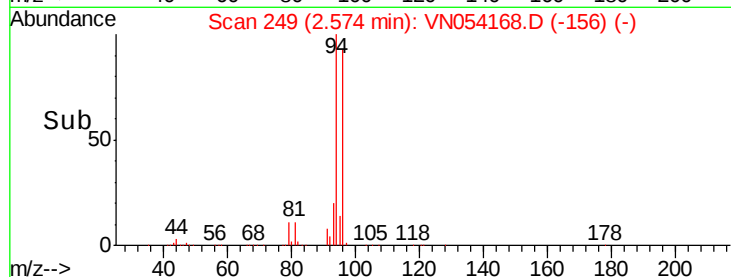


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 19.671 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054168.D

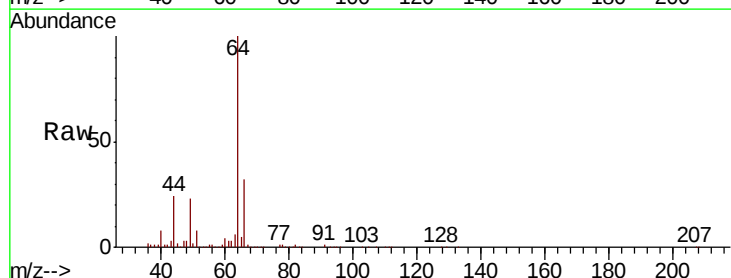
Acq: 12 Mar 2019 17:23

Tgt Ion: 64 Resp: 183204

Ion Ratio Lower Upper

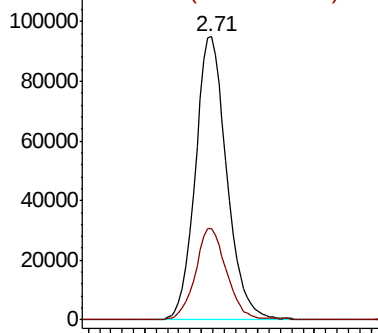
64 100

66 32.2 25.7 38.5

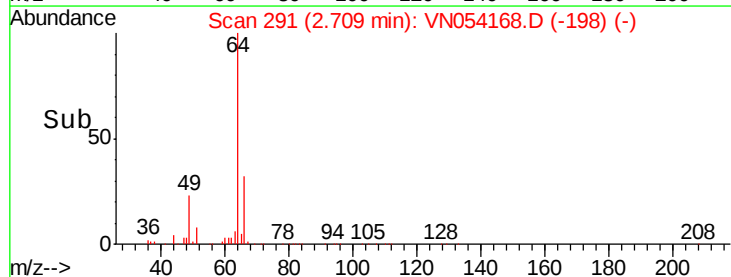


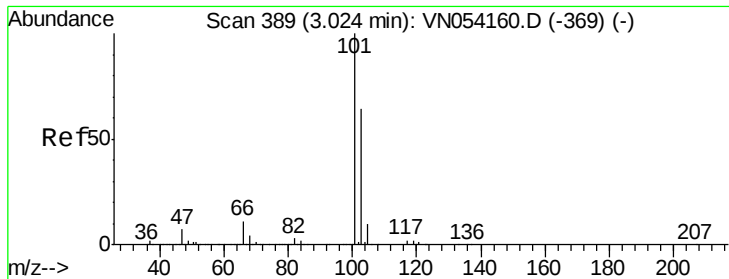
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

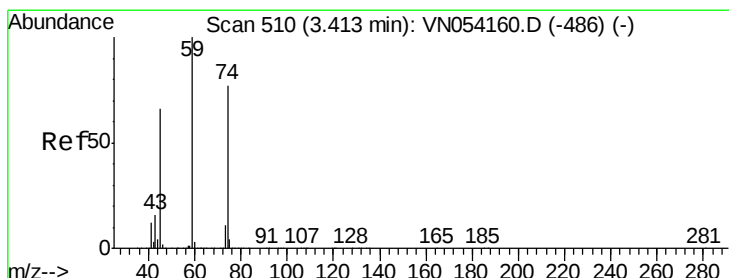
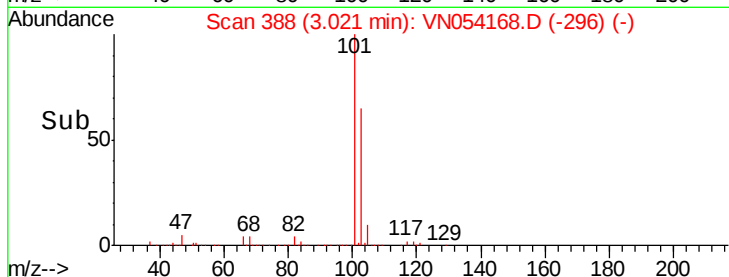
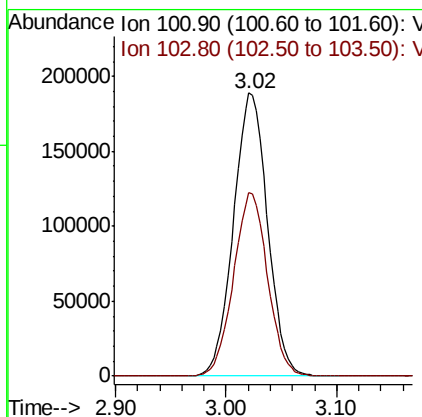
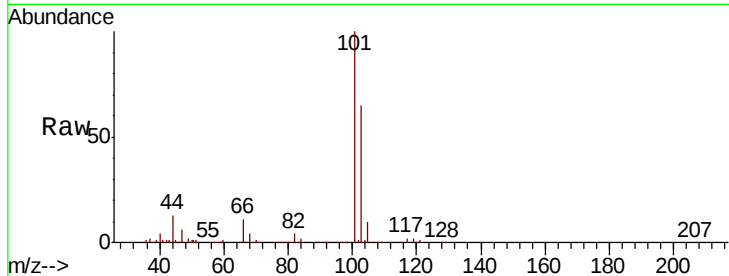
Trichlorofluoromethane
 Concen: 19.715 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.2

Manual Integrations
 APPROVED

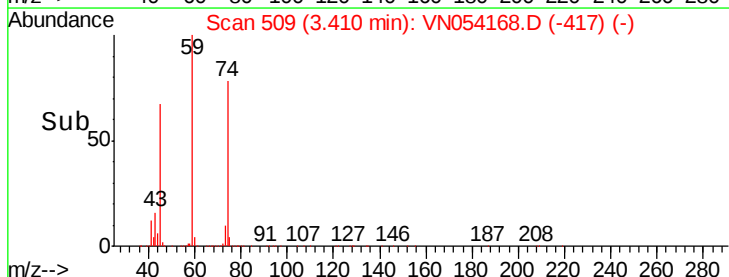
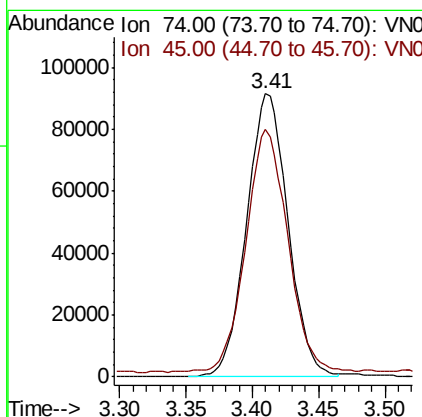
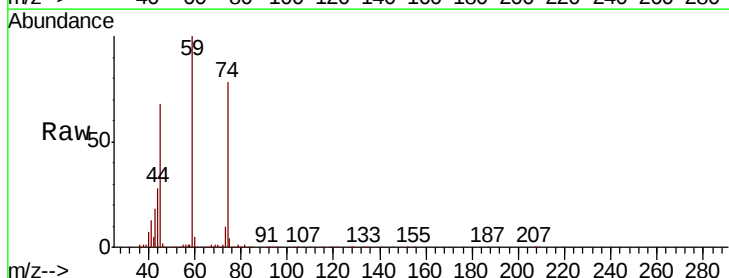
MMDadoda
 3/13/2019 11:49:32 AM

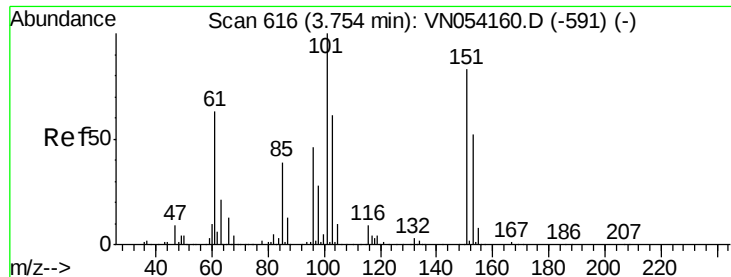


#8

Diethyl Ether
 Concen: 21.315 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.6	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.376 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

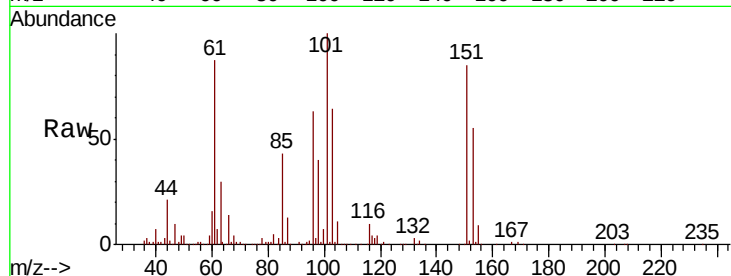
ClientSampleId :

VN0312WBS01

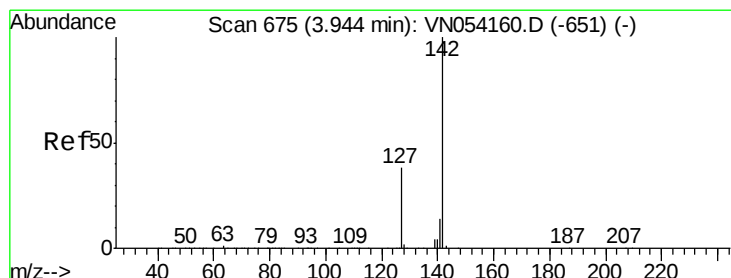
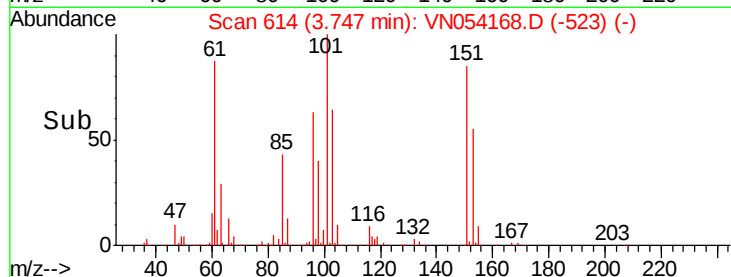
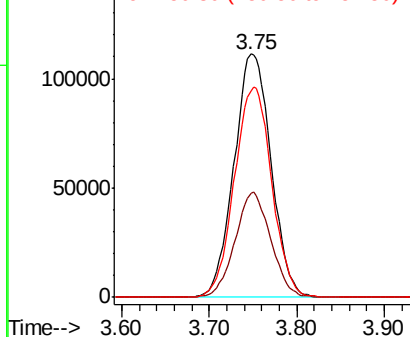
Tgt Ion:	101	Resp:	327824
Ion Ratio	Lower	Upper	
101	100		
85	41.5	32.4	48.6
151	86.8	68.2	102.2

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



Abundance Ion 100.90 (100.60 to 101.60): V
150000 Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.352 ug/l

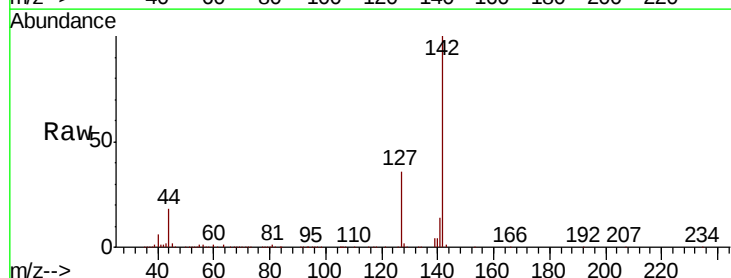
RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

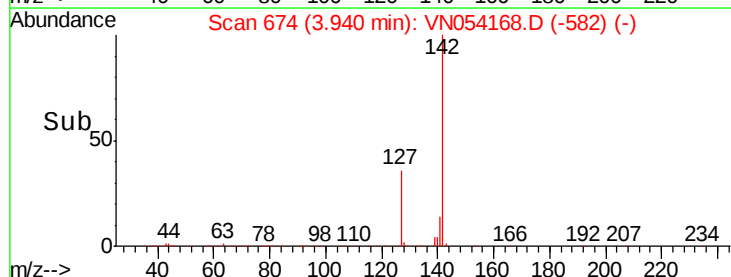
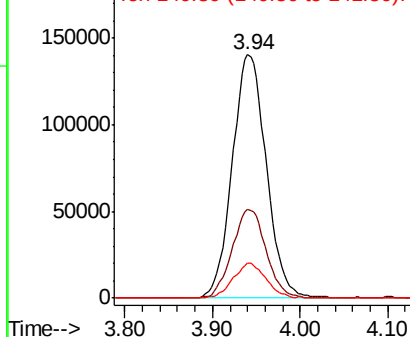
Lab File: VN054168.D

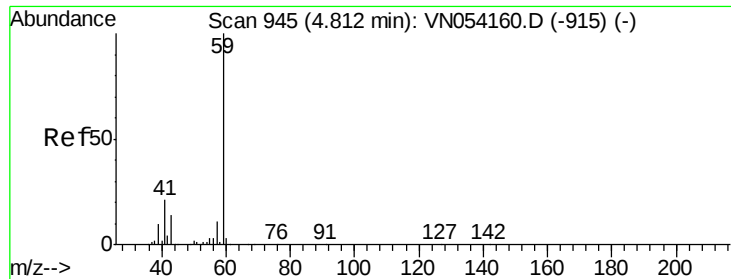
Acq: 12 Mar 2019 17:23

Tgt Ion:	142	Resp:	378412
Ion Ratio	Lower	Upper	
142	100		
127	36.6	30.3	45.5
141	13.9	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
150000 Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

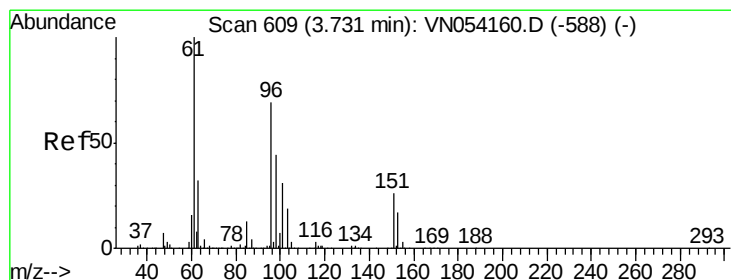
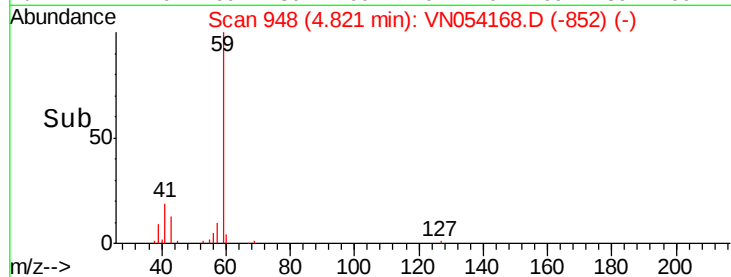
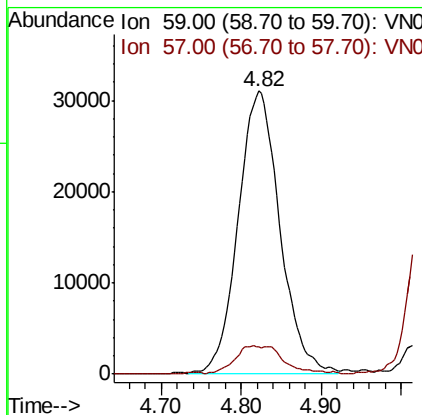
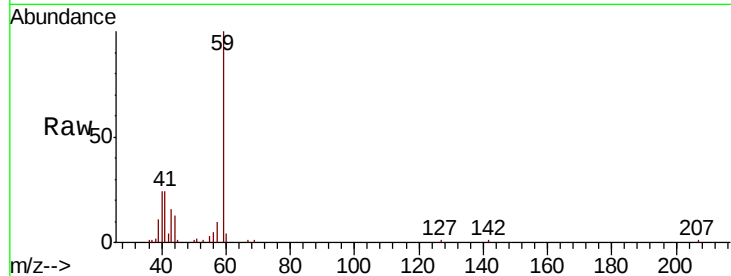
Tert butyl alcohol
 Concen: 103.780 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tgt Ion: 59 Resp: 110531
 Ion Ratio Lower Upper
 59 100
 57 6.2 9.0 13.6#

Manual Integrations
 APPROVED

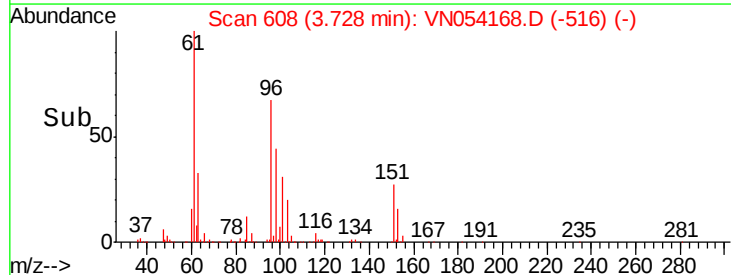
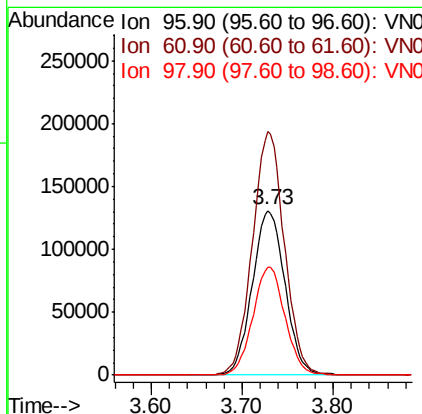
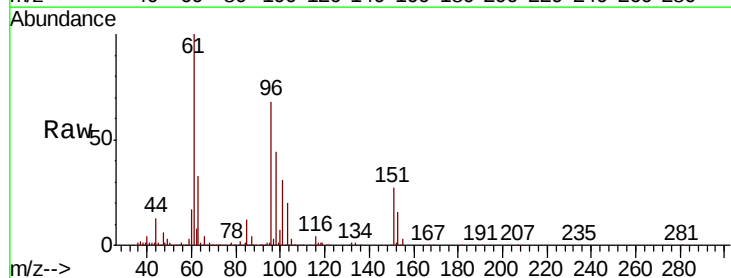
MMDadoda
 3/13/2019 11:49:32 AM

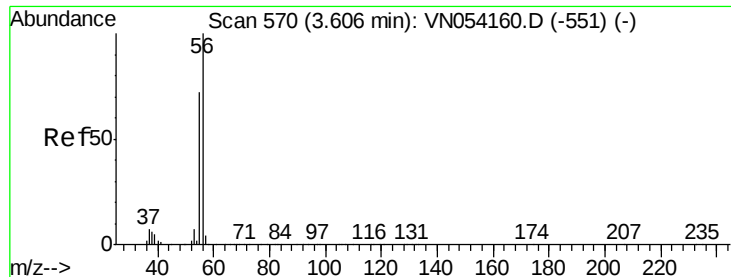


#12

1,1-Dichloroethene
 Concen: 21.360 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion: 96 Resp: 324618
 Ion Ratio Lower Upper
 96 100
 61 148.3 116.5 174.7
 98 65.5 51.0 76.4





#13

Acrolein

Concen: 49.882 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tgt Ion: 56 Resp: 50342

Ion Ratio Lower Upper

56 100

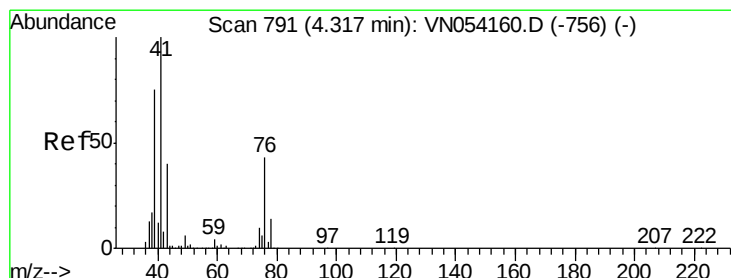
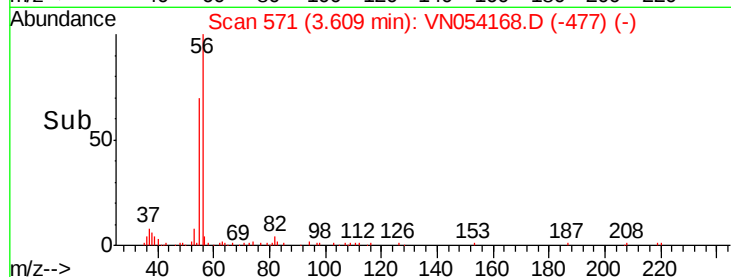
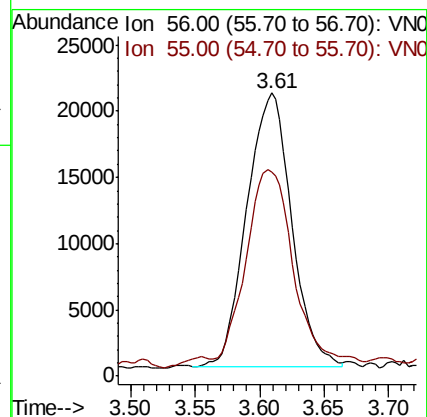
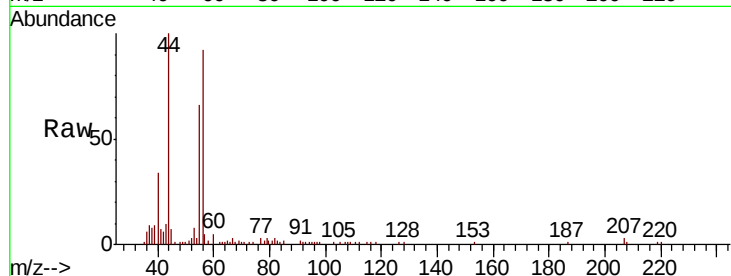
55 73.5 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

3/13/2019 11:49:32 AM



#14

Allyl chloride

Concen: 20.732 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

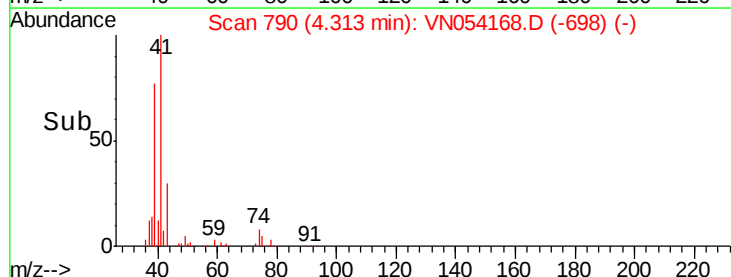
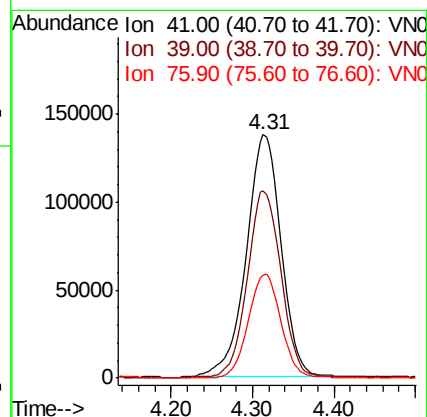
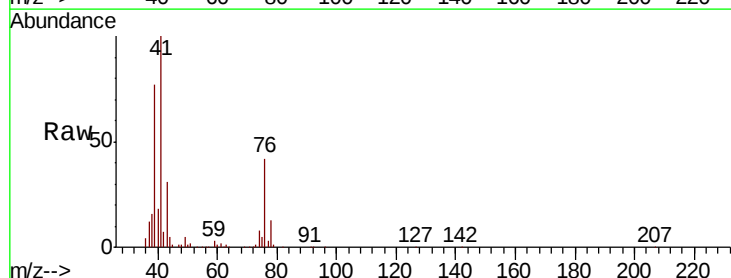
Tgt Ion: 41 Resp: 404249

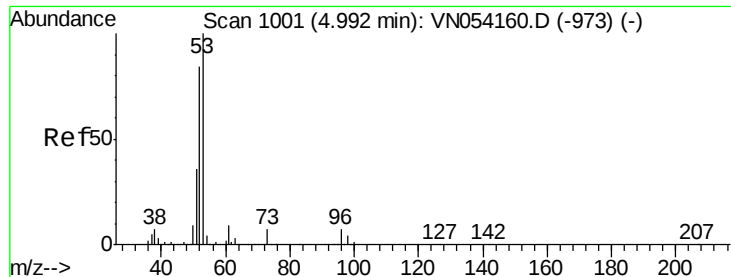
Ion Ratio Lower Upper

41 100

39 74.7 58.2 87.4

76 40.3 31.7 47.5





#15

Acrylonitrile

Concen: 104.993 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

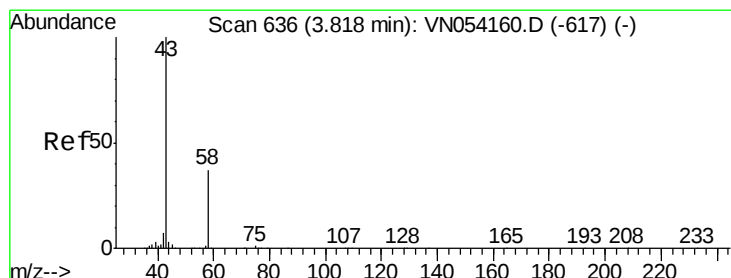
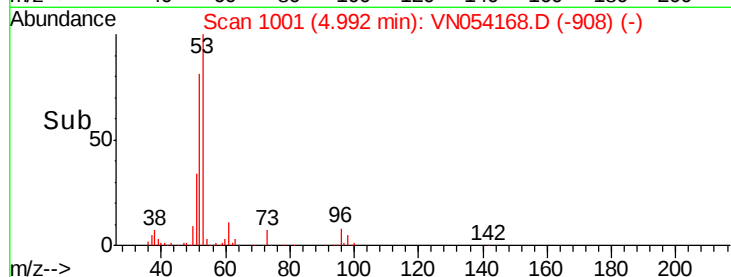
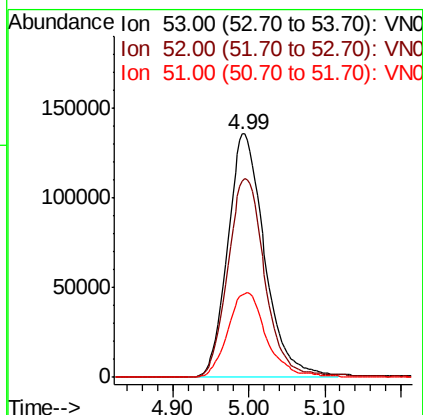
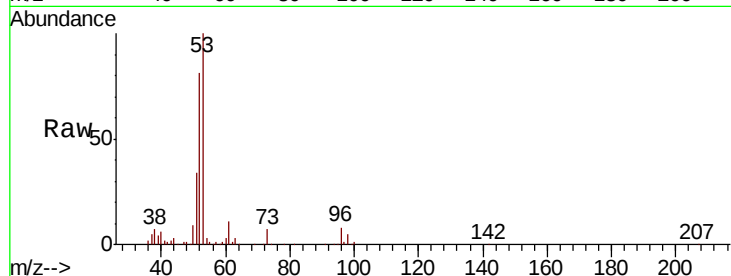
ClientSampleId :

VN0312WBS01

Tgt Ion:	53	Resp:	459334
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.4	99.6
51	36.5	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#16

Acetone

Concen: 88.512 ug/l

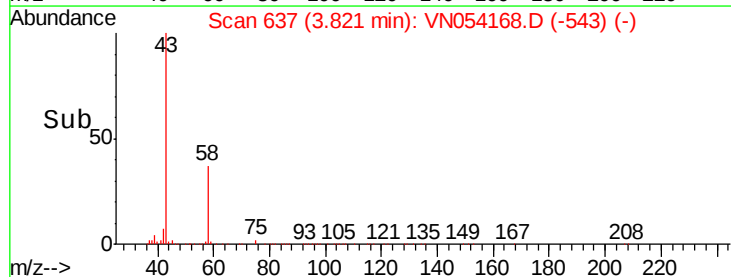
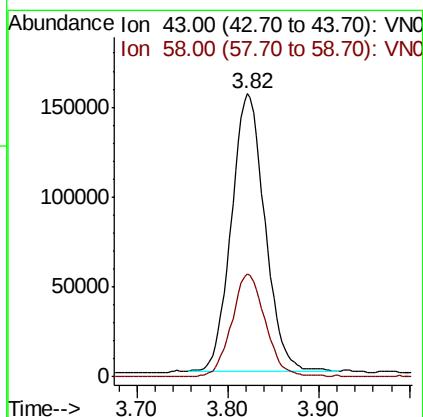
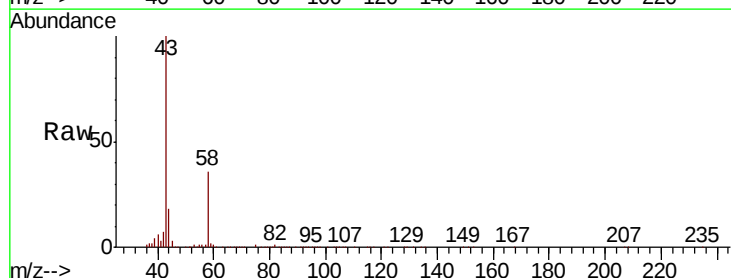
RT: 3.82 min Scan# 637

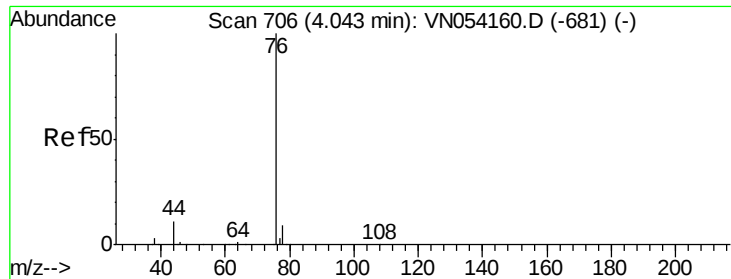
Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Tgt Ion:	43	Resp:	393724
Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.9	44.9





#17

Carbon Disulfide

Concen: 20.695 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tgt Ion: 76 Resp: 788450

Ion Ratio Lower Upper

76 100

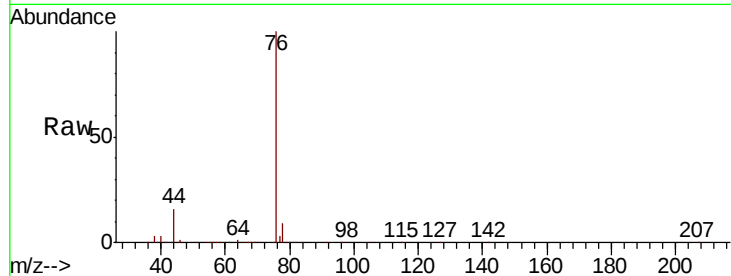
78 9.2 7.5 11.3

Manual Integrations

APPROVED

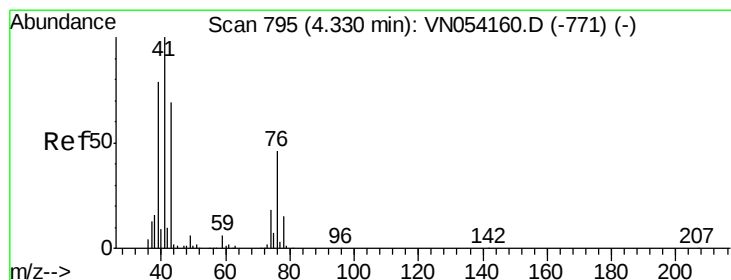
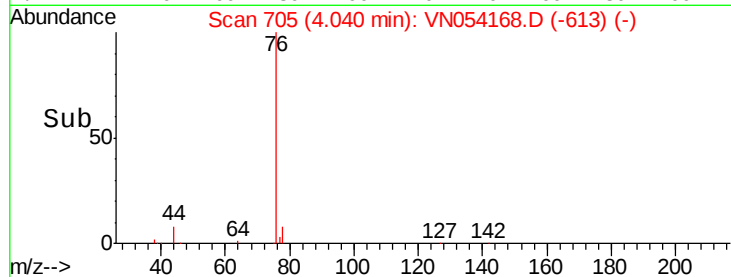
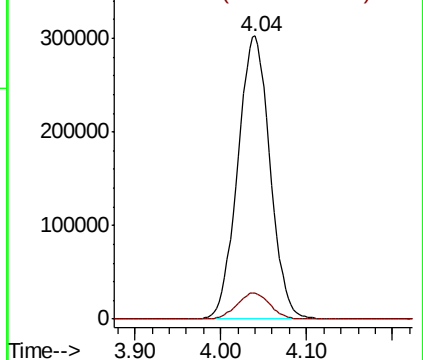
MMDadoda

3/13/2019 11:49:32 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.477 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054168.D

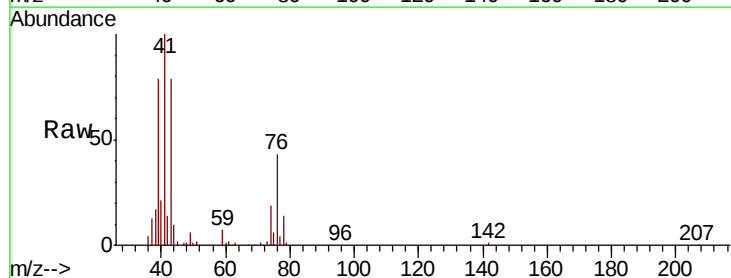
Acq: 12 Mar 2019 17:23

Tgt Ion: 43 Resp: 193281

Ion Ratio Lower Upper

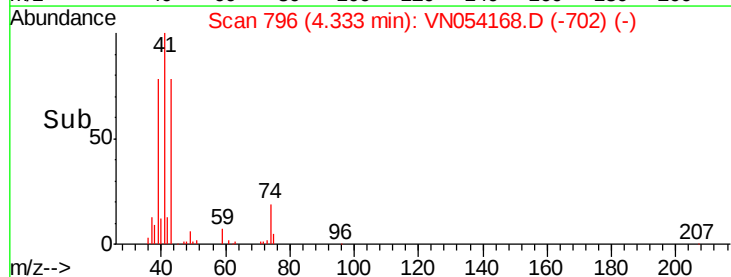
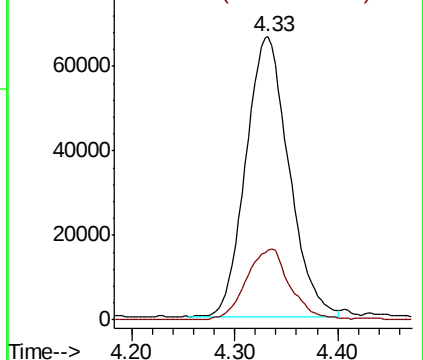
43 100

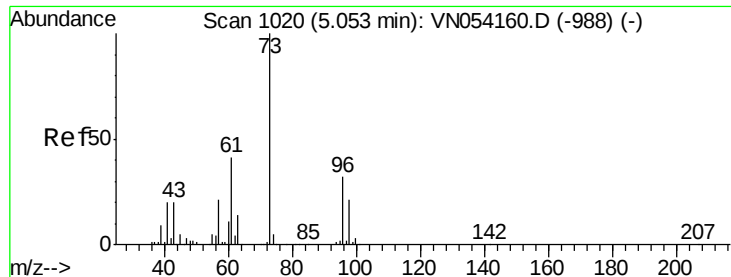
74 25.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





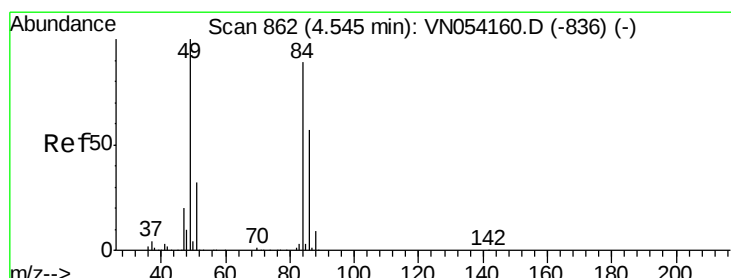
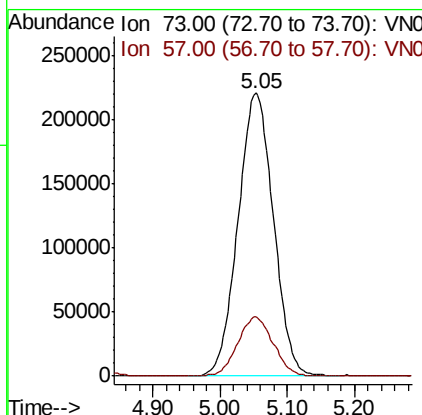
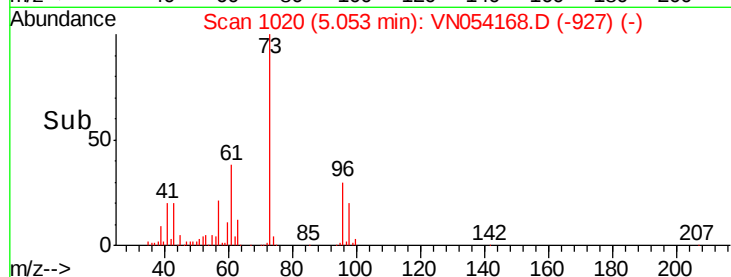
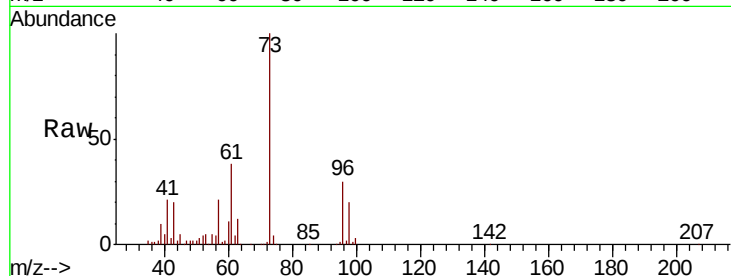
#19
Methyl tert-butyl Ether
Concen: 21.432 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion: 73 Resp: 807362
Ion Ratio Lower Upper
73 100
57 20.8 16.8 25.2

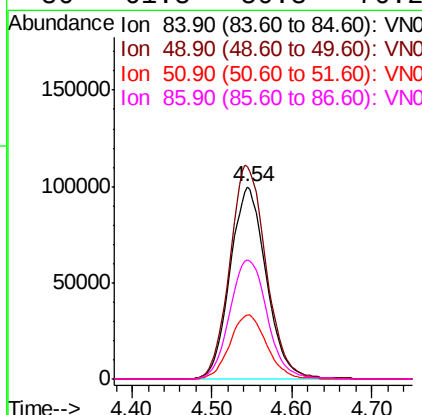
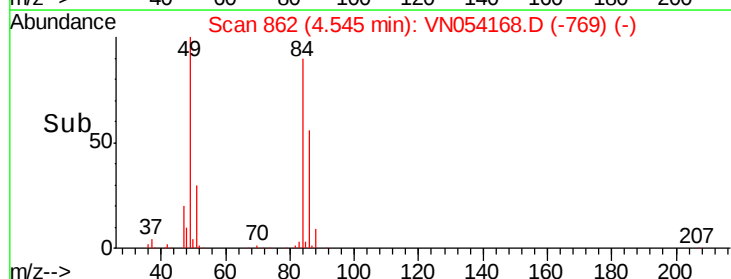
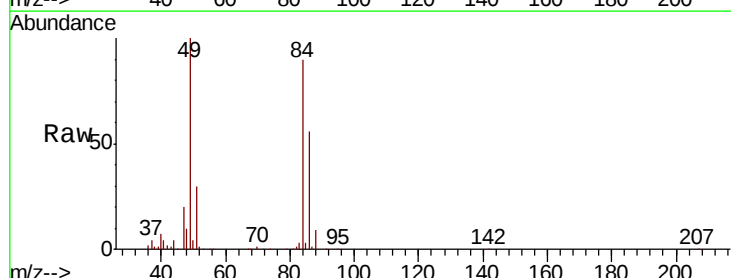
Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#20
Methylene Chloride
Concen: 20.945 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 84 Resp: 305930
Ion Ratio Lower Upper
84 100
49 110.7 89.7 134.5
51 33.6 28.2 42.4
86 61.8 50.8 76.2





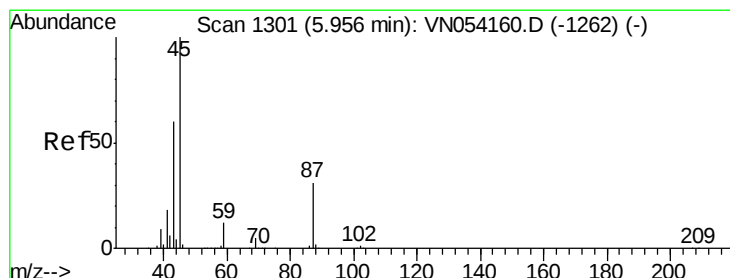
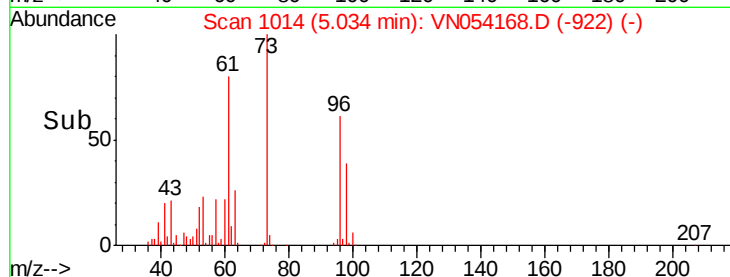
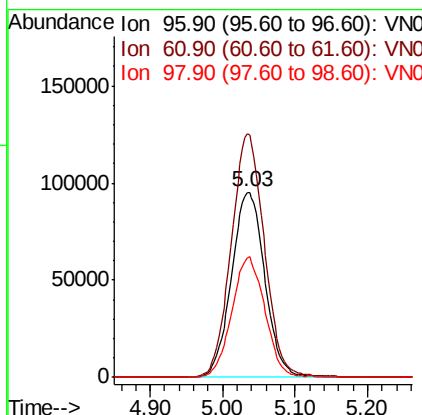
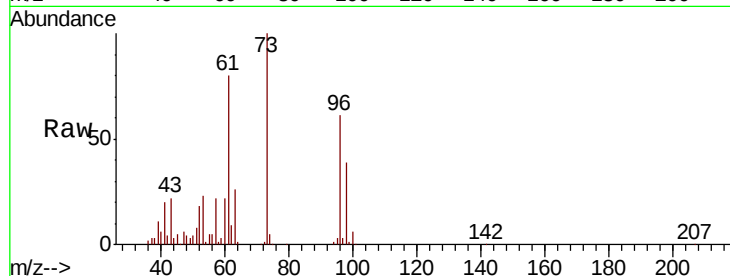
#21
trans-1,2-Dichloroethene
Concen: 20.969 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.6	102.8	154.2
98	64.9	50.0	75.0

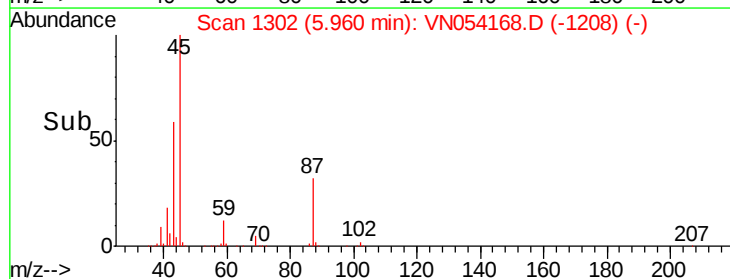
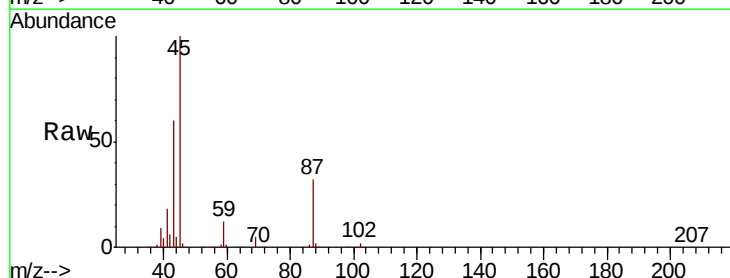
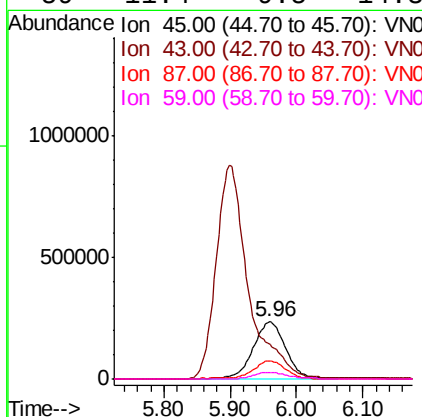
Manual Integrations
APPROVED

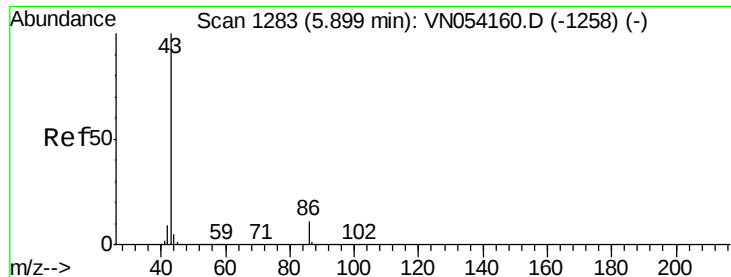
MMDadoda
3/13/2019 11:49:32 AM



#22
Diisopropyl ether
Concen: 20.746 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	48.2	72.2
87	31.2	24.9	37.3
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 104.050 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tgt Ion: 43 Resp: 2985582

Ion Ratio Lower Upper

43 100

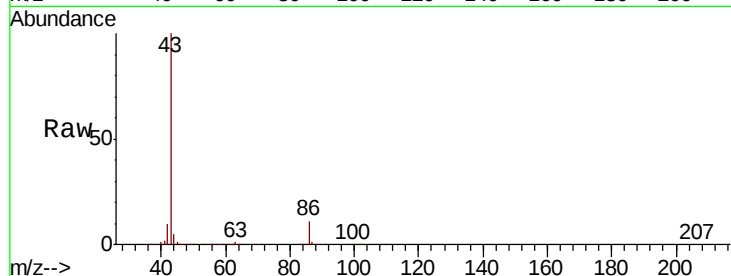
86 11.3 9.1 13.7

Manual Integrations

APPROVED

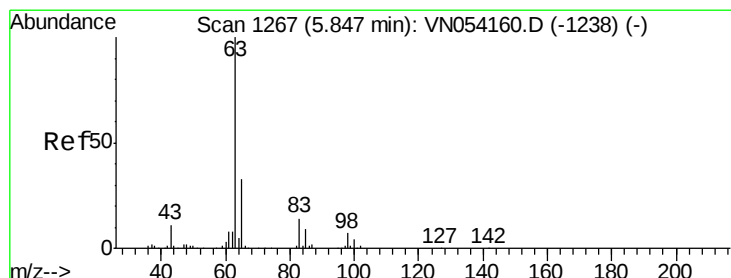
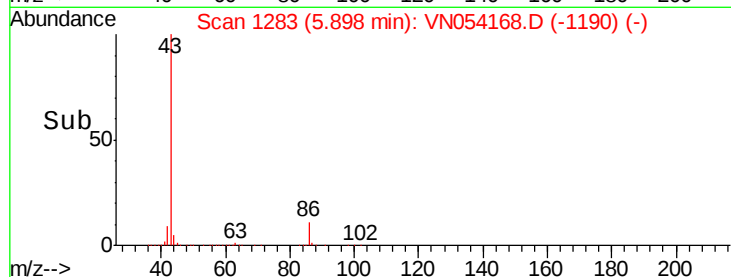
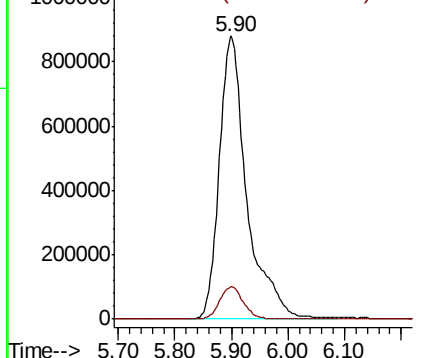
MMDadoda

3/13/2019 11:49:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.828 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

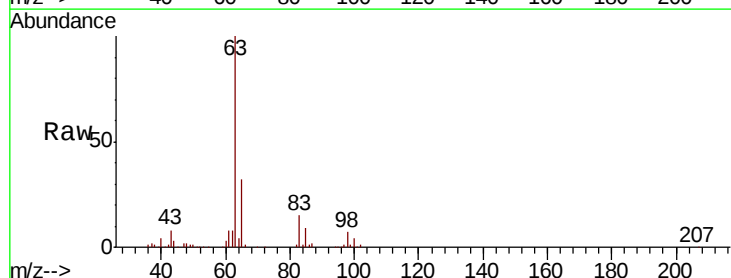
Tgt Ion: 63 Resp: 520457

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

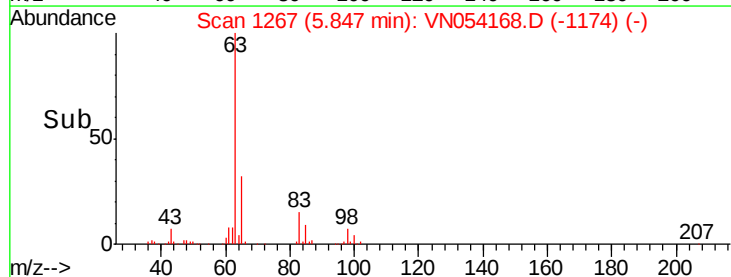
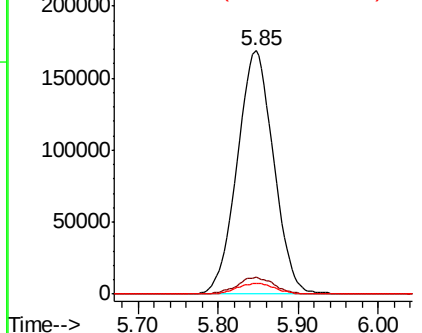
100 4.5 2.0 6.0

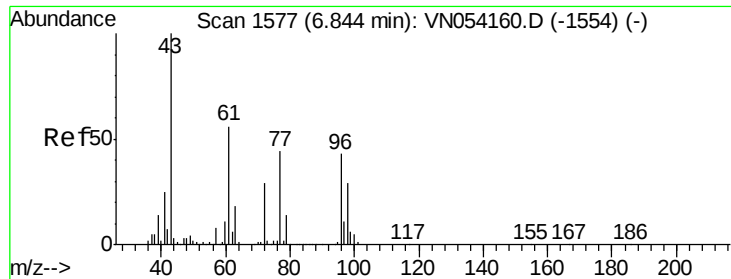


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





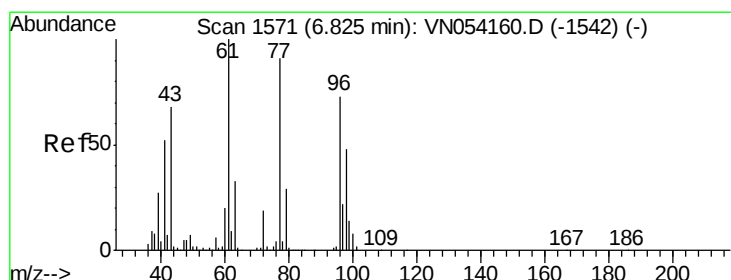
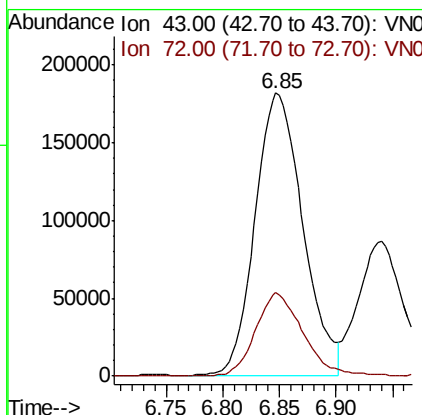
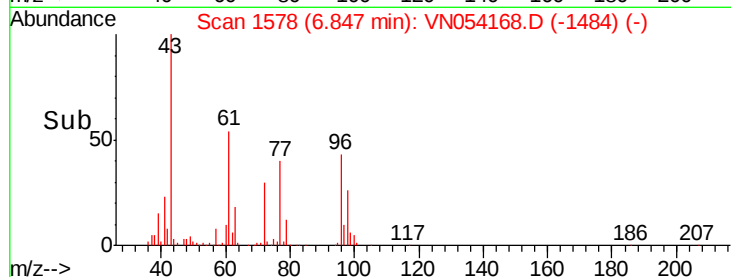
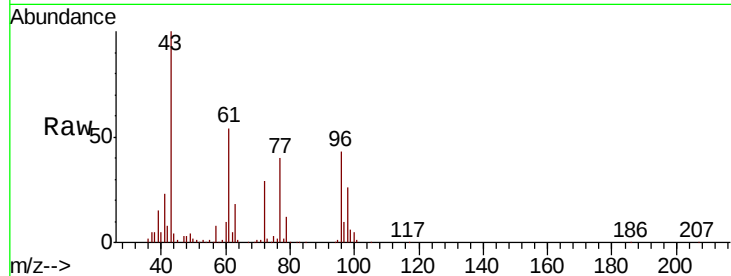
#25
2-Butanone
Concen: 101.587 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion: 43 Resp: 530372
Ion Ratio Lower Upper
43 100
72 29.5 23.0 34.6

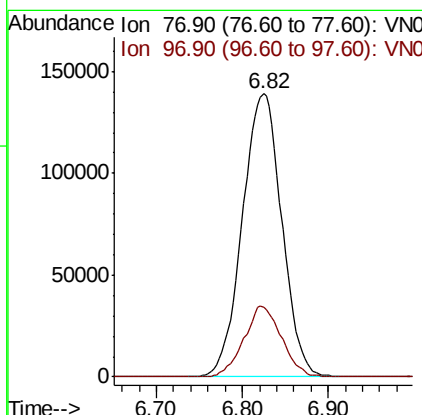
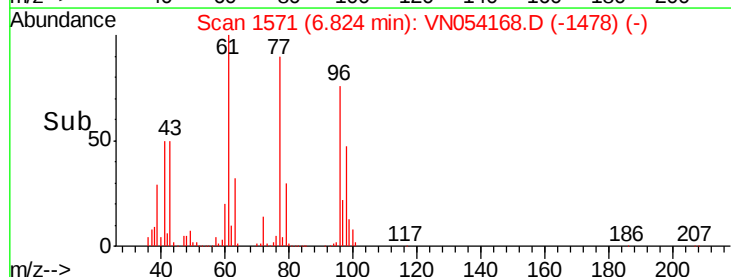
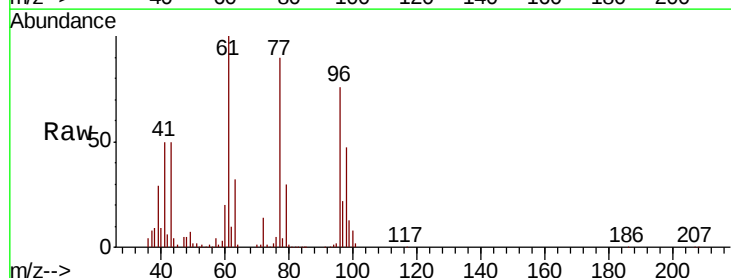
Manual Integrations
APPROVED

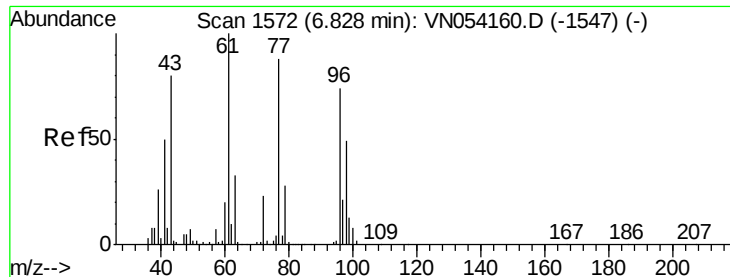
MMDadoda
3/13/2019 11:49:32 AM



#26
2,2-Dichloropropane
Concen: 20.183 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 77 Resp: 443512
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.366 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

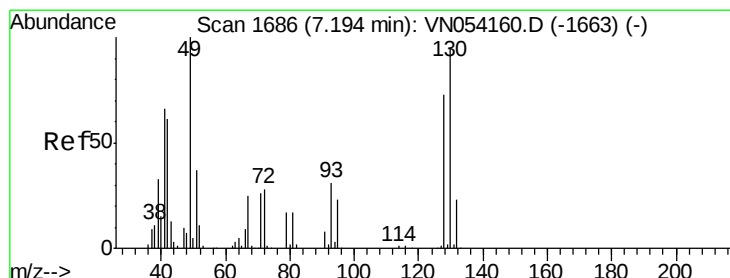
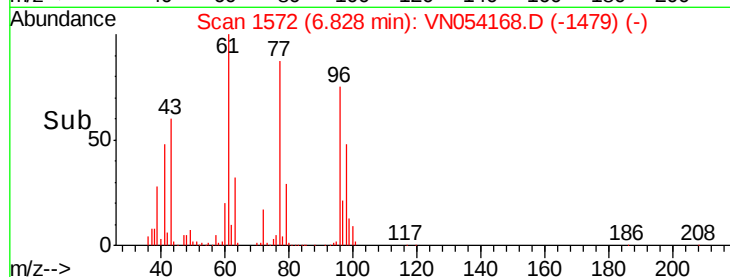
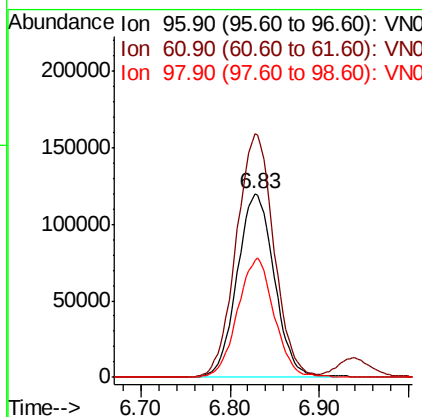
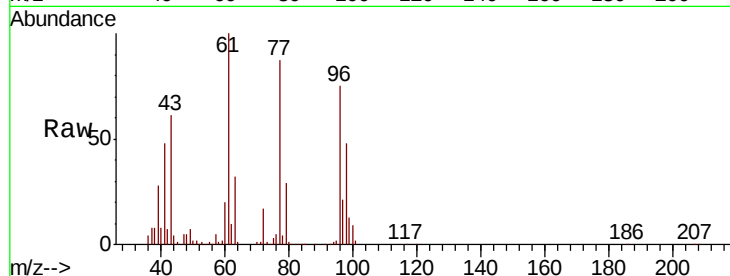
ClientSampleId :

VN0312WBS01

Tgt Ion:	96	Resp:	347094
Ion Ratio	Lower	Upper	
96	100		
61	134.4	0.0	273.0
98	63.8	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#28

Bromochloromethane

Concen: 20.173 ug/l

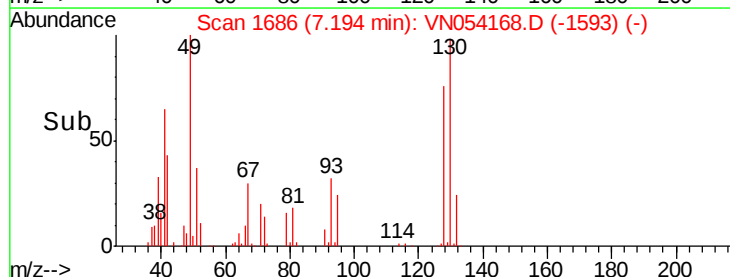
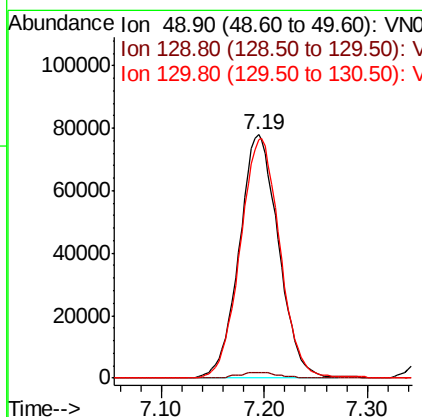
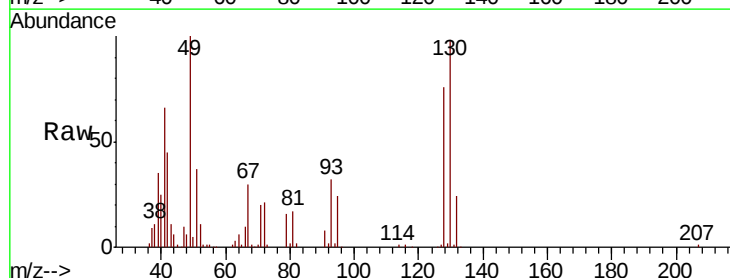
RT: 7.19 min Scan# 1686

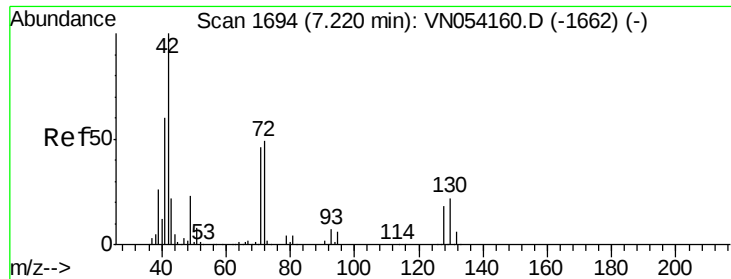
Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Tgt Ion:	49	Resp:	206072
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.6
130	99.4	76.7	115.1





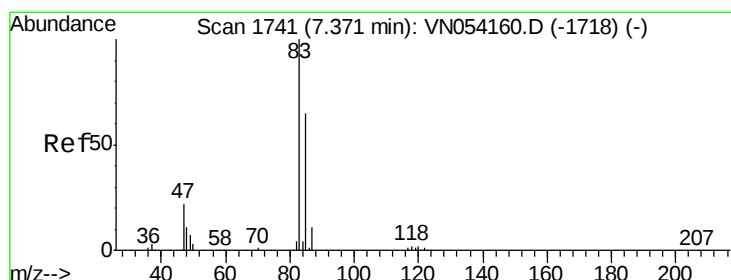
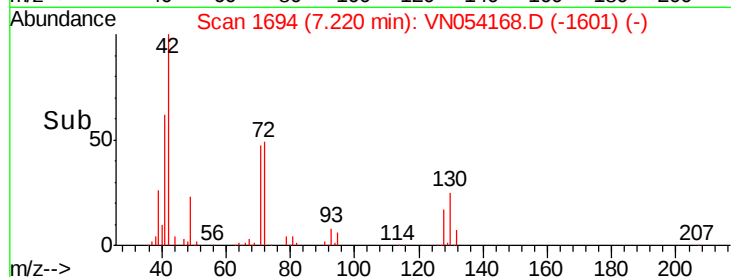
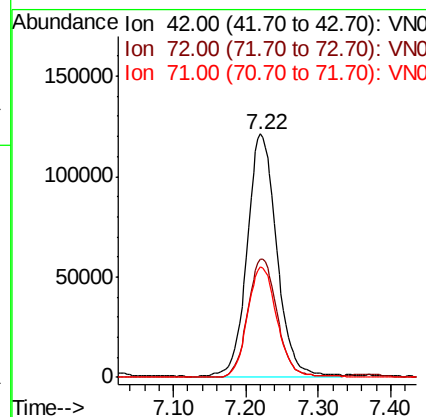
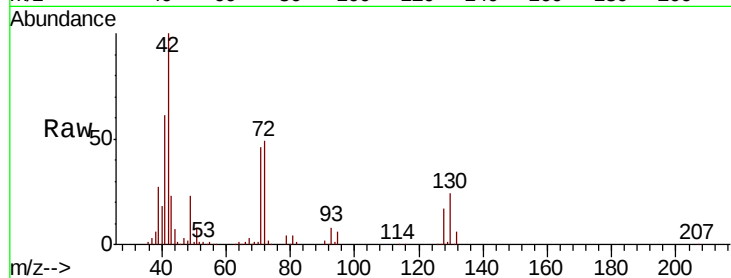
#29
Tetrahydrofuran
Concen: 102.482 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.2	37.8	56.6
71	45.4	36.2	54.2

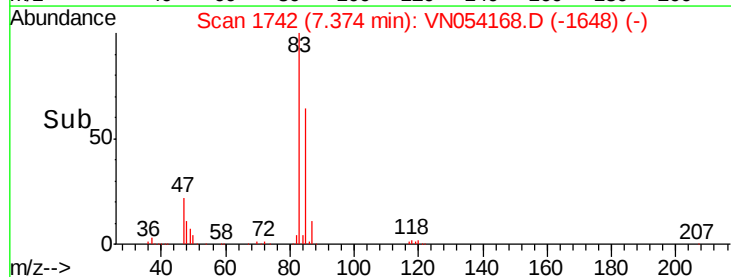
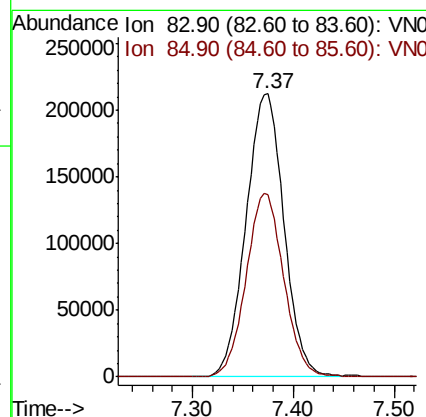
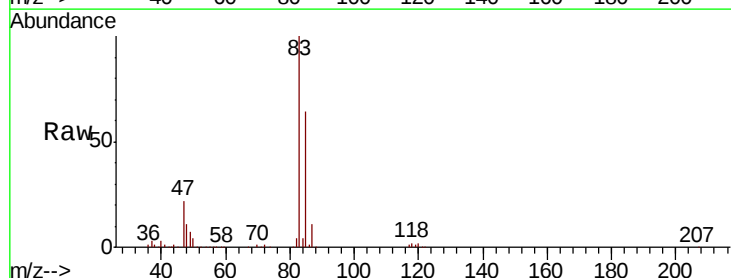
Manual Integrations
APPROVED

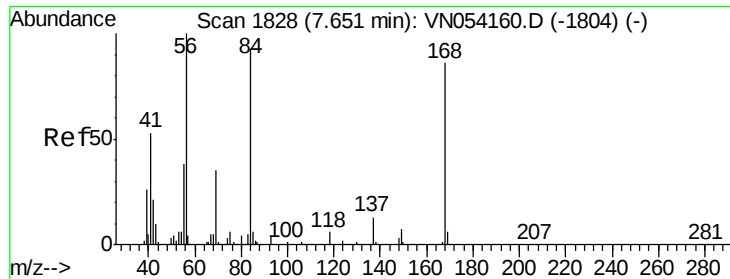
MMDadoda
3/13/2019 11:49:32 AM



#30
Chloroform
Concen: 21.180 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.4





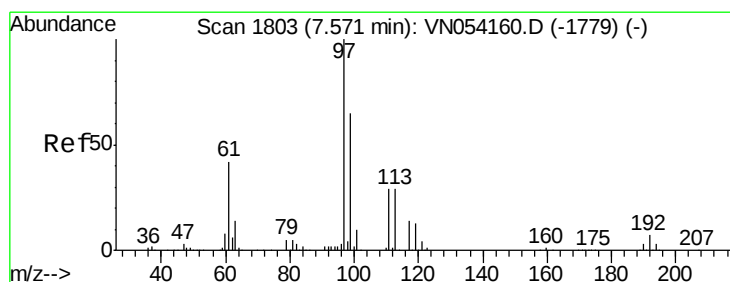
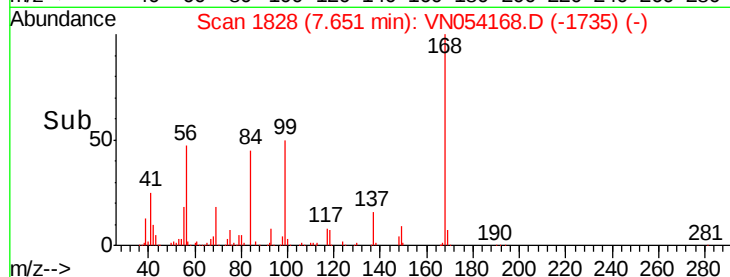
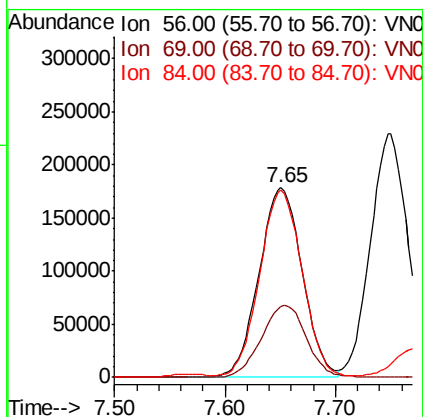
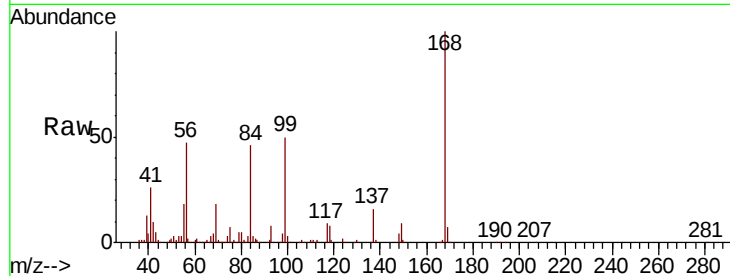
#31
Cyclohexane
Concen: 19.961 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.8	27.8	41.6
84	97.6	74.6	111.8

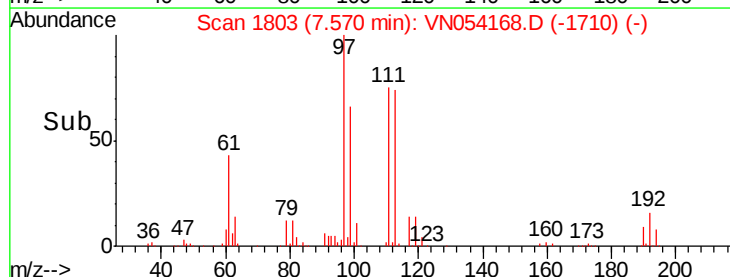
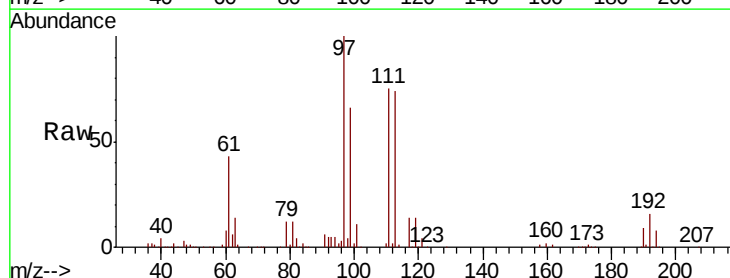
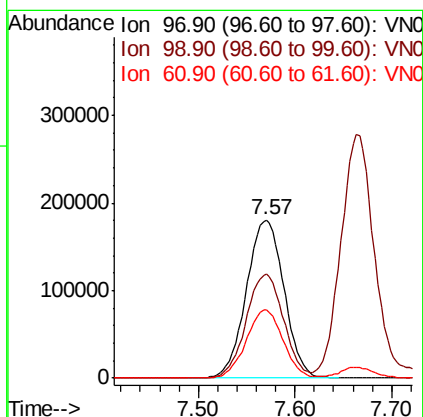
Manual Integrations
APPROVED

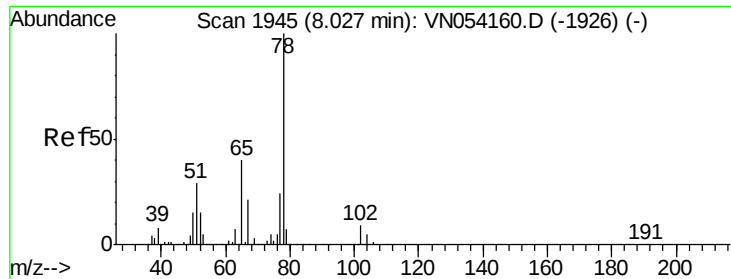
MMDadoda
3/13/2019 11:49:32 AM



#32
1,1,1-Trichloroethane
Concen: 20.736 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.5	77.3
61	42.3	33.6	50.4





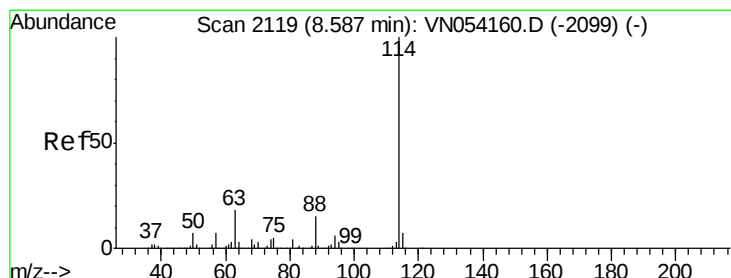
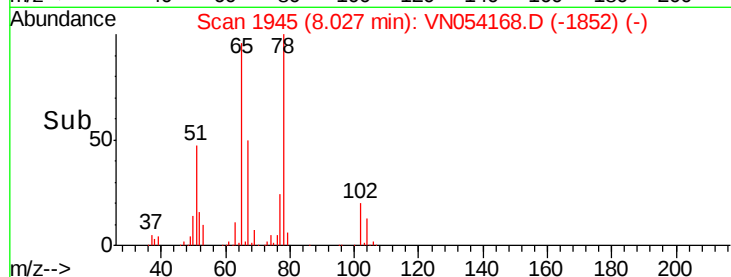
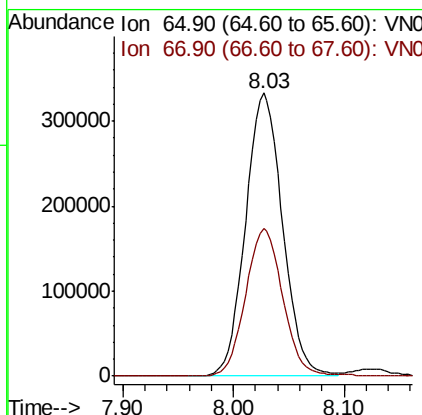
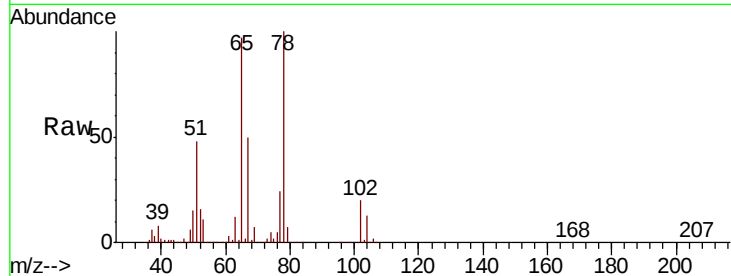
#33
 1,2-Dichloroethane-d4
 Concen: 49.816 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	773935		
67	52.3	0.0	104.6	

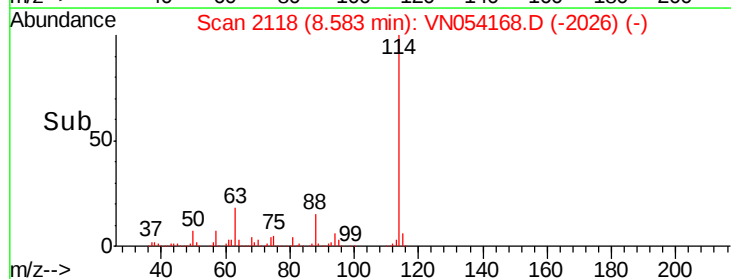
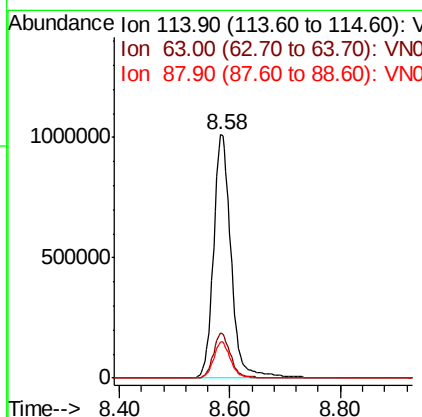
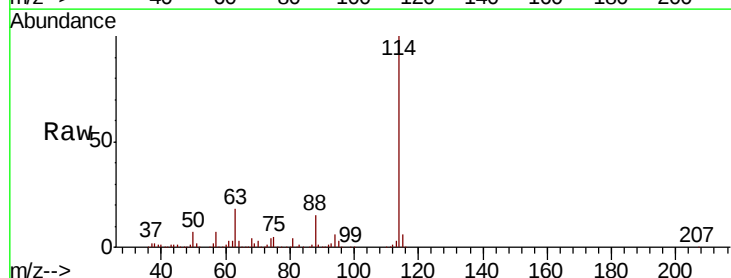
Manual Integrations
 APPROVED

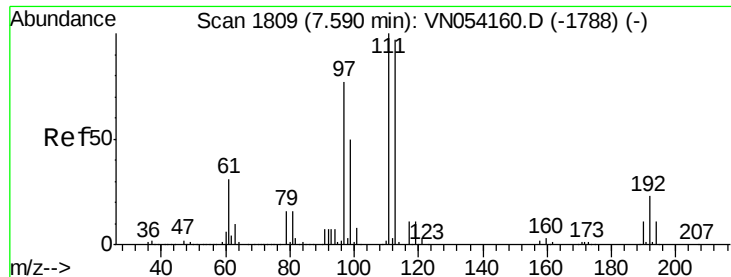
MMDadoda
 3/13/2019 11:49:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2230261		
63	18.5	0.0	35.2	
88	14.8	0.0	30.2	





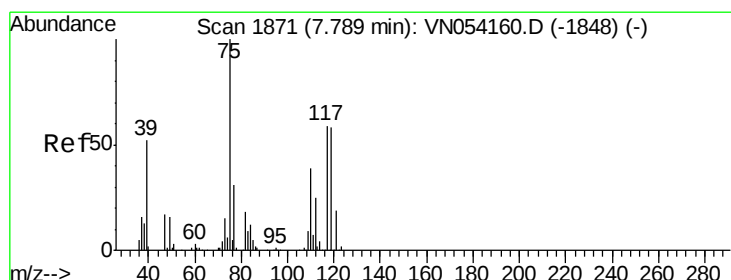
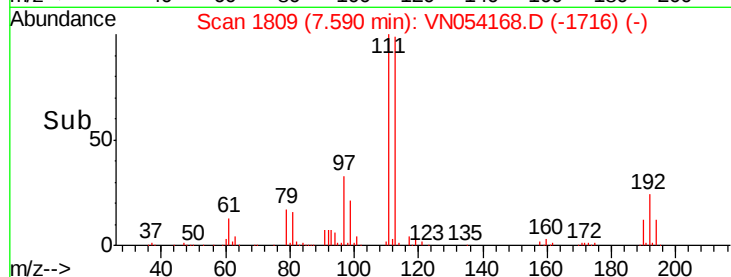
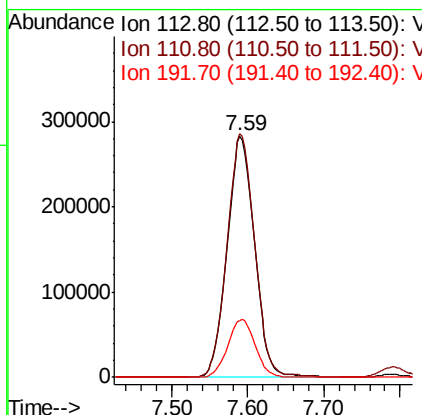
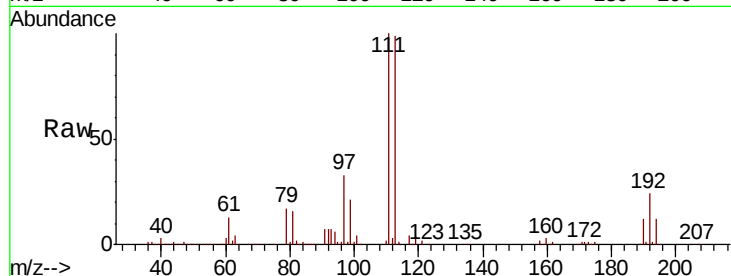
#35
 Dibromofluoromethane
 Concen: 49.324 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	709483		
111	100.8	82.2	123.4	
192	24.1	19.2	28.8	

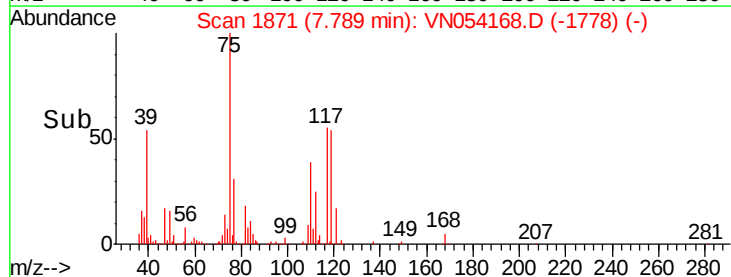
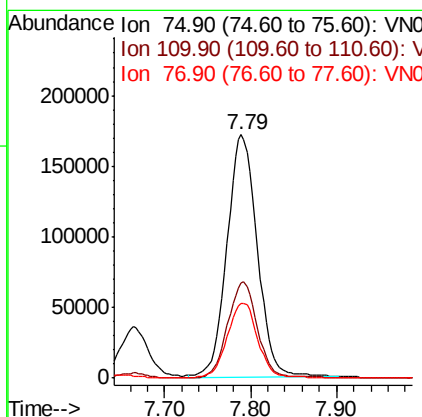
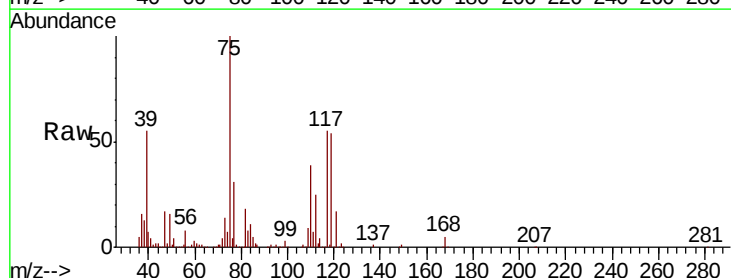
Manual Integrations
 APPROVED

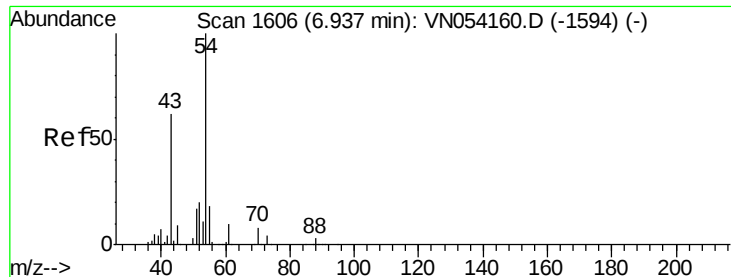
MMDadoda
 3/13/2019 11:49:32 AM



#36
 1,1-Dichloropropene
 Concen: 20.384 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	418656		
110	38.8	19.1	57.5	
77	31.5	25.0	37.4	





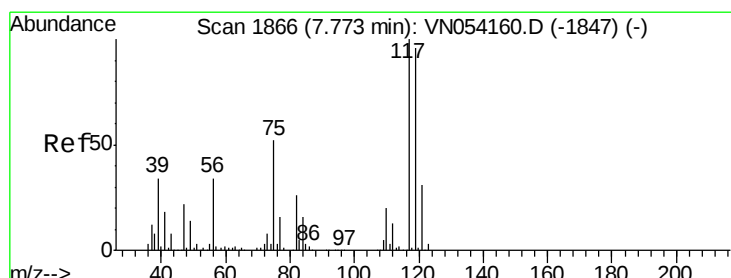
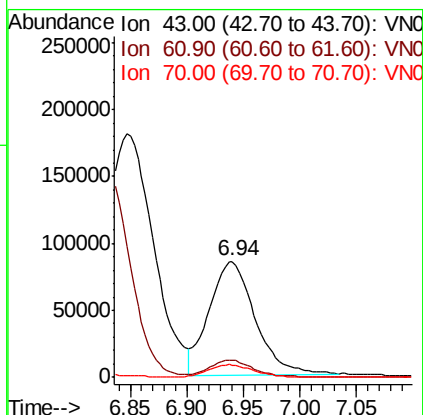
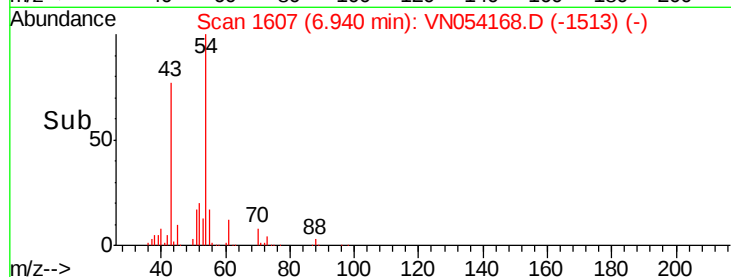
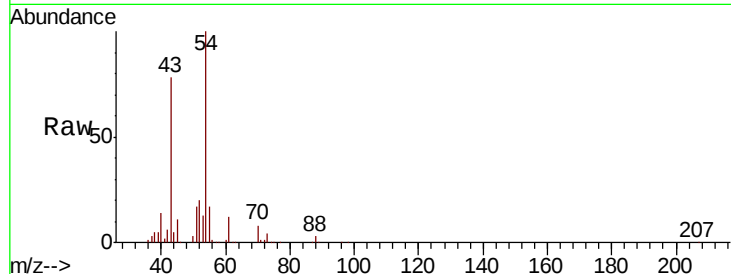
#37
Ethyl Acetate
Concen: 20.193 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.6
70	11.4	8.4	12.6

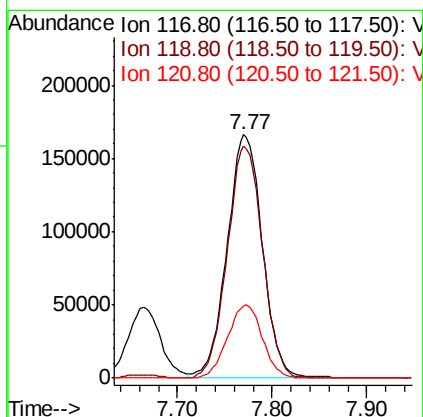
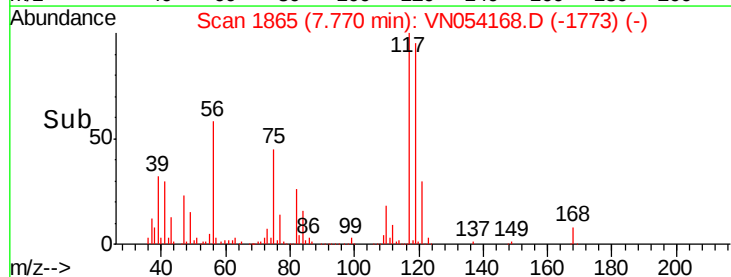
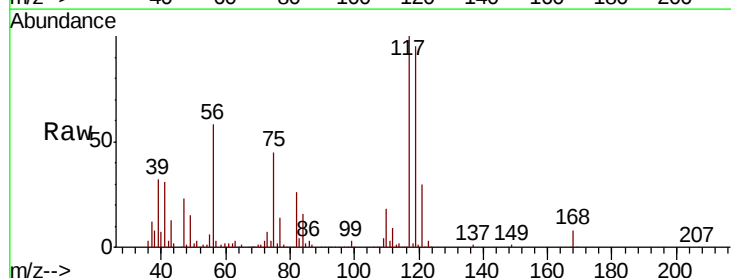
Manual Integrations
APPROVED

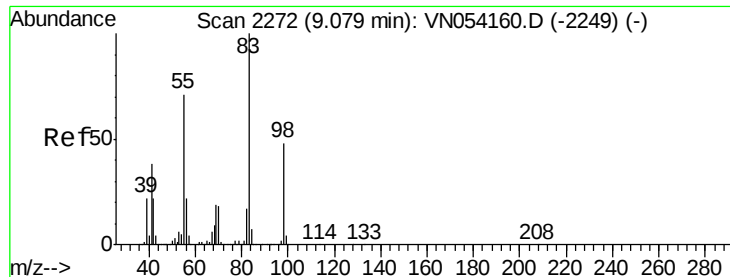
MMDadoda
3/13/2019 11:49:32 AM



#38
Carbon Tetrachloride
Concen: 19.826 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	29.7	24.6	36.8





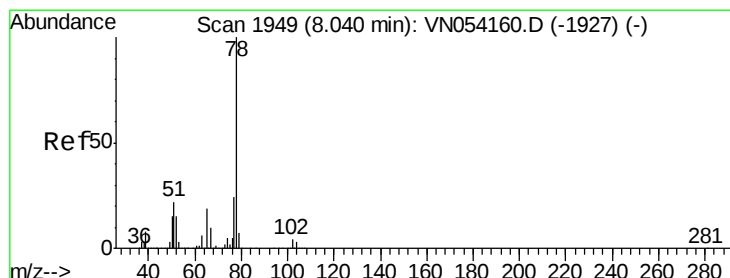
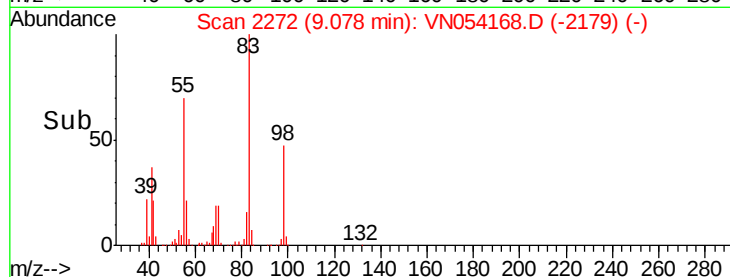
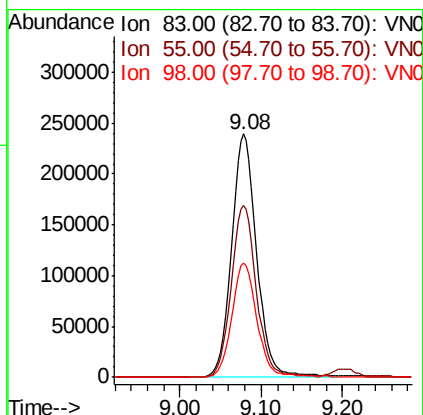
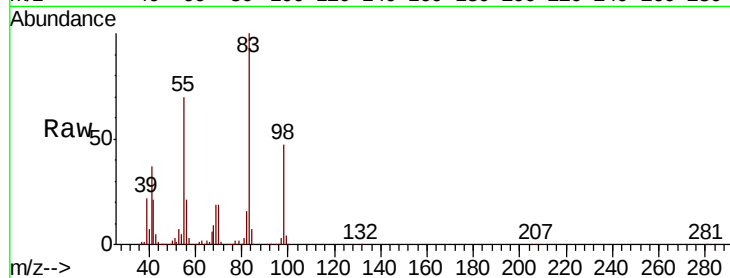
#39
Methylcyclohexane
Concen: 20.402 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.4	56.6	84.8
98	47.0	38.4	57.6

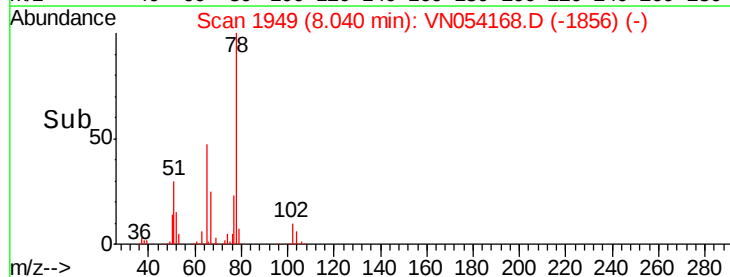
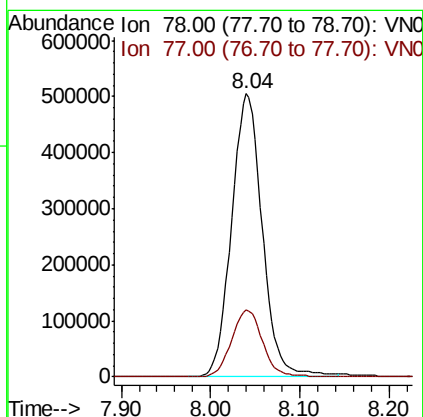
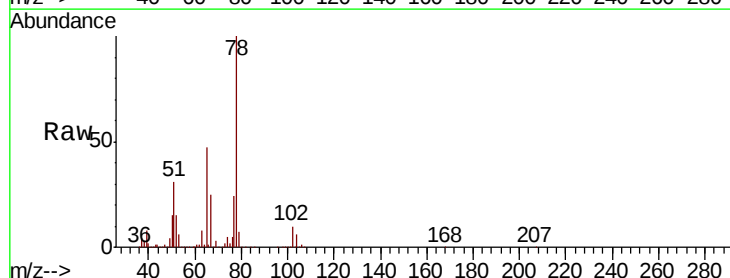
Manual Integrations
APPROVED

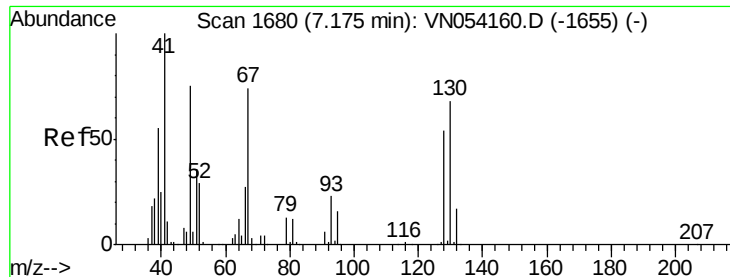
MMDadoda
3/13/2019 11:49:32 AM



#40
Benzene
Concen: 20.551 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





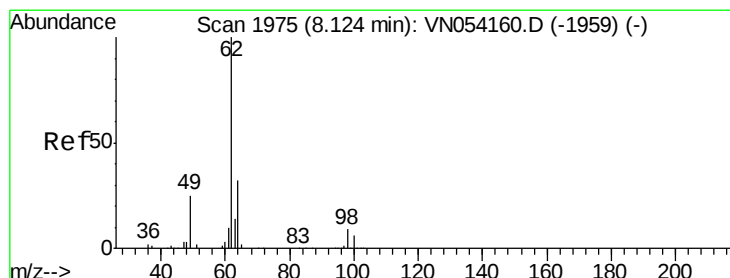
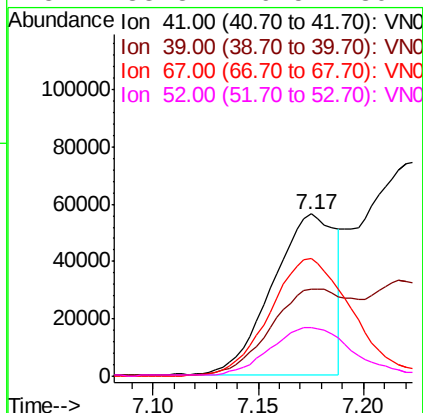
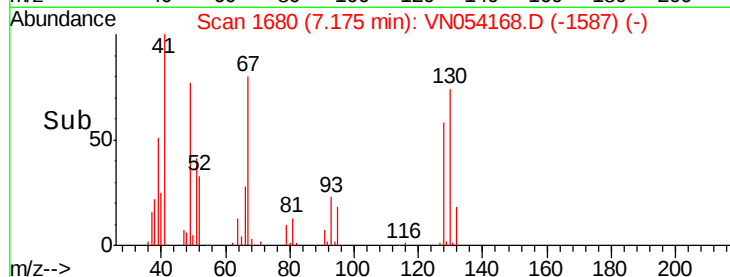
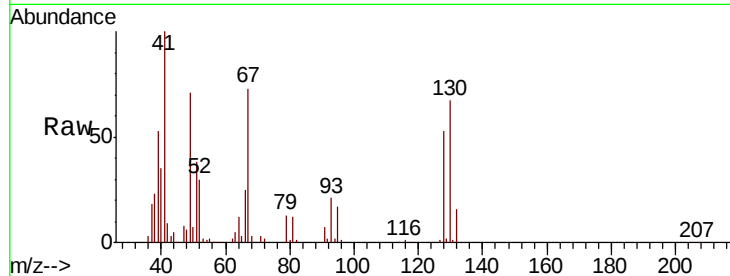
#41
Methacrylonitrile
Concen: 17.191 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.0	46.8	70.2
67	96.7	67.0	100.4
52	38.8	26.5	39.7

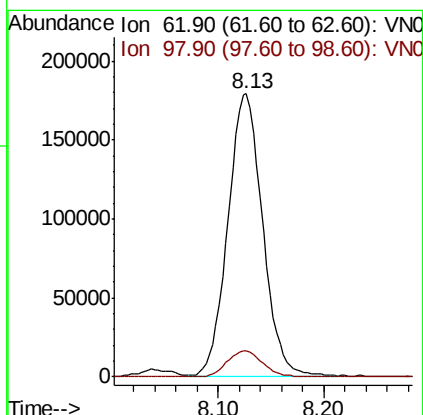
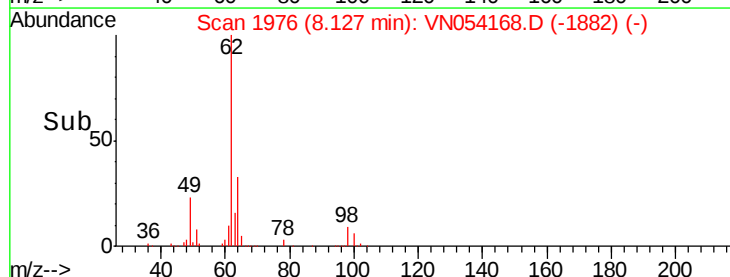
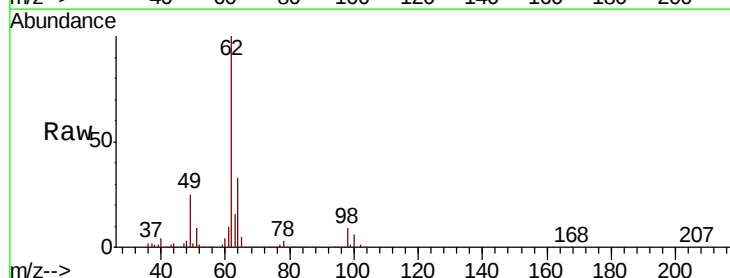
Manual Integrations
APPROVED

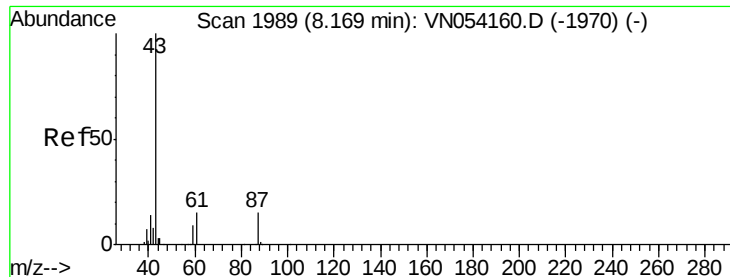
MMDadoda
3/13/2019 11:49:32 AM



#42
1,2-Dichloroethane
Concen: 20.545 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





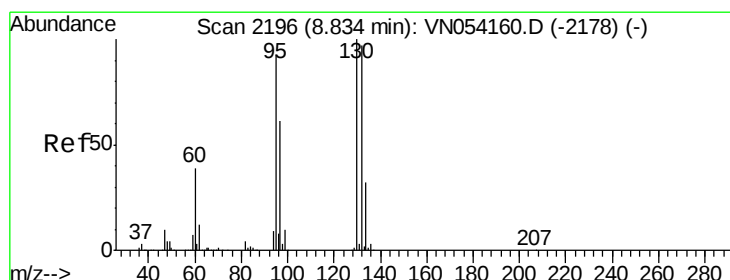
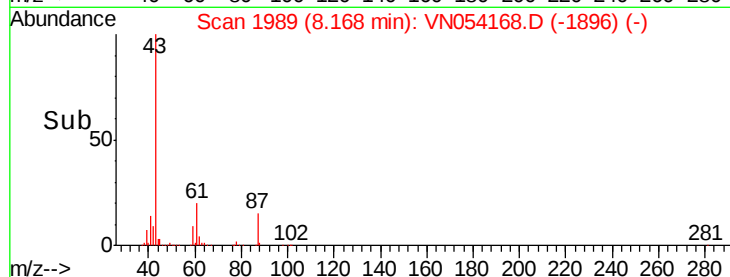
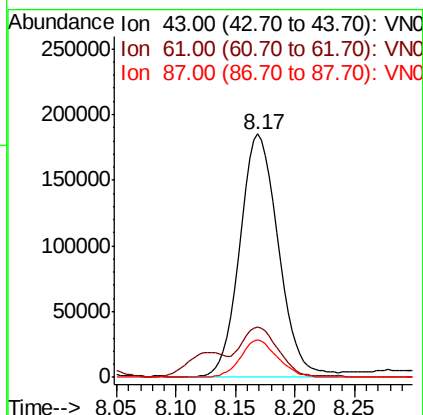
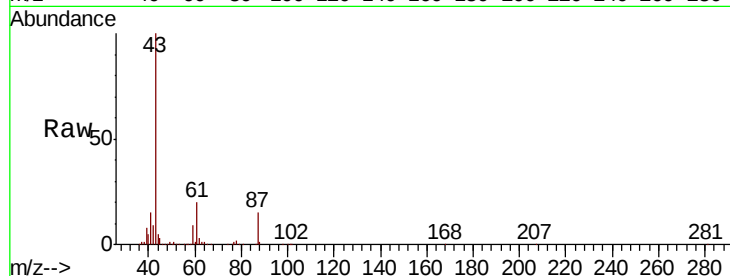
#43
Isopropyl Acetate
Concen: 19.999 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	14.9	12.0	18.0

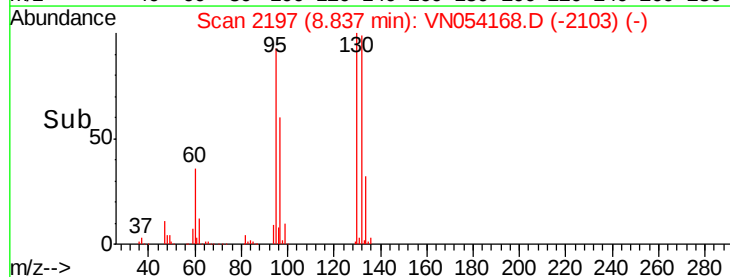
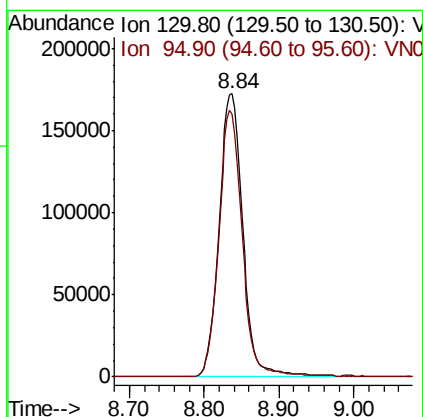
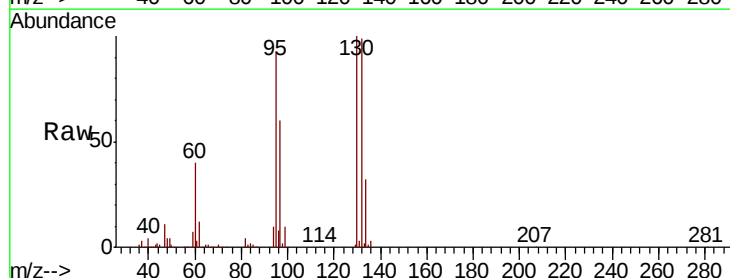
Manual Integrations
APPROVED

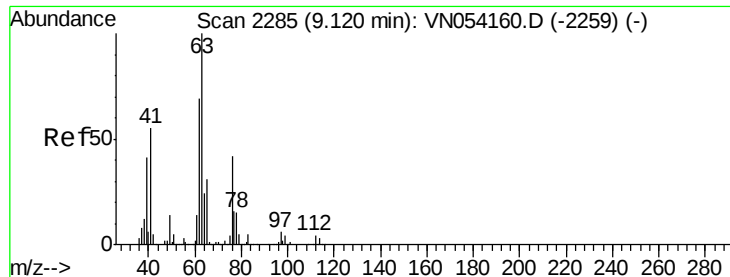
MMDadoda
3/13/2019 11:49:32 AM



#44
Trichloroethene
Concen: 20.814 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	185.2





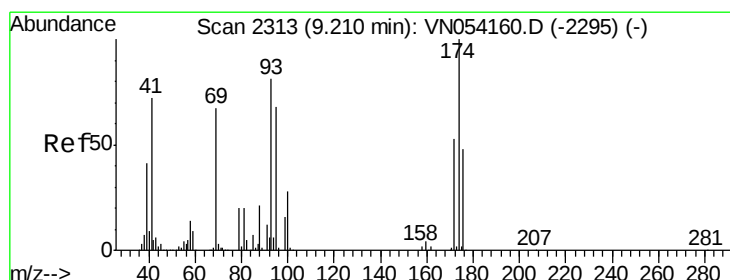
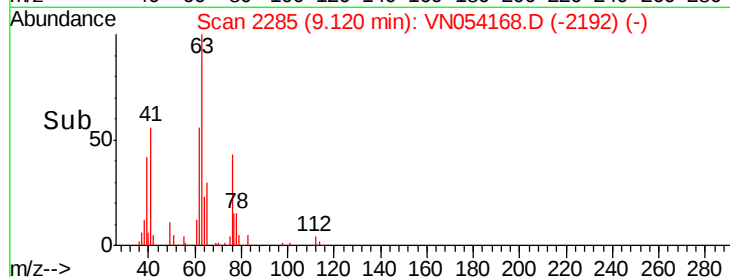
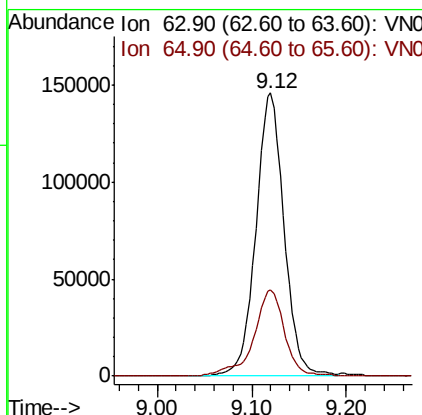
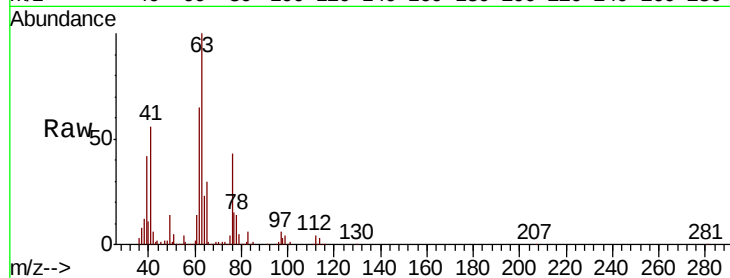
#45
 1,2-Dichloropropane
 Concen: 20.652 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.0	37.6

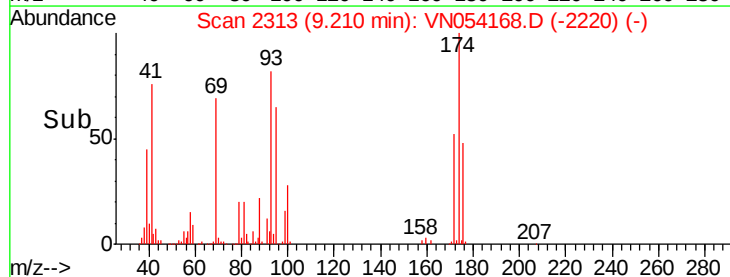
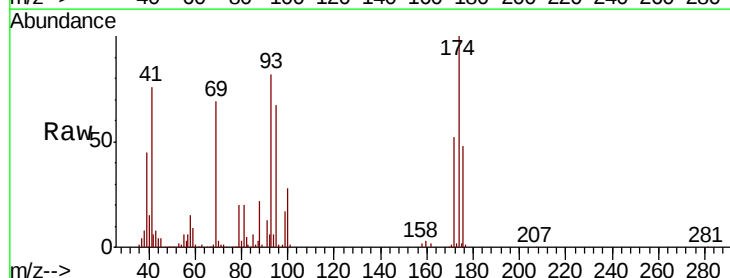
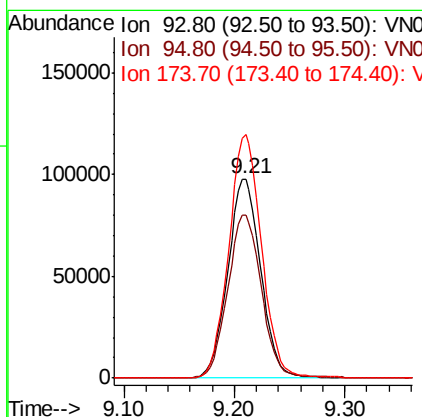
Manual Integrations
 APPROVED

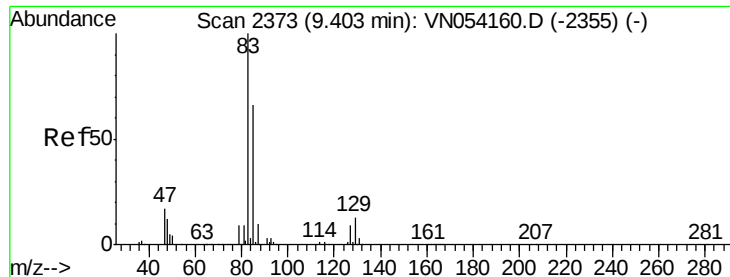
MMDadoda
 3/13/2019 11:49:32 AM



#46
 Dibromomethane
 Concen: 20.547 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.7	100.1
174	121.6	98.5	147.7





#47

Bromodichloromethane

Concen: 20.461 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

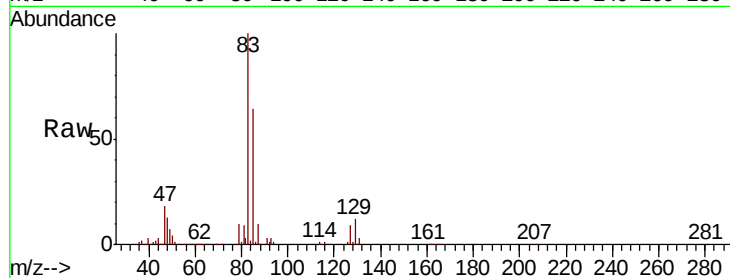
ClientSampleId :

VN0312WBS01

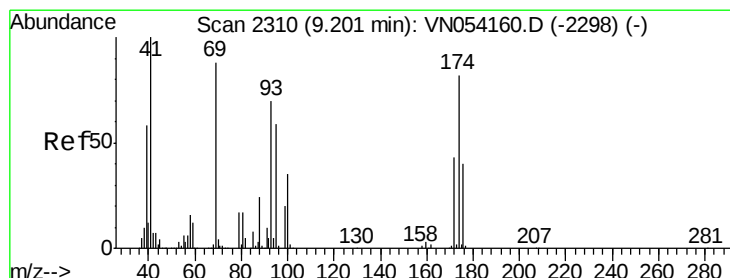
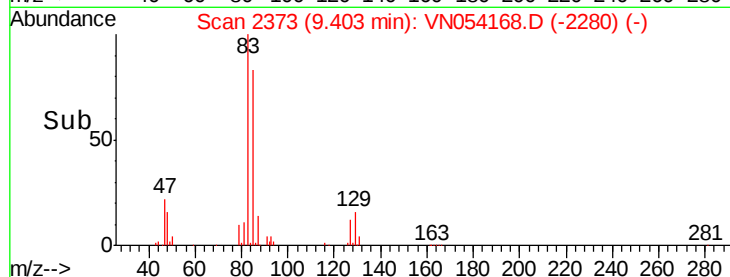
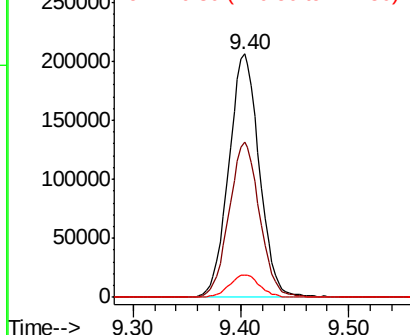
Tgt Ion:	83	Resp:	404476
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2
127	9.3	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 20.558 ug/l

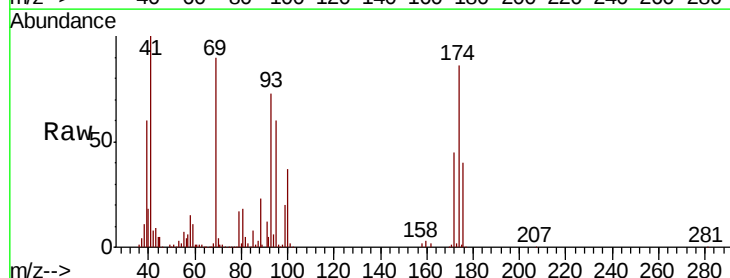
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

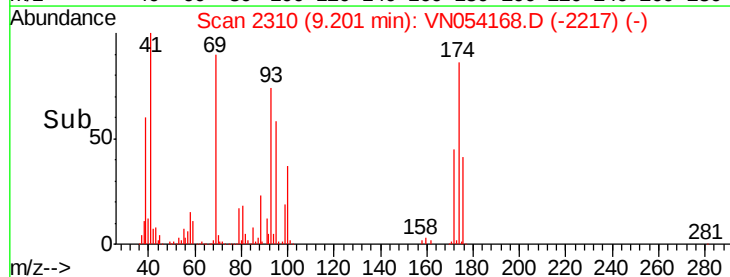
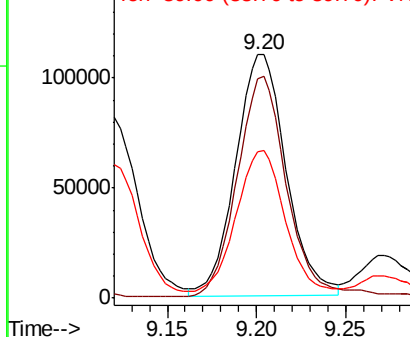
Lab File: VN054168.D

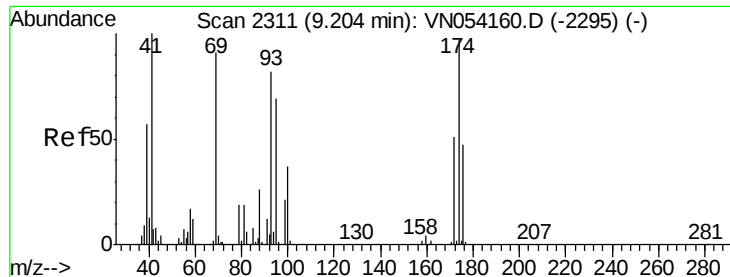
Acq: 12 Mar 2019 17:23

Tgt Ion:	41	Resp:	216115
Ion	Ratio	Lower	Upper
41	100		
69	90.7	72.6	108.8
39	60.6	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





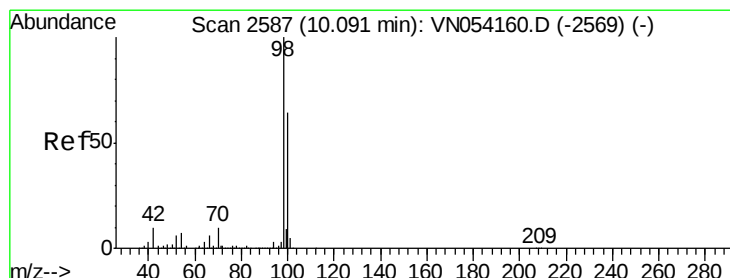
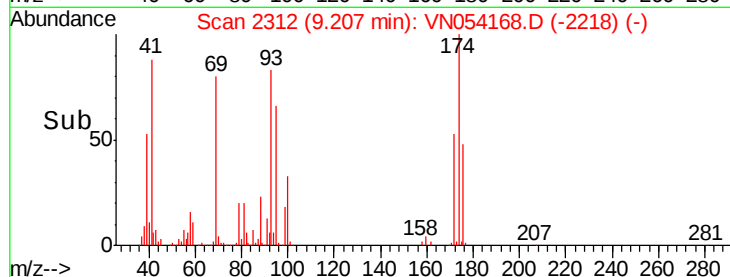
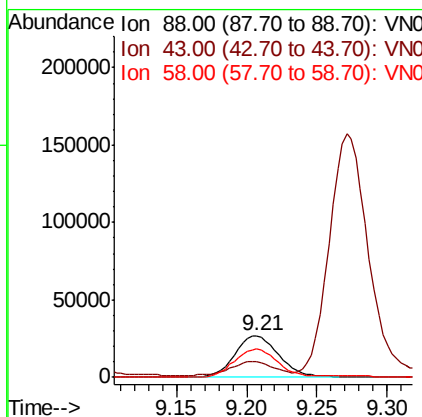
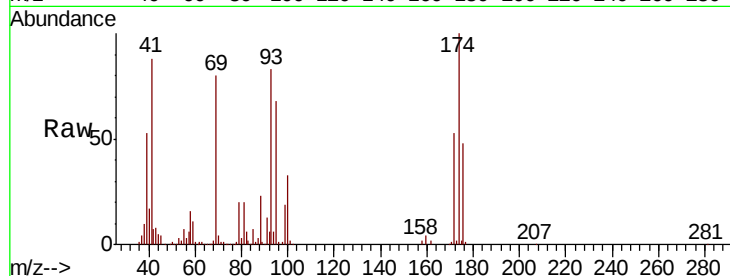
#49
1,4-Dioxane
Concen: 394.914 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.1	24.1	36.1
58	68.5	50.8	76.2

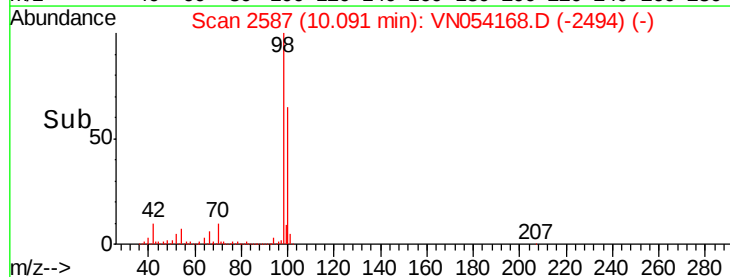
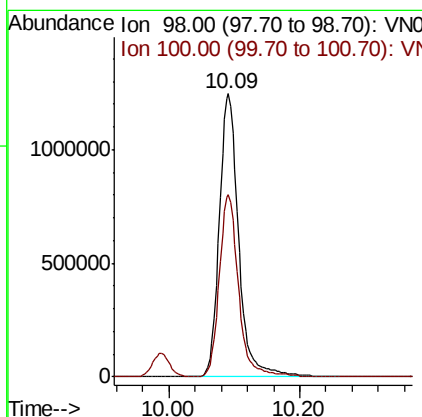
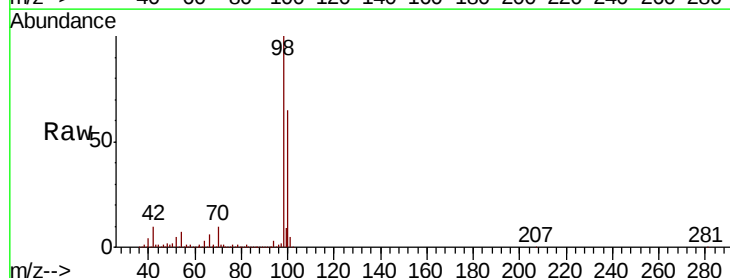
Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#50
Toluene-d8
Concen: 48.519 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





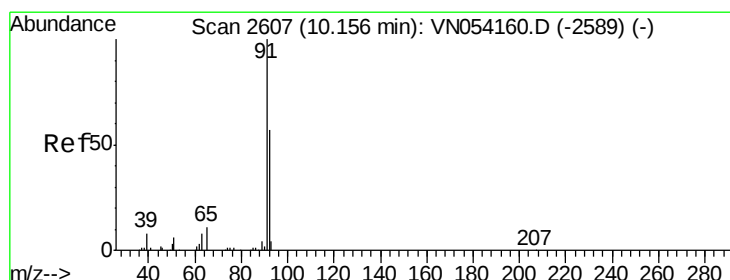
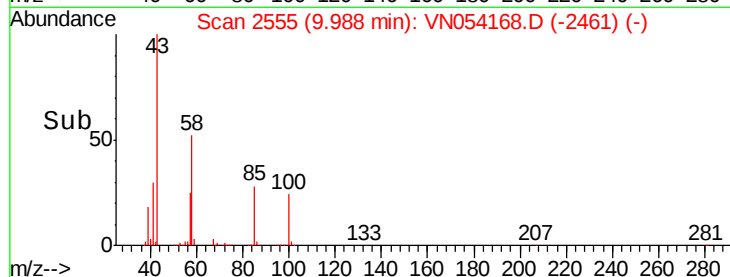
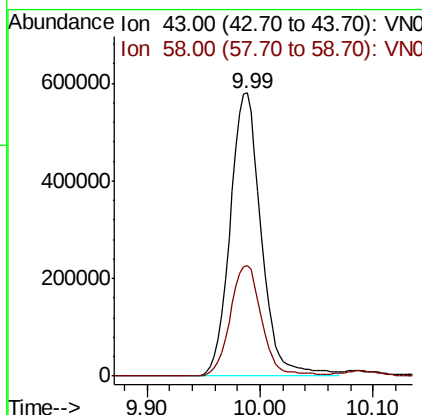
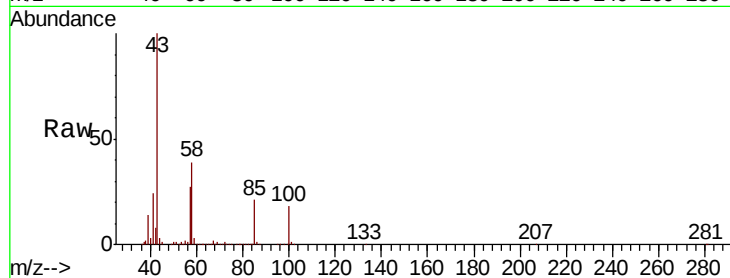
#51
4-Methyl-2-Pentanone
Concen: 100.936 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion: 43 Resp: 1106489
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.6

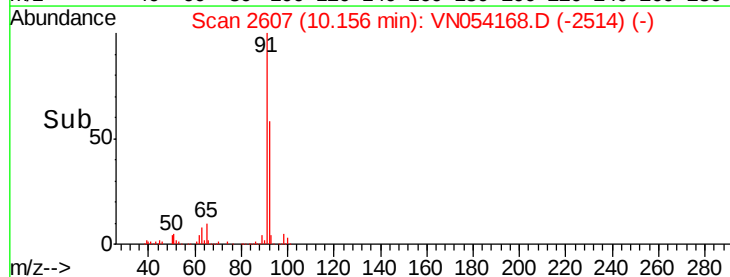
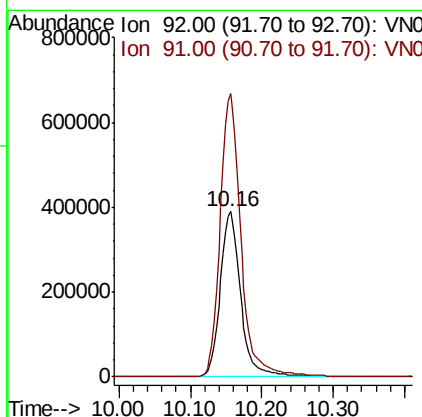
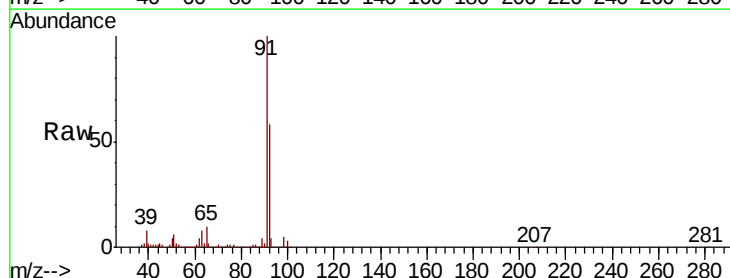
Manual Integrations
APPROVED

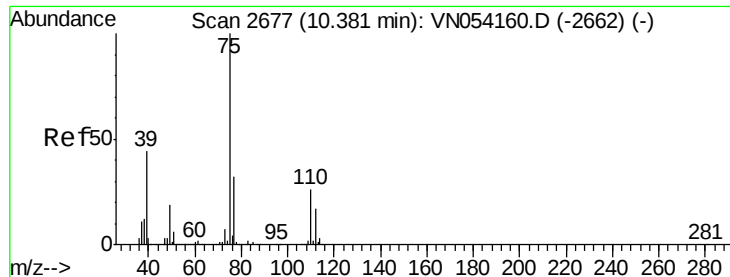
MMDadoda
3/13/2019 11:49:32 AM



#52
Toluene
Concen: 20.797 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 92 Resp: 775034
Ion Ratio Lower Upper
92 100
91 174.4 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.923 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

Tgt Ion: 75 Resp: 398774

Ion Ratio Lower Upper

75 100

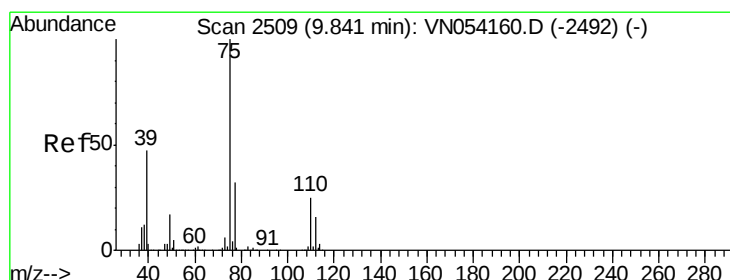
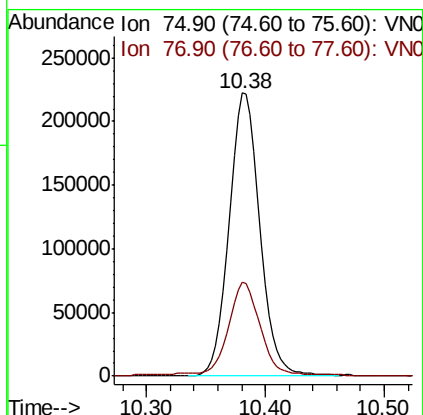
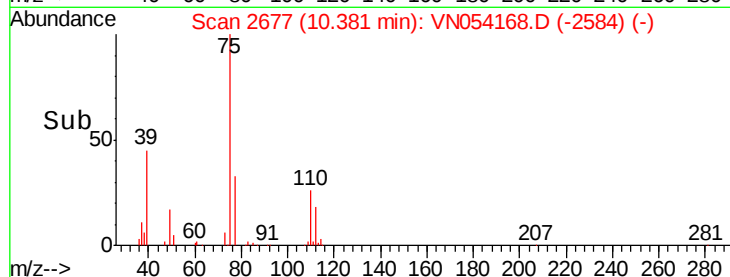
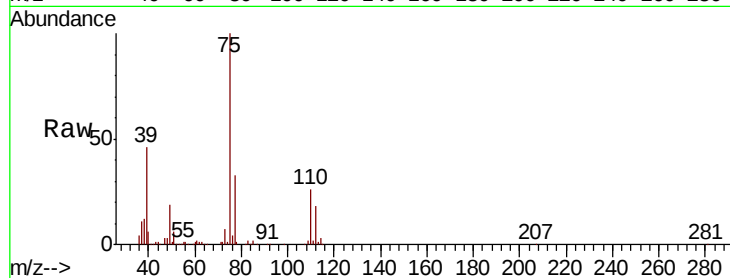
77 32.6 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

3/13/2019 11:49:32 AM



#54

cis-1,3-Dichloropropene

Concen: 20.321 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

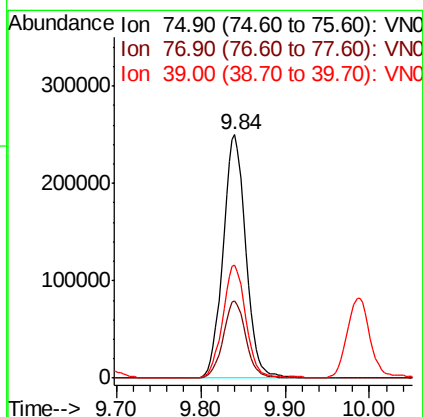
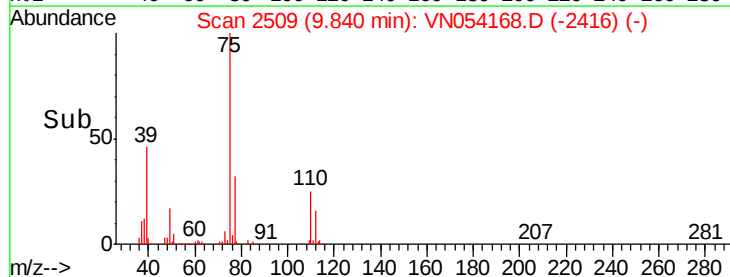
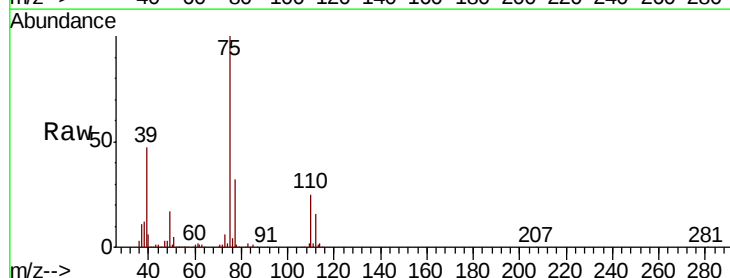
Tgt Ion: 75 Resp: 468105

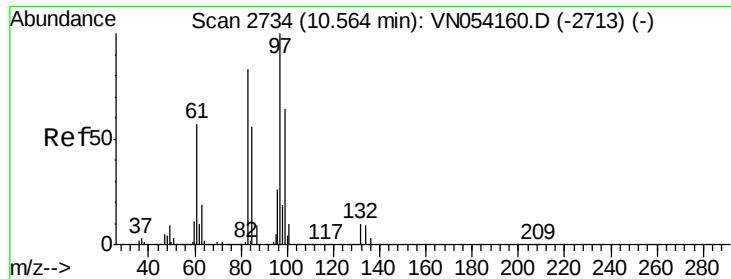
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 46.4 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 20.807 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

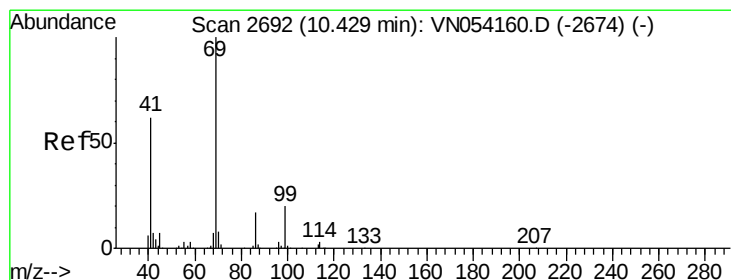
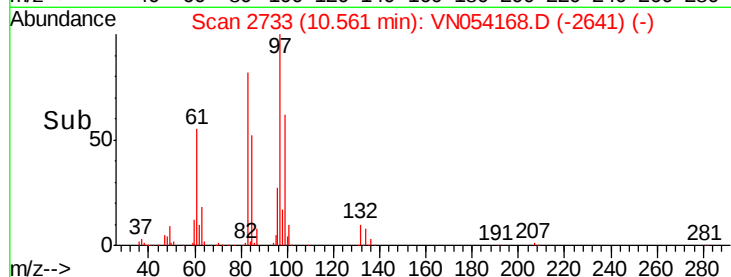
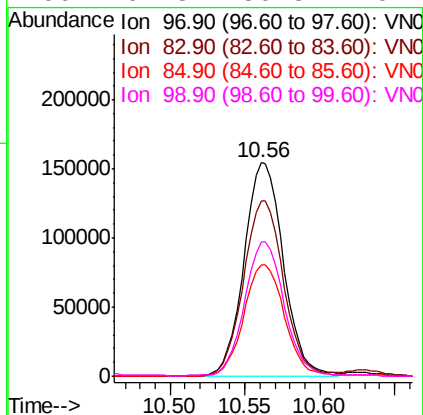
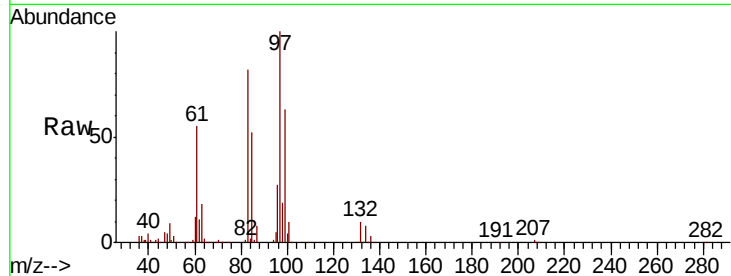
ClientSampleId :

VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.9	66.6	100.0
85	52.3	44.4	66.6
99	62.3	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#56

Ethyl methacrylate

Concen: 20.002 ug/l

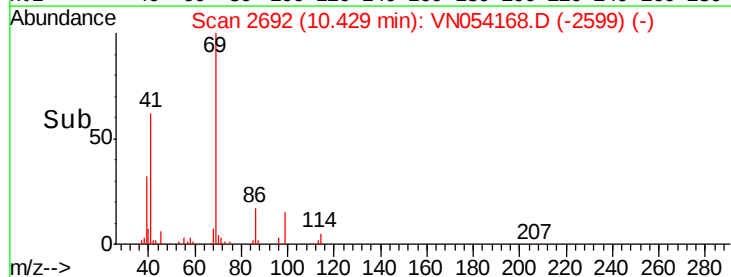
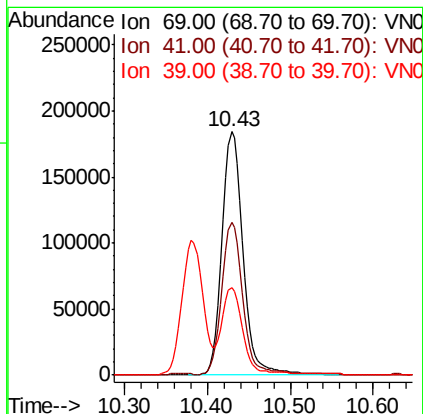
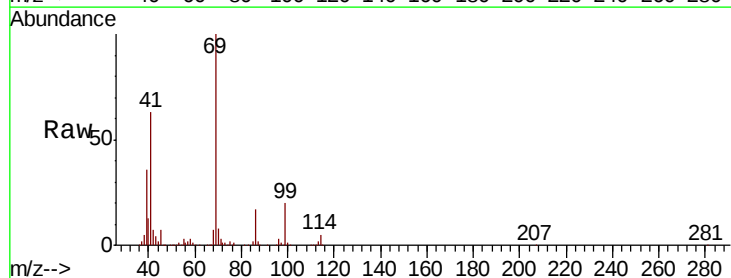
RT: 10.43 min Scan# 2692

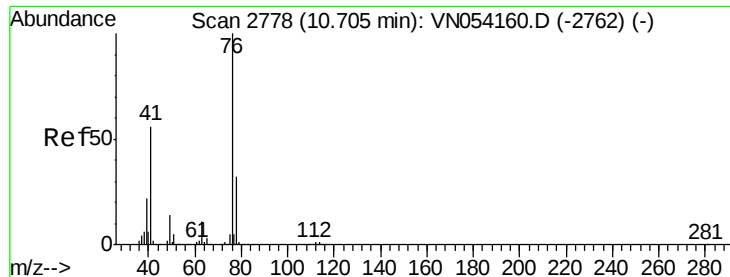
Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.4	74.2
39	33.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.678 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

Tgt Ion: 76 Resp: 460096

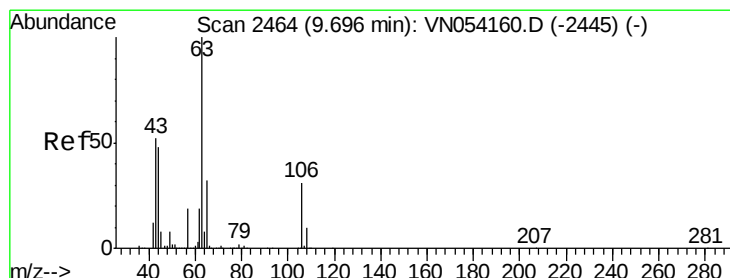
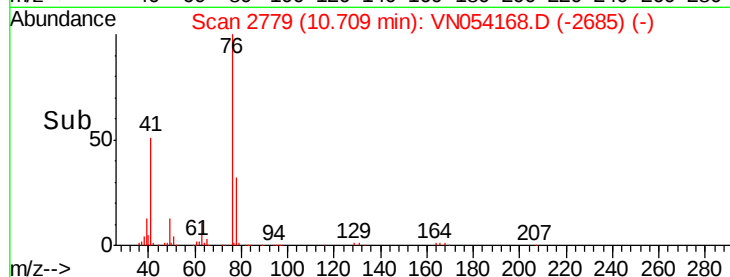
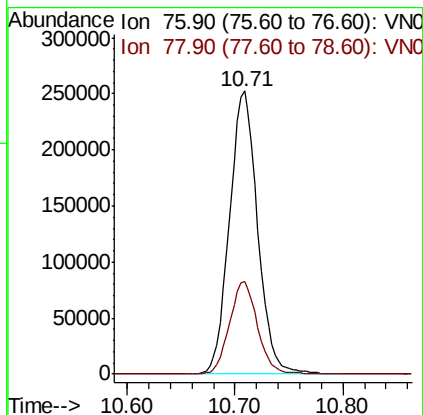
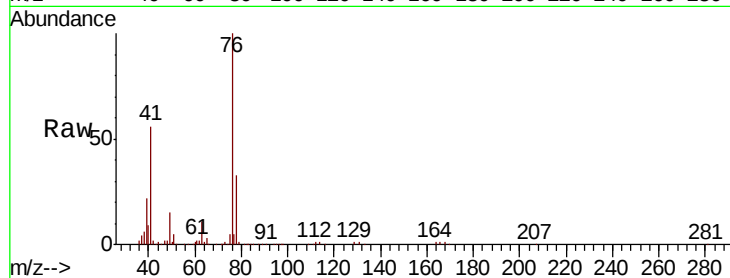
Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.218 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054168.D

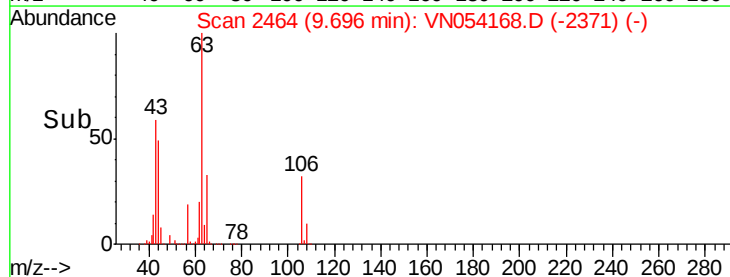
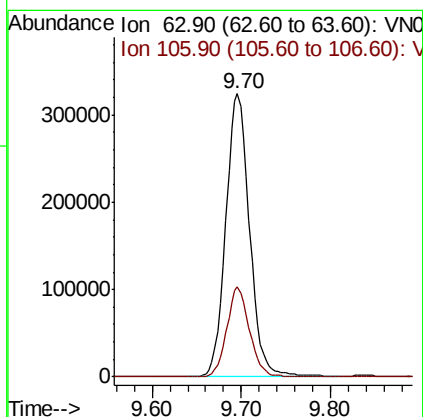
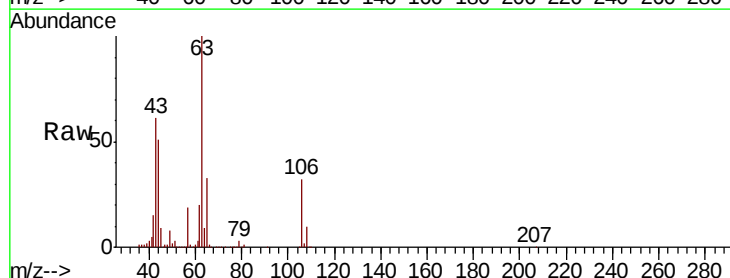
Acq: 12 Mar 2019 17:23

Tgt Ion: 63 Resp: 599168

Ion Ratio Lower Upper

63 100

106 30.2 24.4 36.6





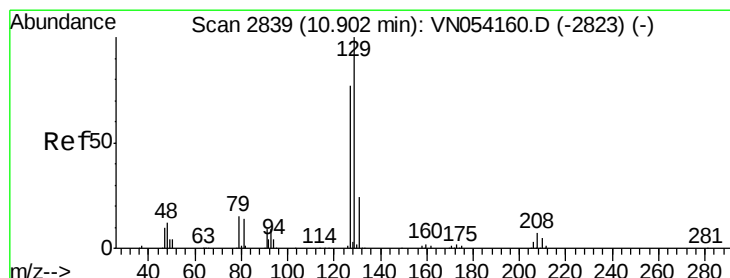
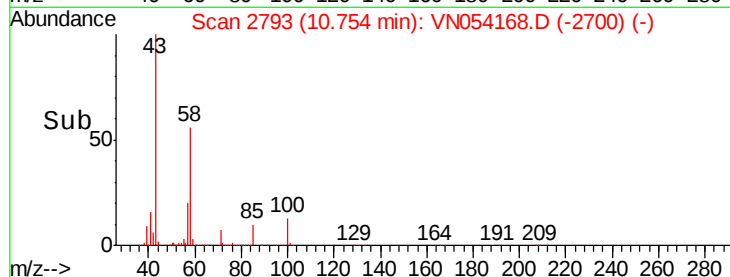
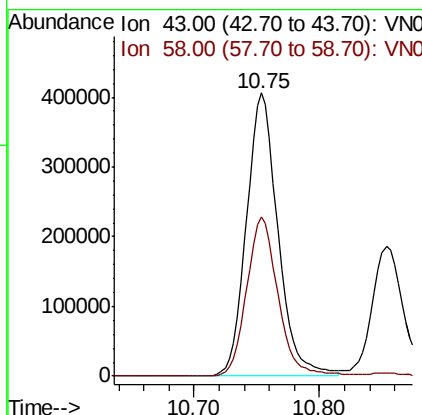
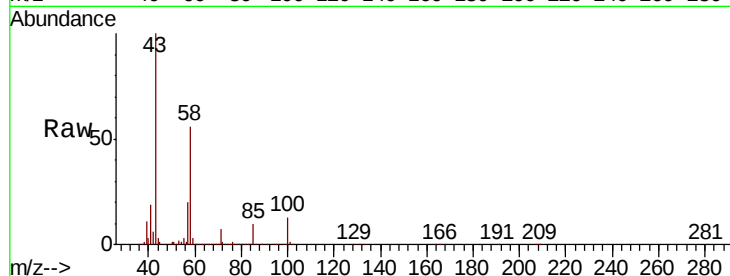
#59
2-Hexanone
Concen: 96.968 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion: 43 Resp: 707313
Ion Ratio Lower Upper
43 100
58 56.3 28.0 83.9

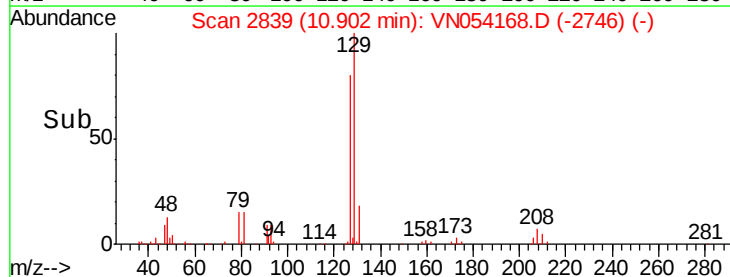
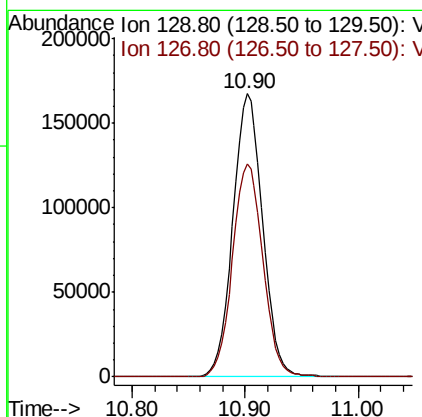
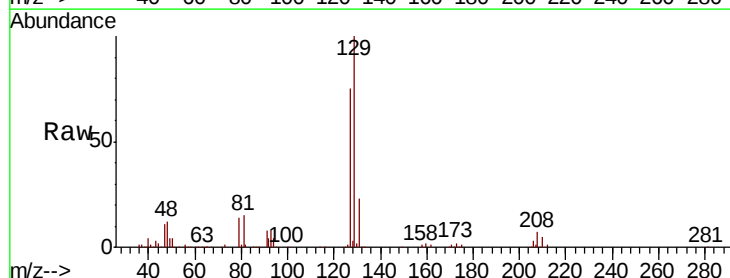
Manual Integrations
APPROVED

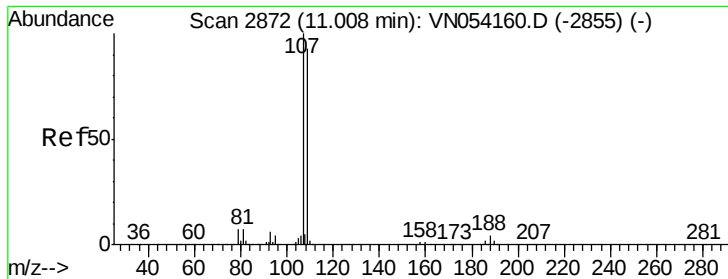
MMDadoda
3/13/2019 11:49:32 AM



#60
Dibromochloromethane
Concen: 20.038 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 129 Resp: 306905
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





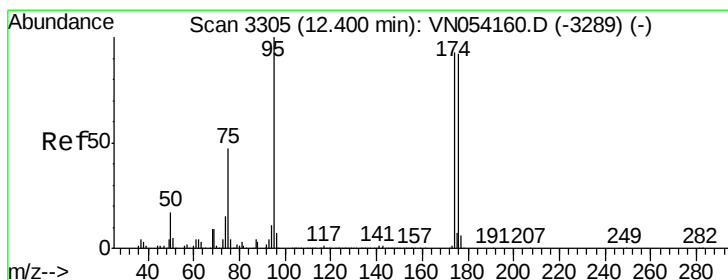
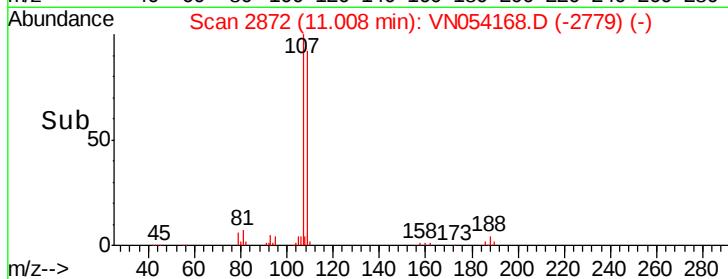
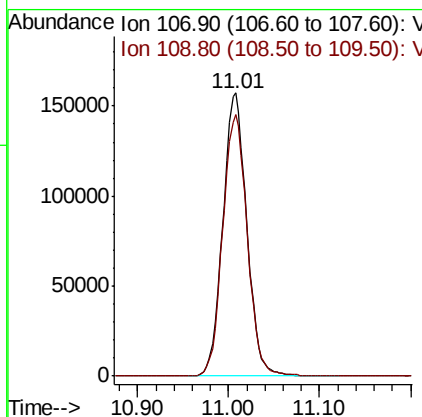
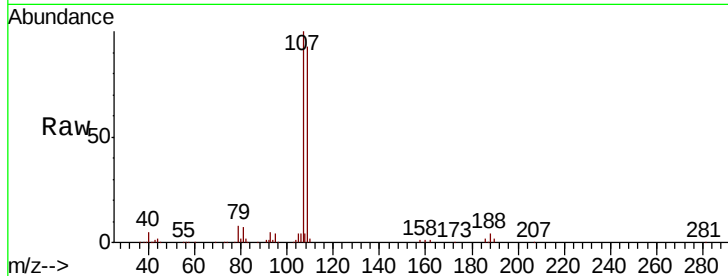
#61
1,2-Dibromoethane
Concen: 20.766 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	287158		
109	94.9	75.9	113.9	

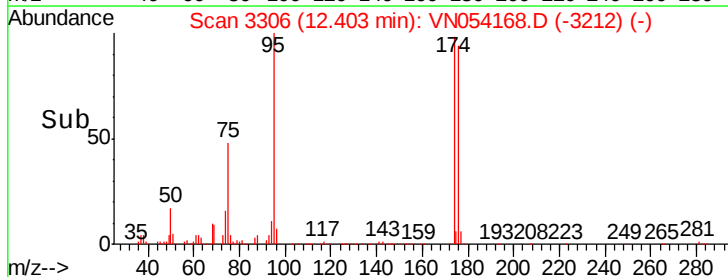
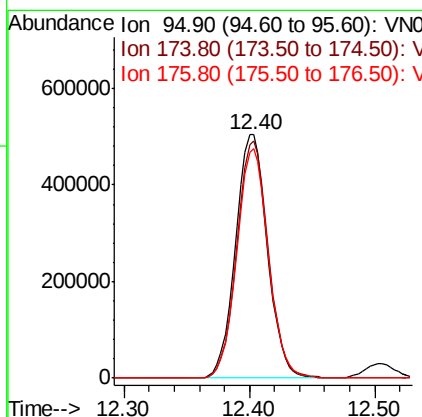
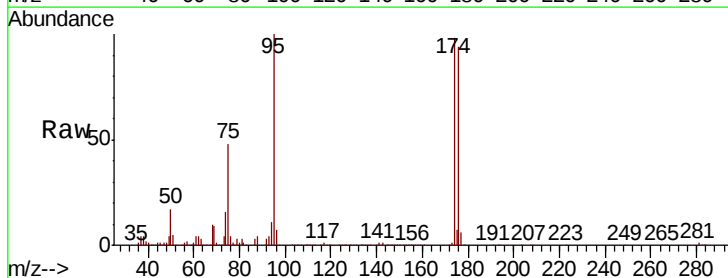
Manual Integrations
APPROVED

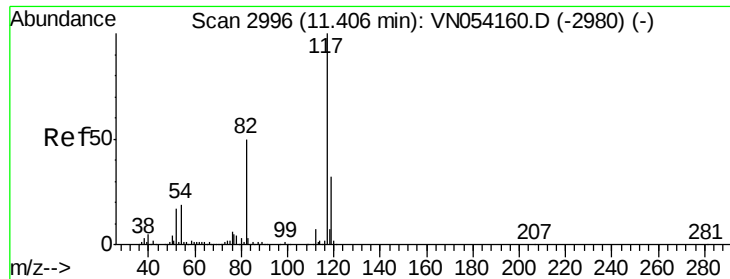
MMDadoda
3/13/2019 11:49:32 AM



#62
4-Bromofluorobenzene
Concen: 47.774 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	888008		
174	96.4	0.0	191.0	
176	93.6	0.0	187.4	





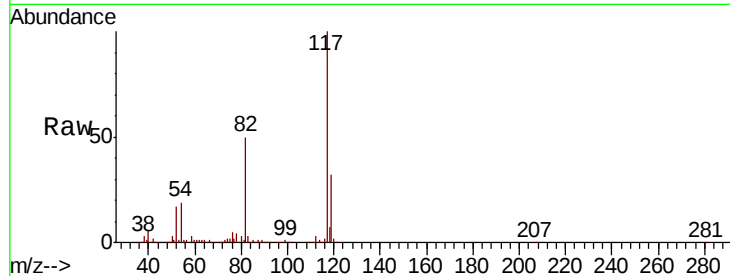
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

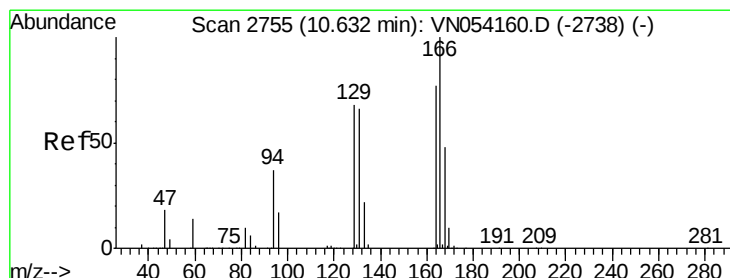
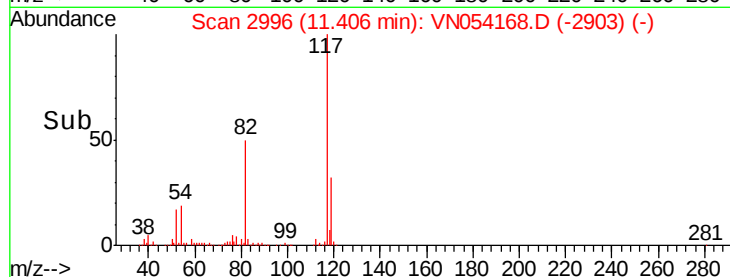
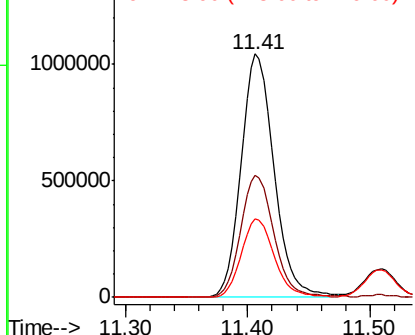
Tgt Ion:117 Resp: 1948259
Ion Ratio Lower Upper
117 100
82 50.3 40.0 60.0
119 32.1 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



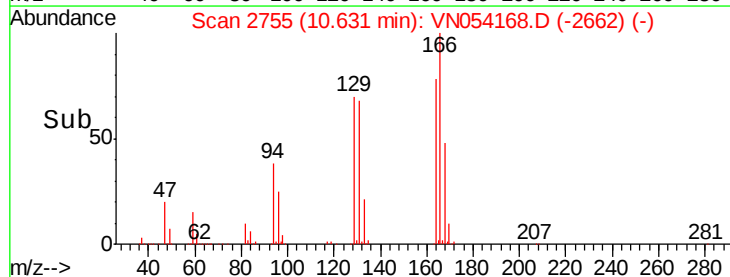
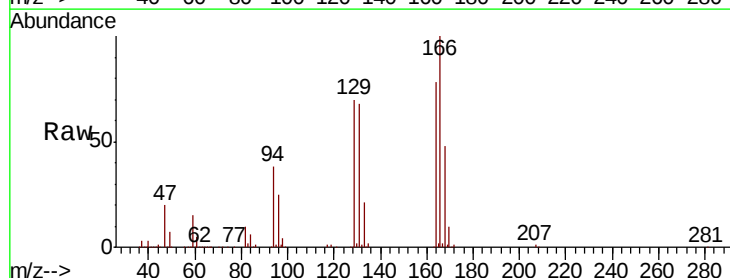
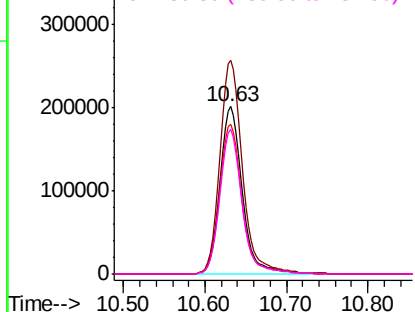
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.860 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion:164 Resp: 392930
Ion Ratio Lower Upper
164 100
166 127.8 103.9 155.9
129 89.8 71.1 106.7
131 86.4 68.2 102.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.797 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

Tgt Ion:112 Resp: 889655

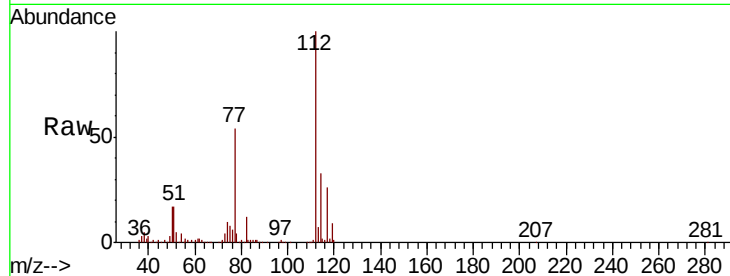
Ion Ratio Lower Upper

112 100

114 33.2 25.9 38.9

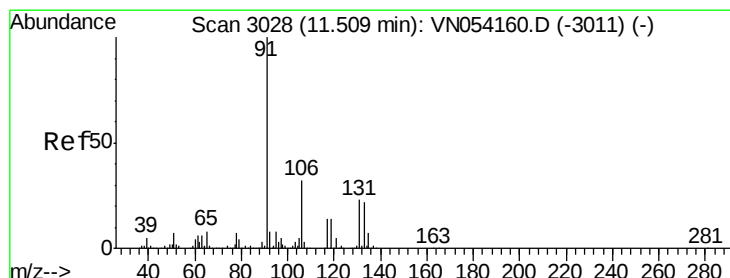
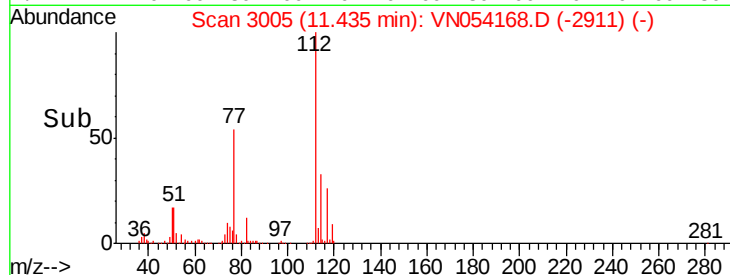
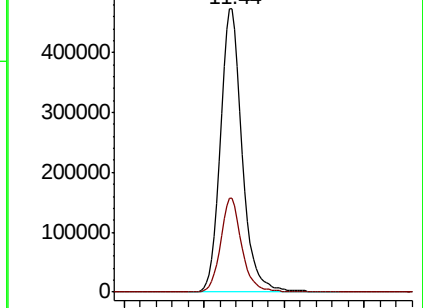
Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.594 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

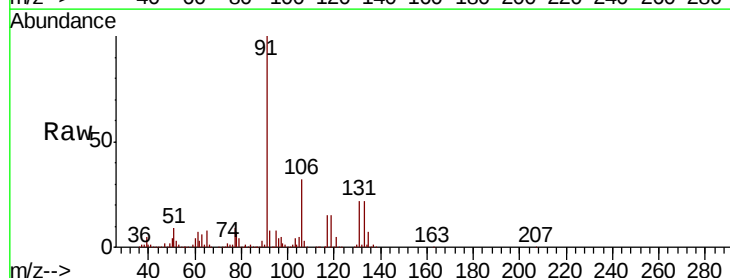
Tgt Ion:131 Resp: 320044

Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.9

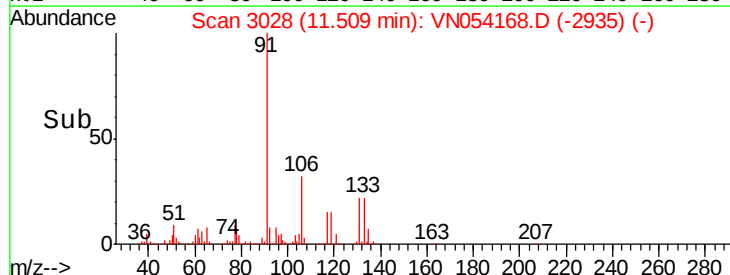
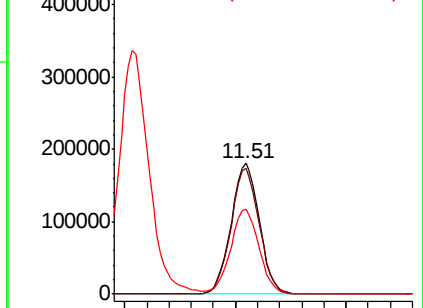
119 65.5 32.4 97.0

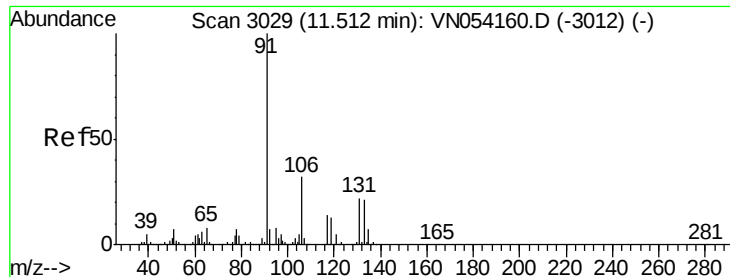


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





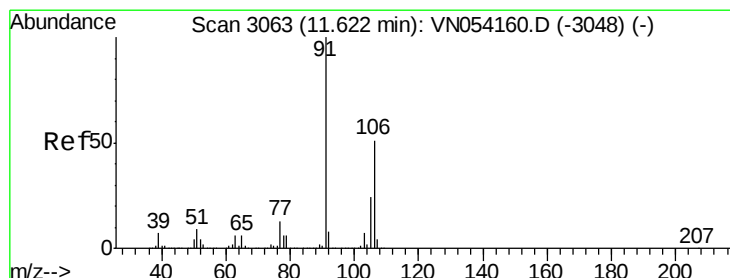
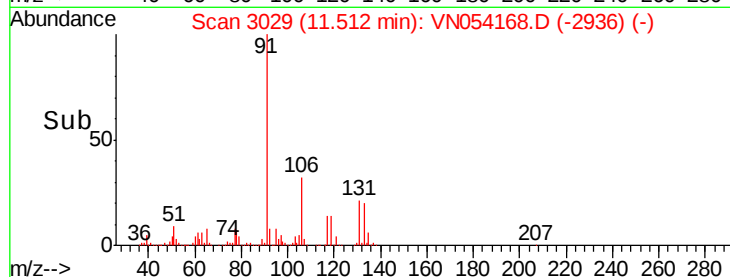
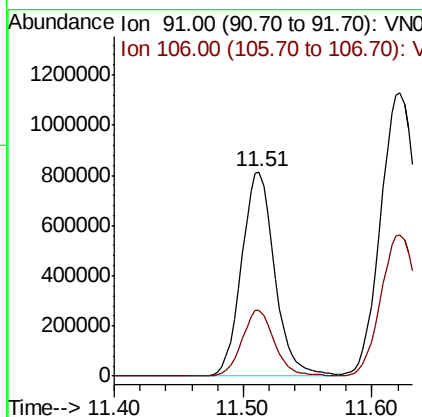
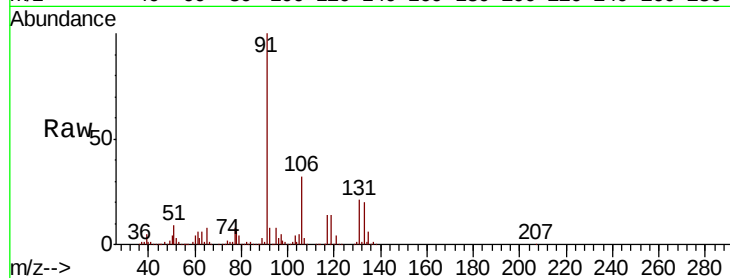
#67
Ethyl Benzene
Concen: 20.468 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion: 91 Resp: 1451416
Ion Ratio Lower Upper
91 100
106 32.5 25.5 38.3

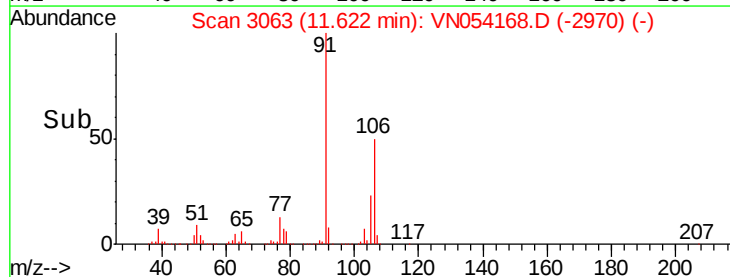
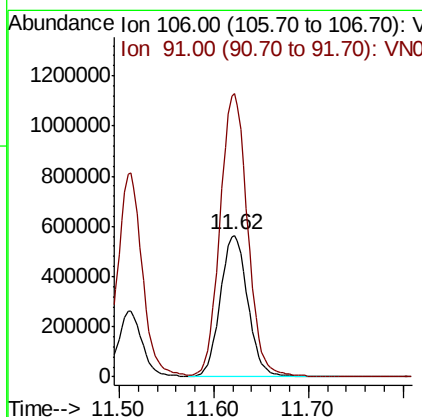
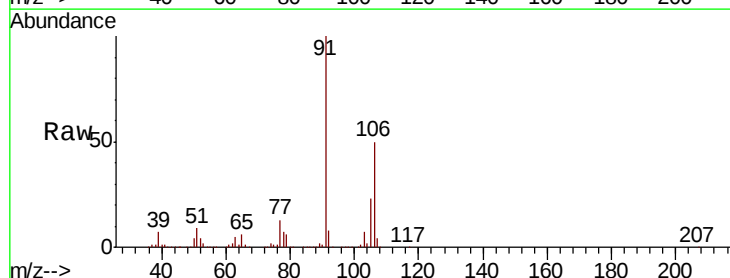
Manual Integrations
APPROVED

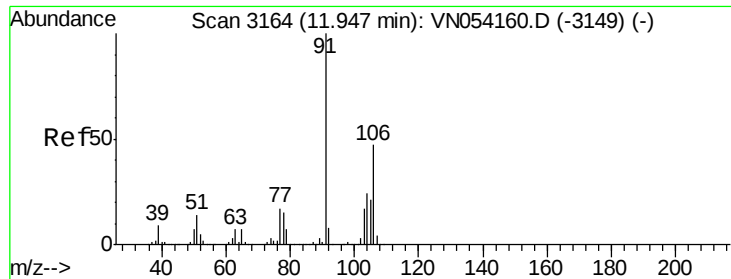
MMDadoda
3/13/2019 11:49:32 AM



#68
m/p-Xylenes
Concen: 41.133 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 106 Resp: 1140033
Ion Ratio Lower Upper
106 100
91 200.9 159.4 239.2





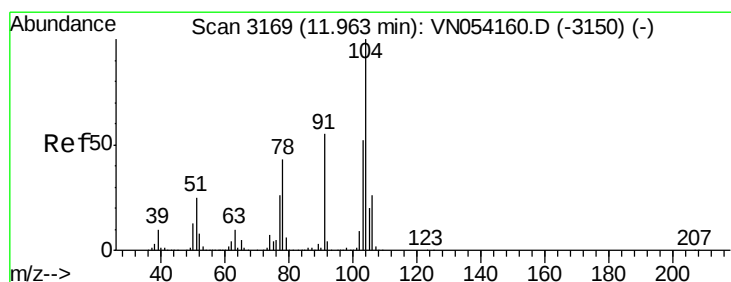
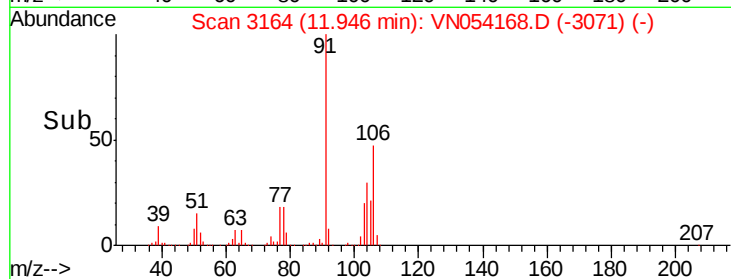
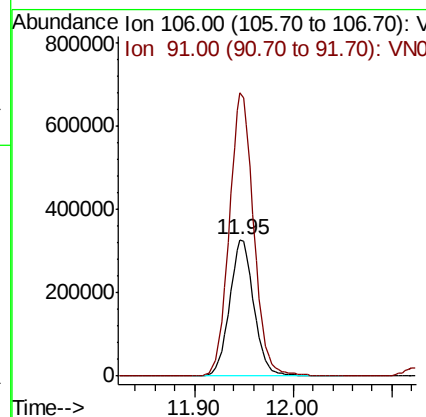
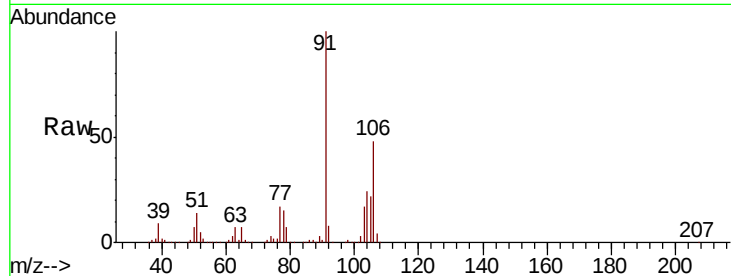
#69
o-Xylene
Concen: 20.860 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion:106 Resp: 563615
Ion Ratio Lower Upper
106 100
91 209.1 105.7 317.1

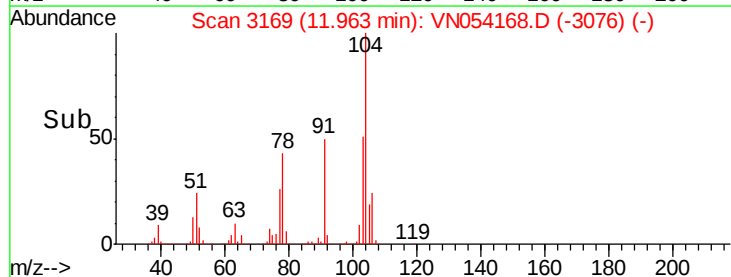
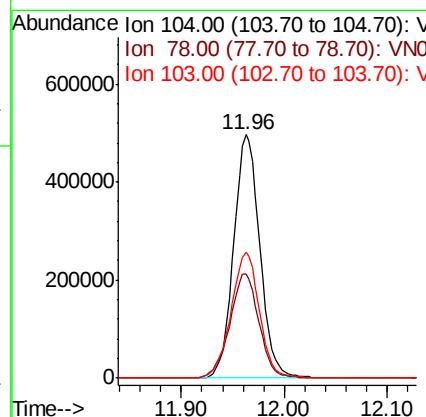
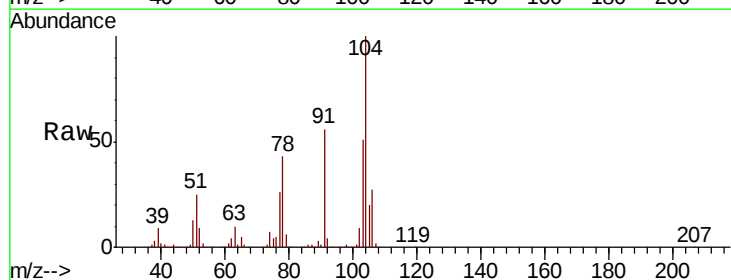
Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#70
Styrene
Concen: 20.751 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion:104 Resp: 879313
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 56.0 44.4 66.6





#71

Bromoform

Concen: 18.553 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

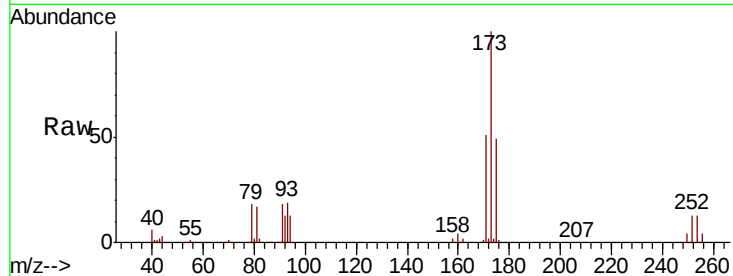
ClientSampleId :

VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM

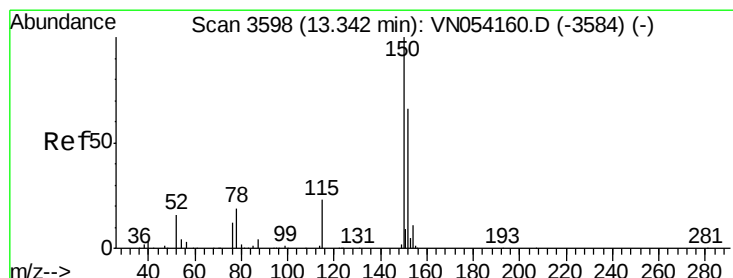
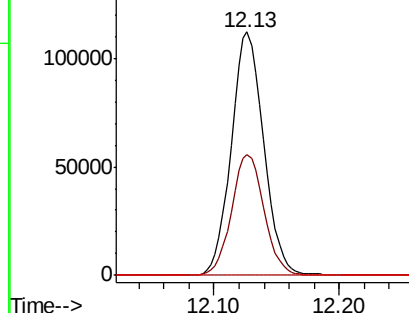
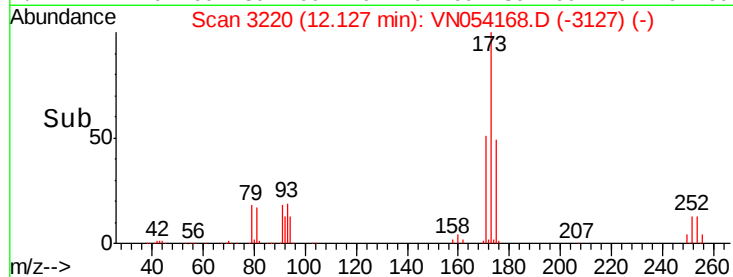


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

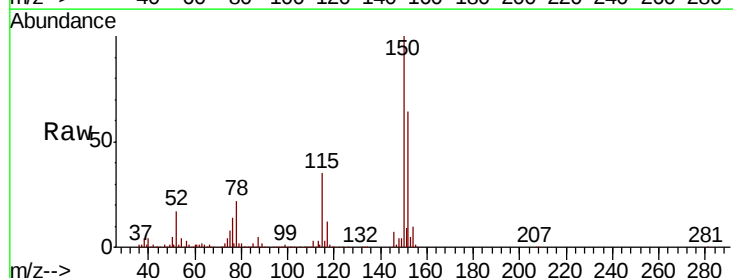
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.2	81.6
150	163.3	0.0	349.2

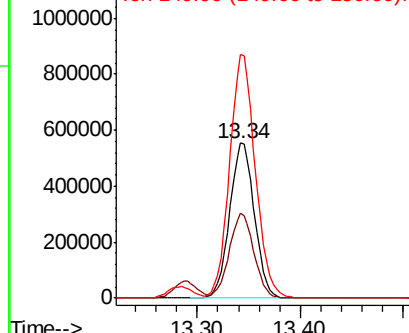
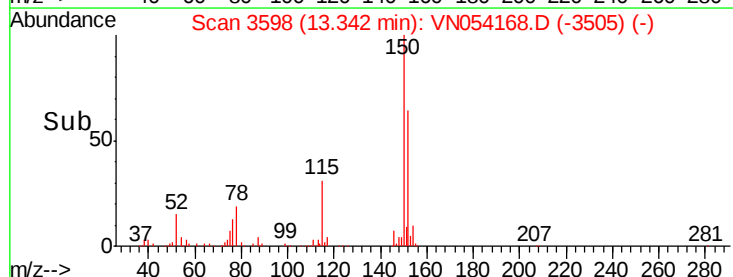


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.191 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tgt Ion: 105 Resp: 1492754

Ion Ratio Lower Upper

105 100

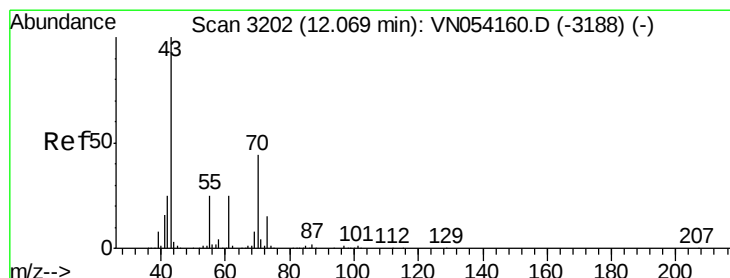
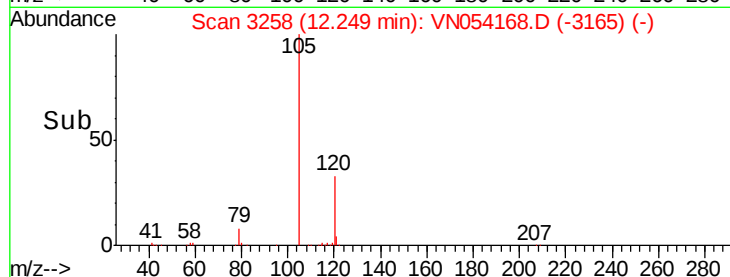
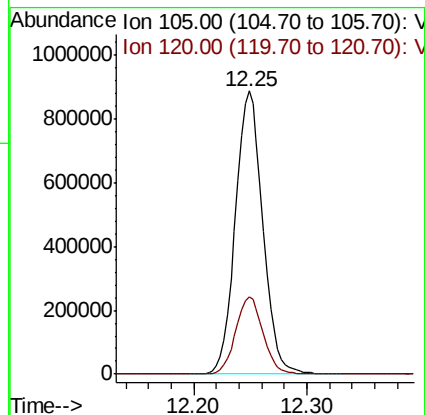
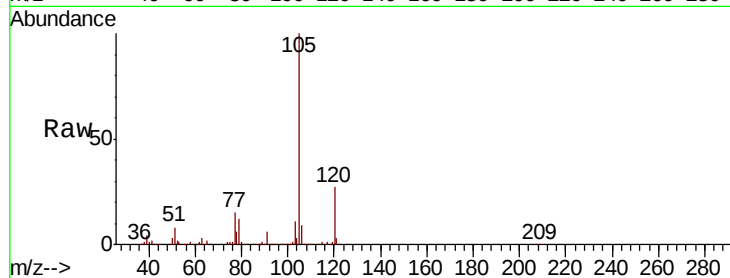
120 27.3 13.8 41.3

Manual Integrations

APPROVED

MMDadoda

3/13/2019 11:49:32 AM



#74

N-ethyl acetate

Concen: 19.459 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Tgt Ion: 43 Resp: 319332

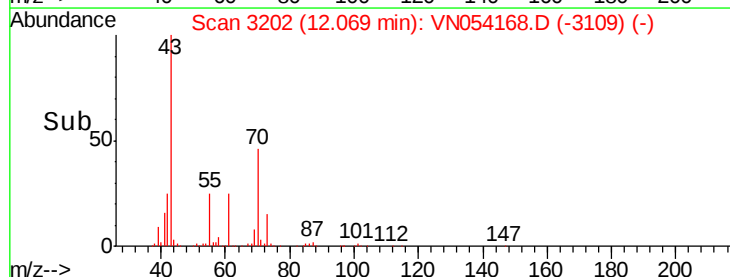
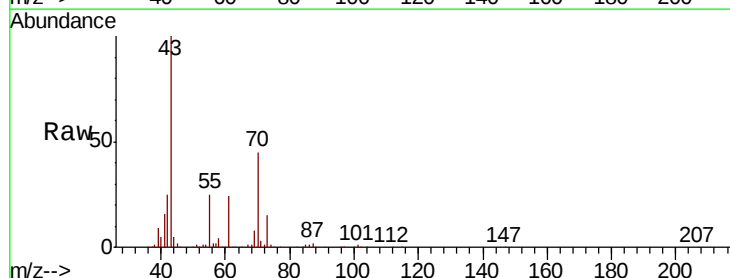
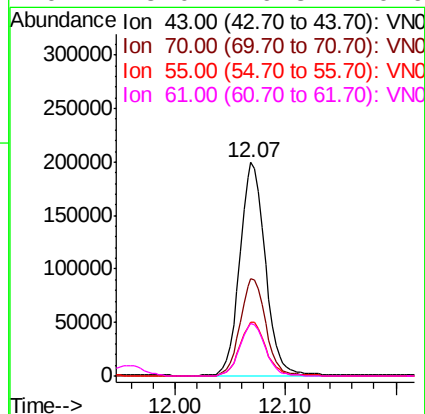
Ion Ratio Lower Upper

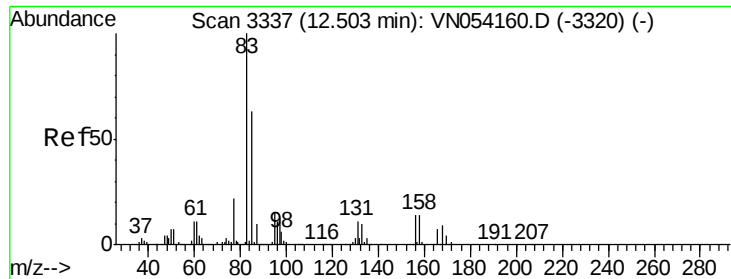
43 100

70 45.9 35.4 53.0

55 25.8 19.8 29.6

61 25.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.808 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tgt Ion: 83 Resp: 311995
Ion Ratio Lower Upper

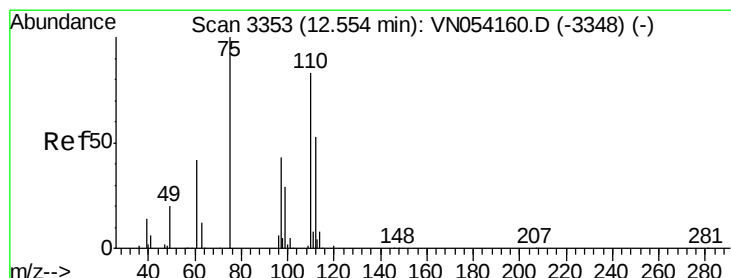
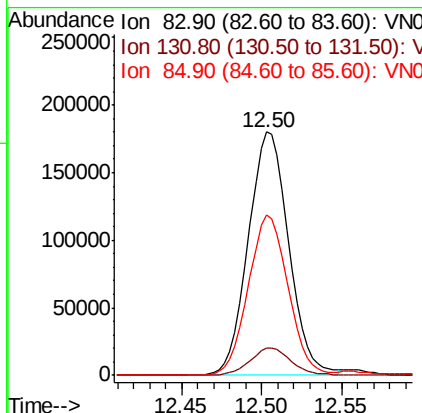
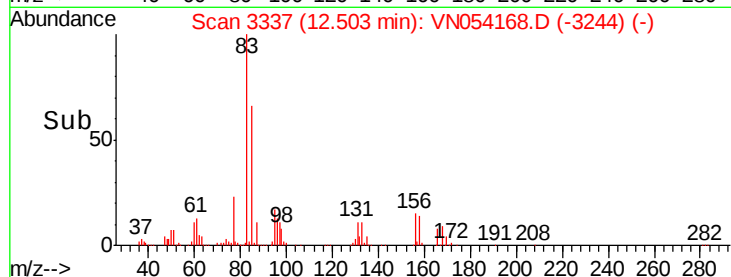
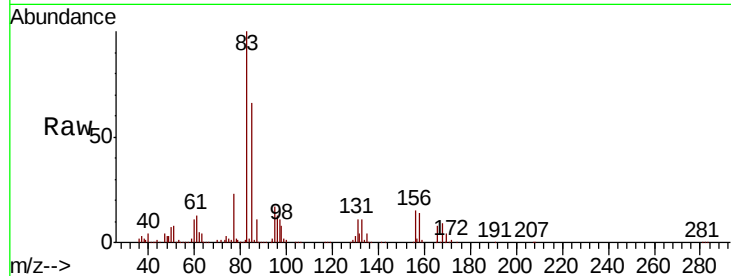
83 100

131 11.5 5.8 17.4

85 64.9 32.2 96.6

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#76

1,2,3-Trichloropropane

Concen: 19.506 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

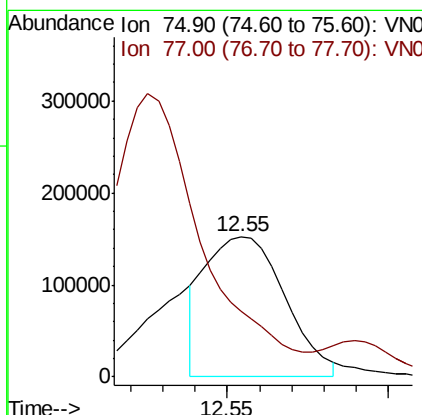
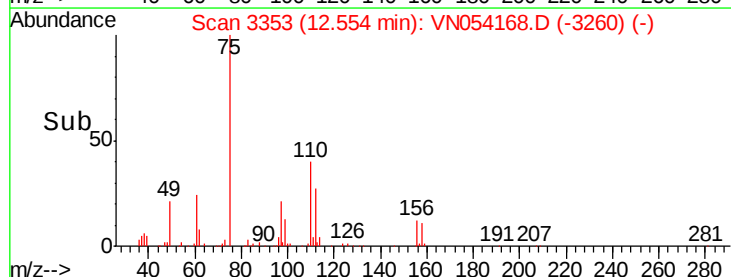
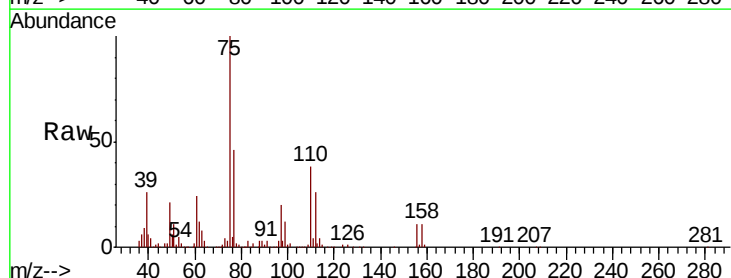
Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Tgt Ion: 75 Resp: 265064
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





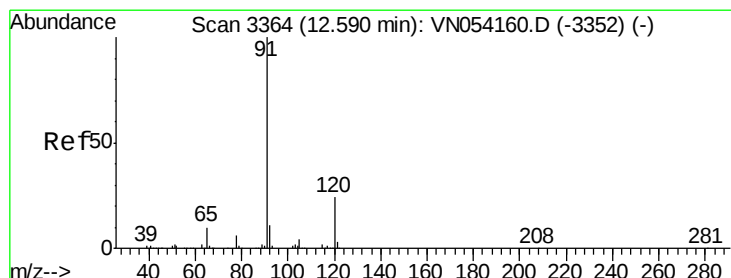
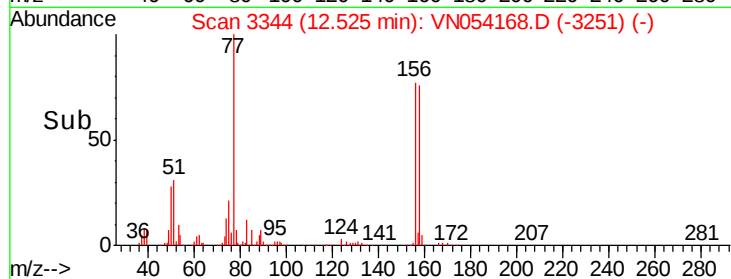
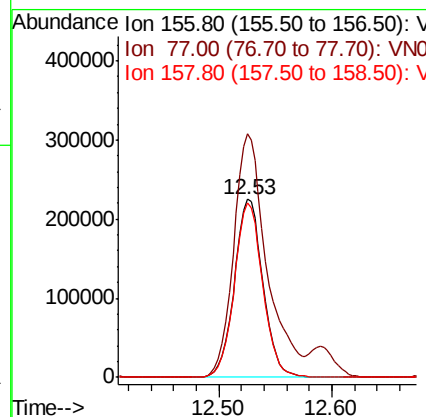
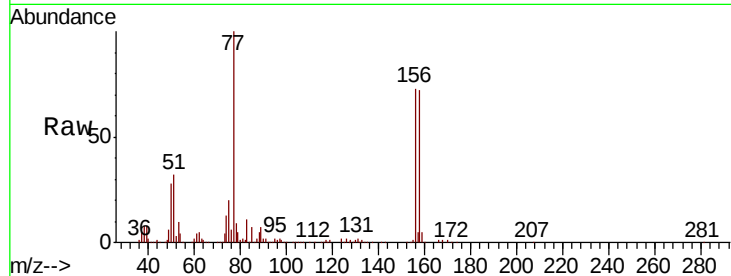
#77
Bromobenzene
Concen: 20.125 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	159.0	81.5	244.4
158	97.5	49.0	147.2

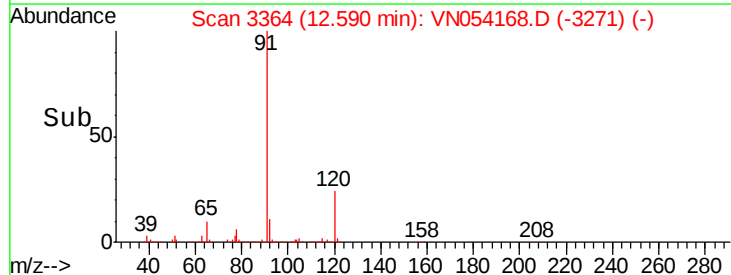
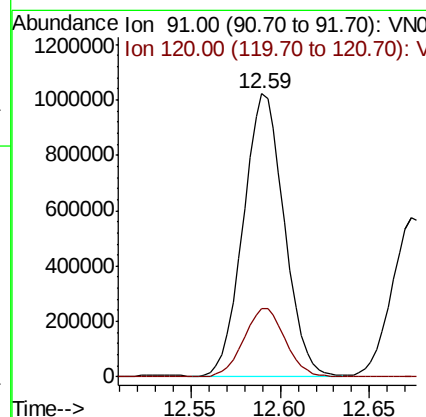
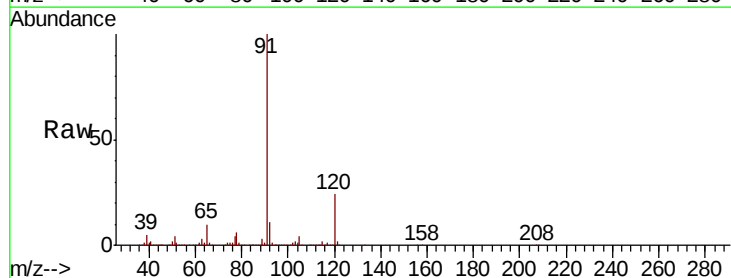
Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#78
n-propylbenzene
Concen: 20.365 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.154 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tgt Ion: 91 Resp: 972111

Ion Ratio Lower Upper

91 100

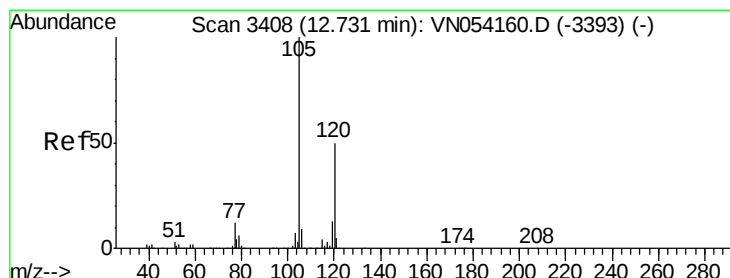
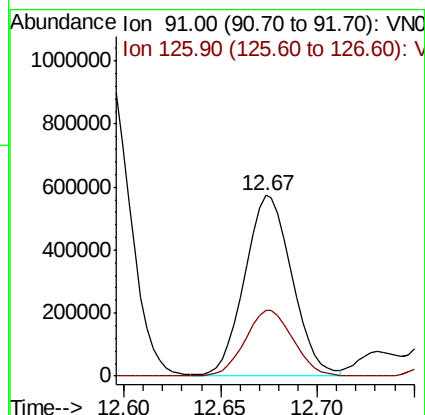
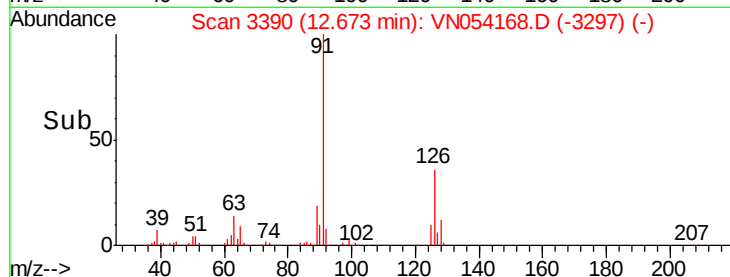
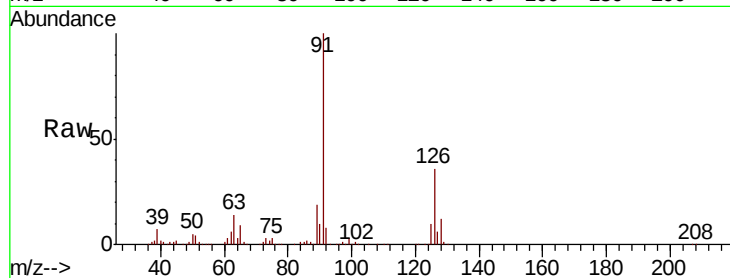
126 37.2 18.7 56.1

Manual Integrations

APPROVED

MMDadoda

3/13/2019 11:49:32 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.077 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054168.D

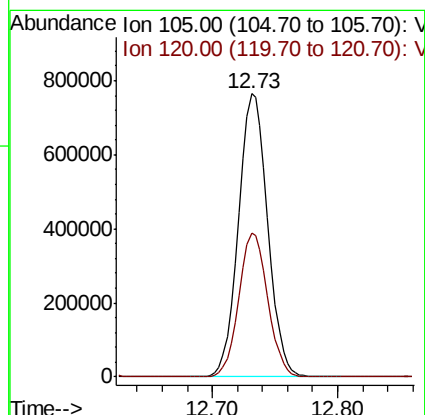
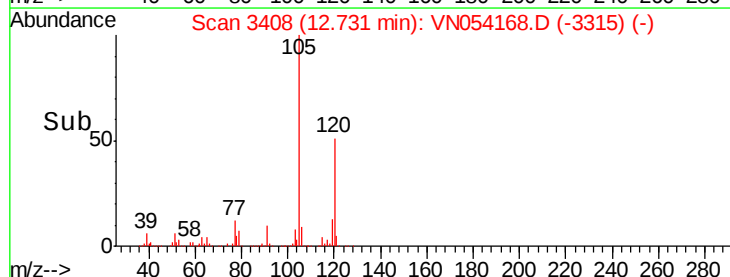
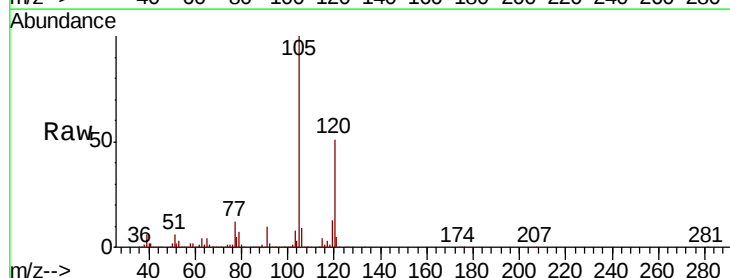
Acq: 12 Mar 2019 17:23

Tgt Ion: 105 Resp: 1234635

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0





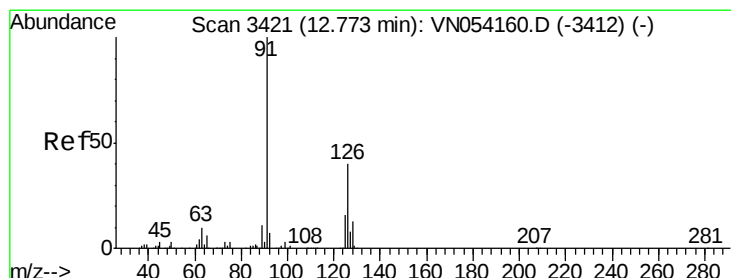
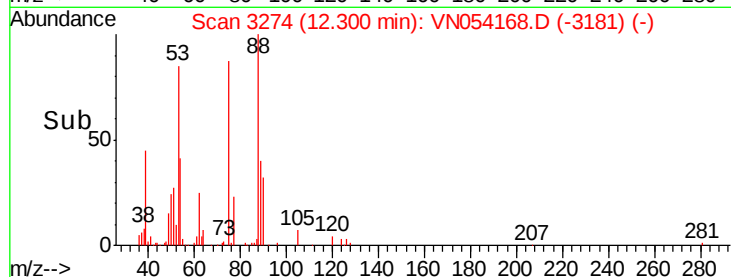
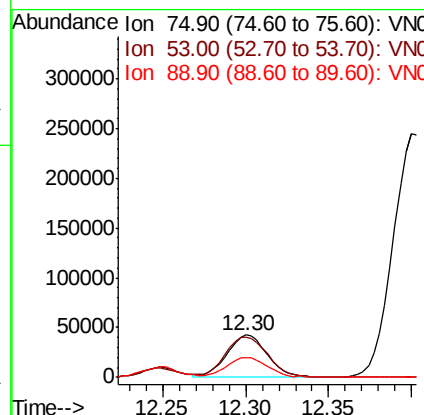
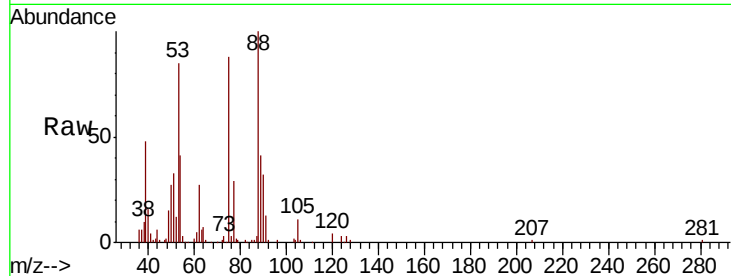
#81
trans-1,4-Dichloro-2-butene
Concen: 17.874 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.4	76.2	114.2
89	48.4	39.2	58.8

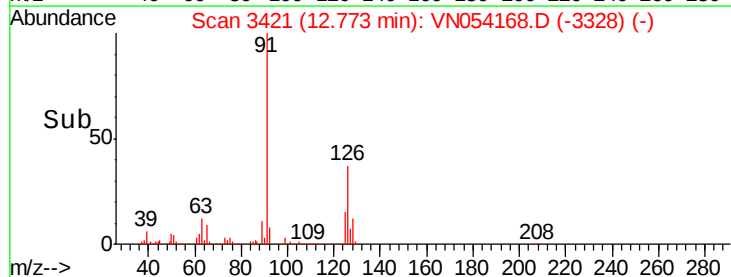
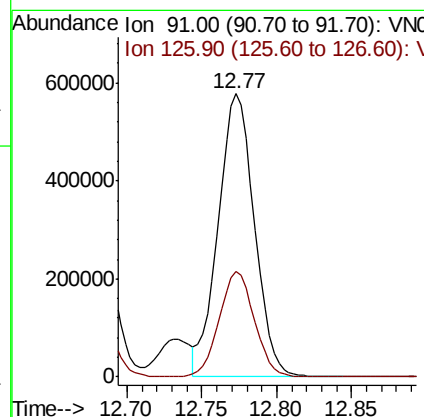
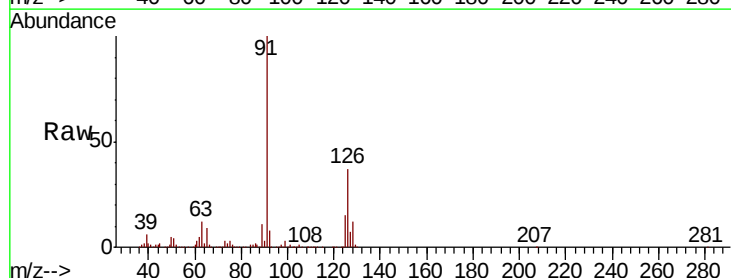
Manual Integrations
APPROVED

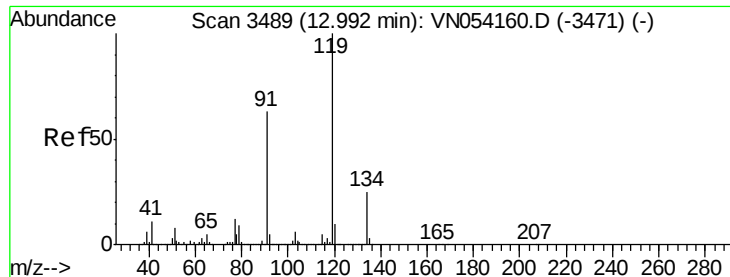
MMDadoda
3/13/2019 11:49:32 AM



#82
4-Chlorotoluene
Concen: 20.162 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.1





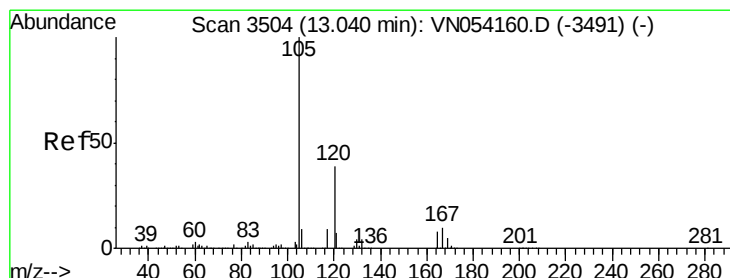
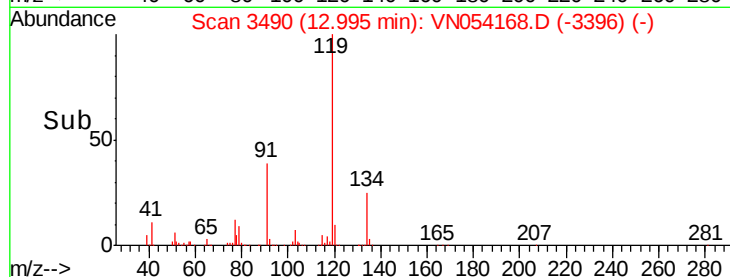
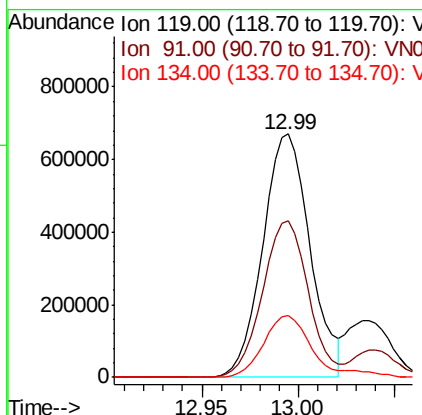
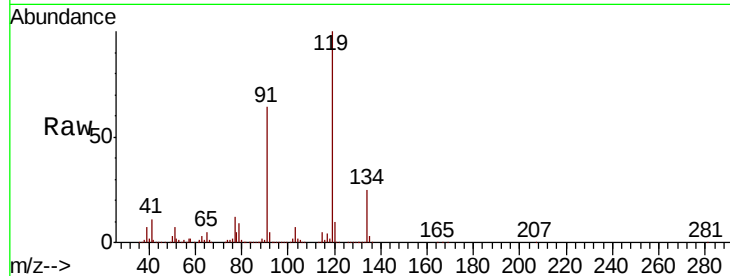
#83
tert-Butylbenzene
Concen: 20.121 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.9	92.8
134	26.7	13.2	39.6

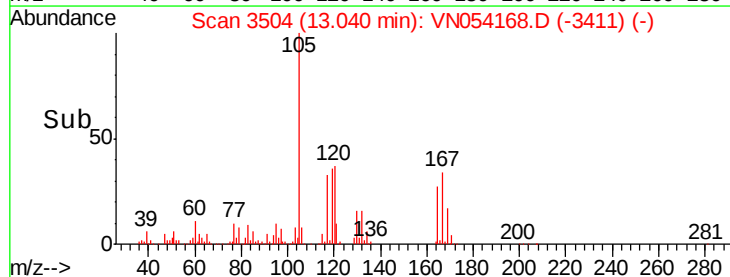
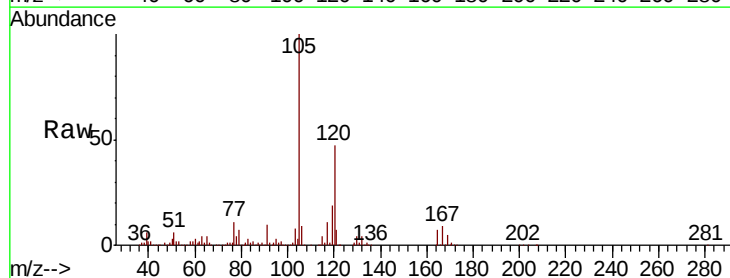
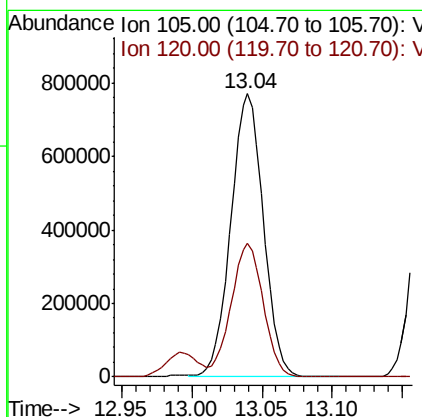
Manual Integrations
APPROVED

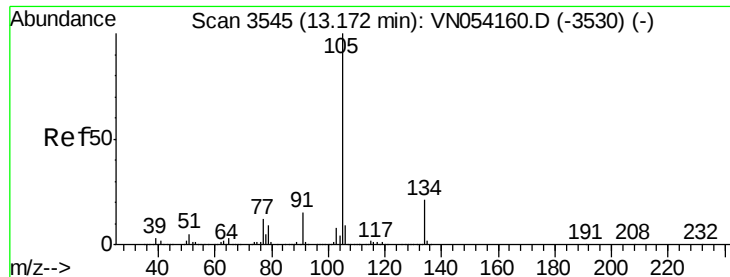
MMDadoda
3/13/2019 11:49:32 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.595 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.332 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tgt Ion:105 Resp: 1492438

Ion Ratio Lower Upper

105 100

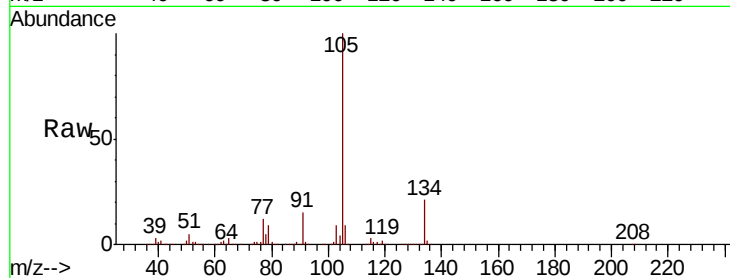
134 21.1 10.7 32.1

Manual Integrations

APPROVED

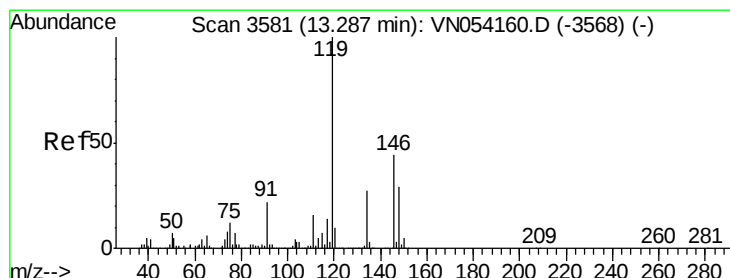
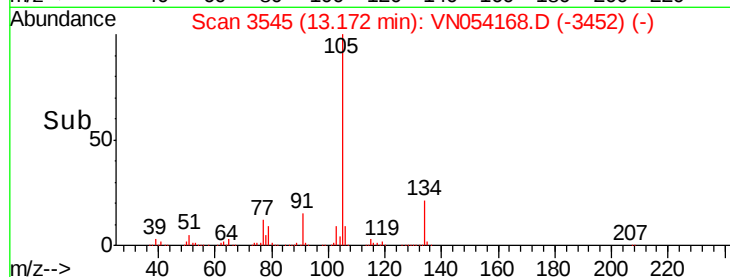
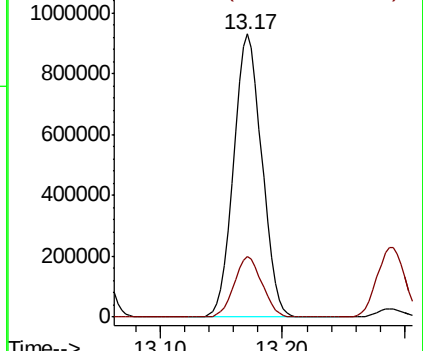
MMDadoda

3/13/2019 11:49:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.228 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

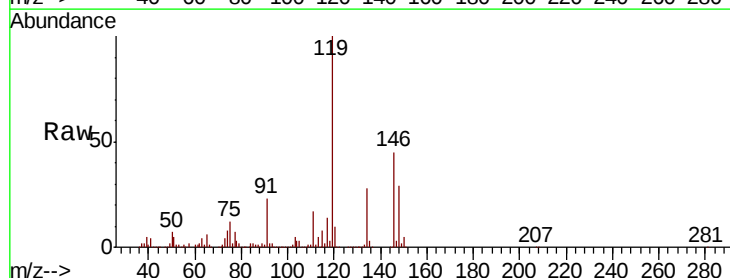
Tgt Ion:119 Resp: 1302626

Ion Ratio Lower Upper

119 100

134 27.9 13.6 40.8

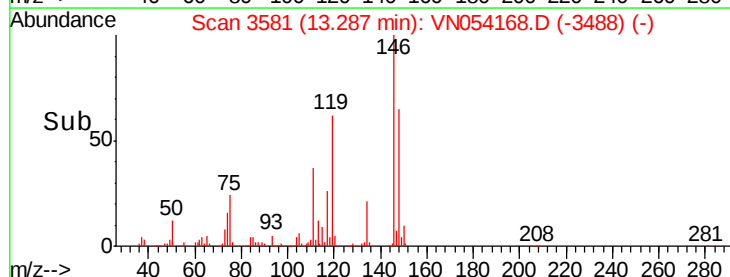
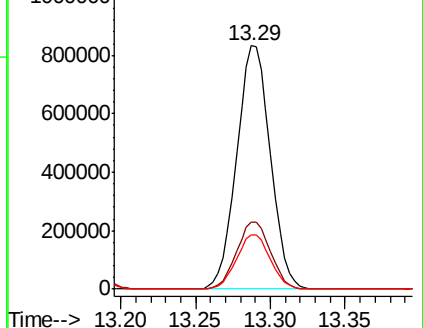
91 22.4 11.1 33.3

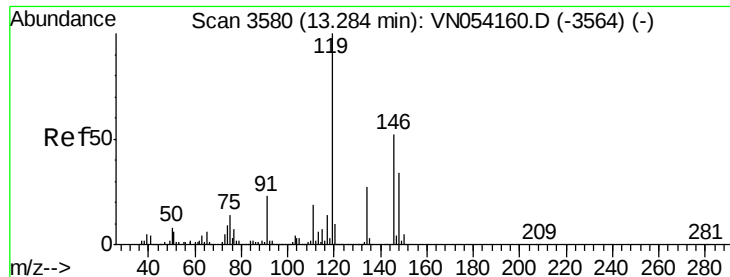


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





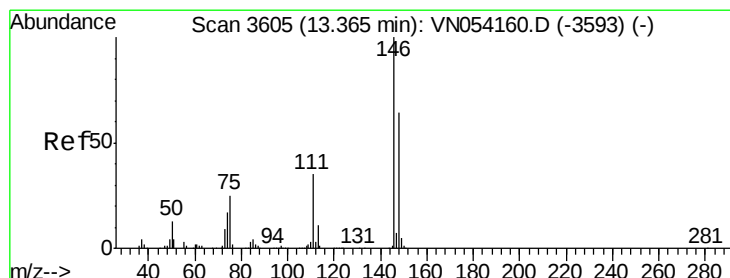
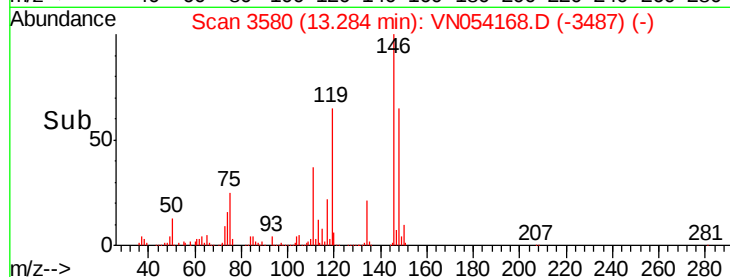
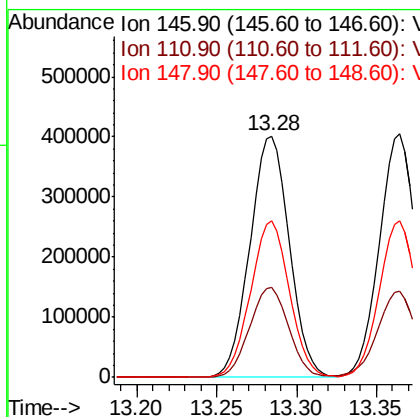
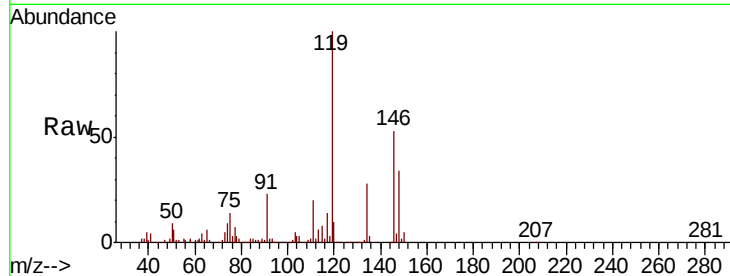
#87
 1,3-Dichlorobenzene
 Concen: 20.664 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	681180		
111	36.8	18.8	56.3	
148	63.9	32.2	96.6	

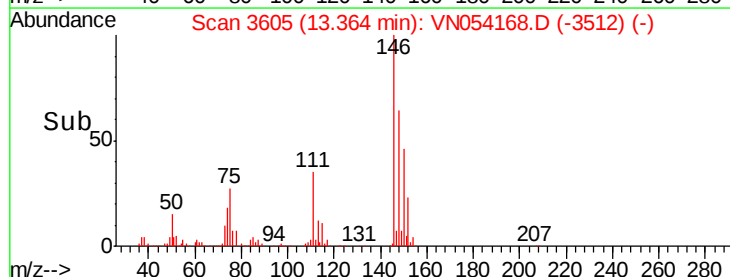
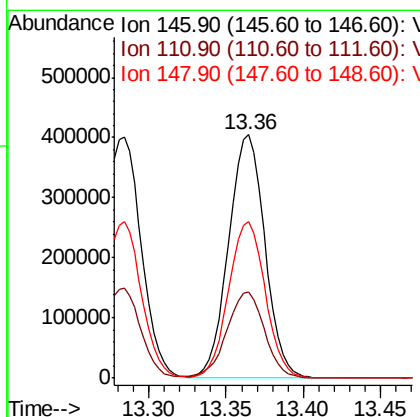
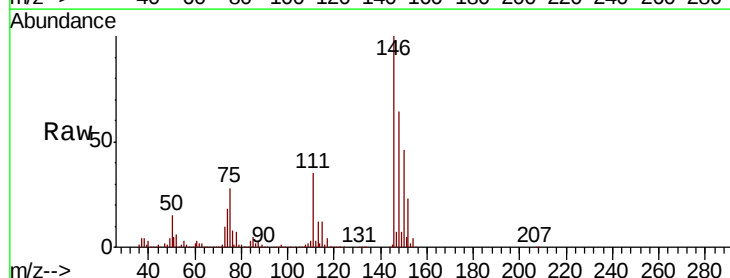
Manual Integrations
 APPROVED

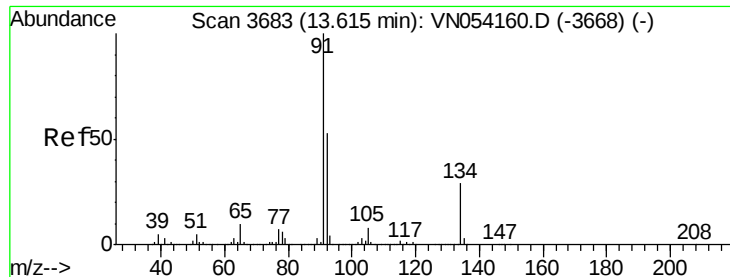
MMDadoda
 3/13/2019 11:49:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.353 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	659108		
111	36.8	18.1	54.1	
148	65.1	32.0	96.0	





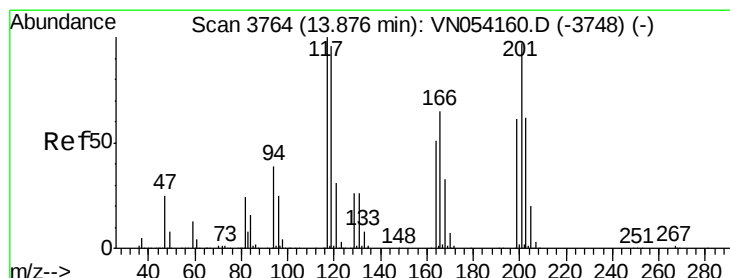
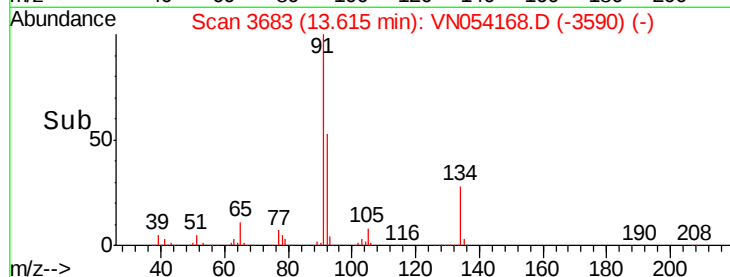
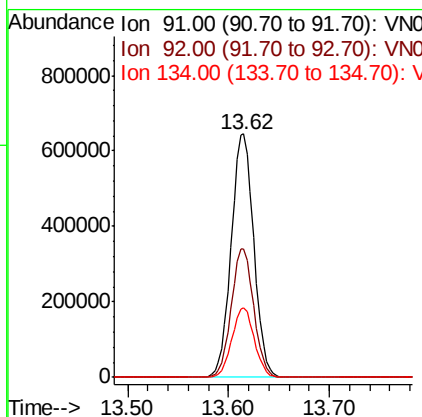
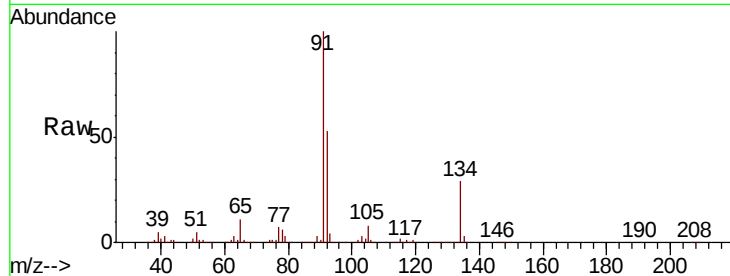
#89
n-Butylbenzene
Concen: 20.582 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion: 91 Resp: 1007069
Ion Ratio Lower Upper
91 100
92 52.5 26.2 78.6
134 28.4 14.3 42.9

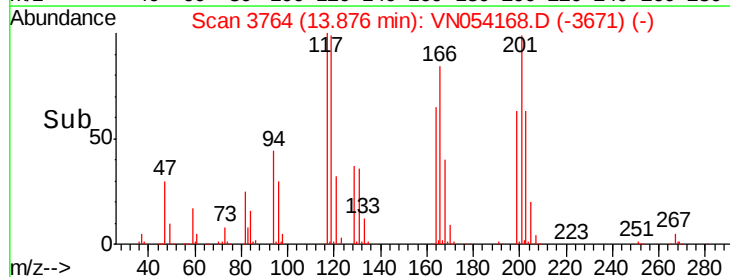
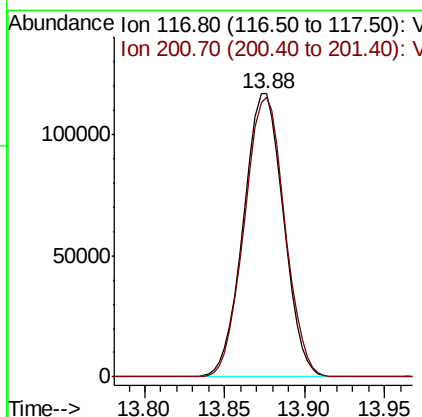
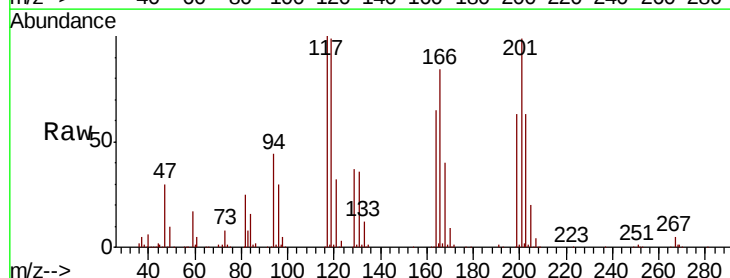
Manual Integrations
APPROVED

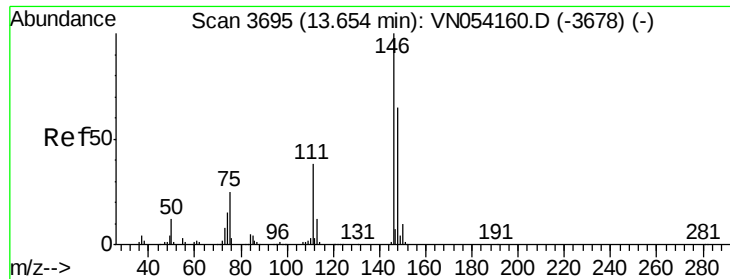
MMDadoda
3/13/2019 11:49:32 AM



#90
Hexachloroethane
Concen: 18.650 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 117 Resp: 198868
Ion Ratio Lower Upper
117 100
201 99.7 48.1 144.4





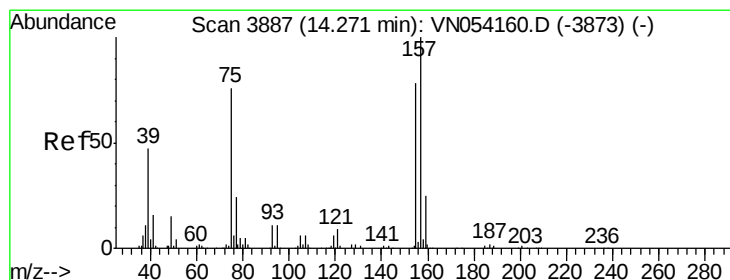
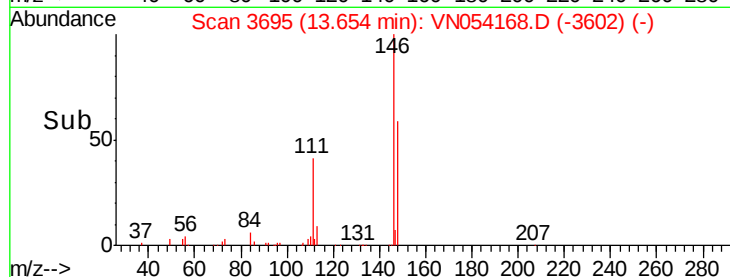
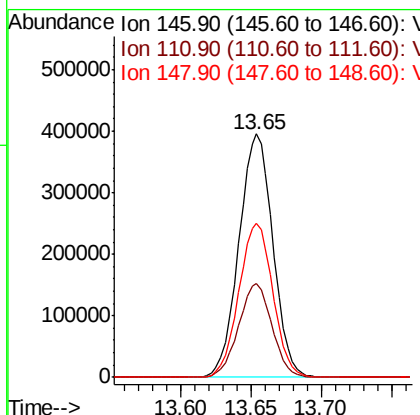
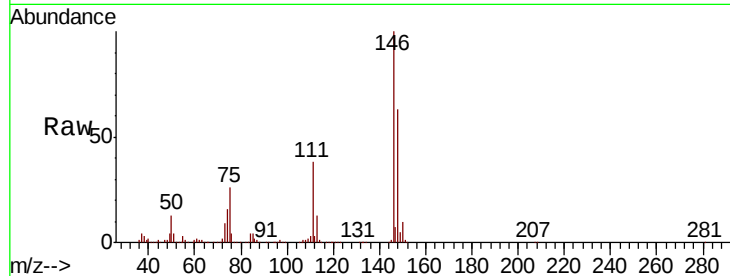
#91
 1,2-Dichlorobenzene
 Concen: 20.699 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0312WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	63.4	32.4	97.0

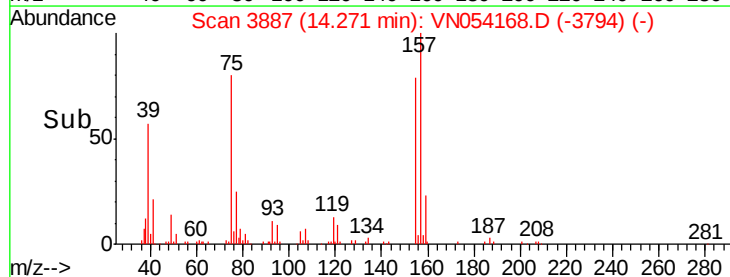
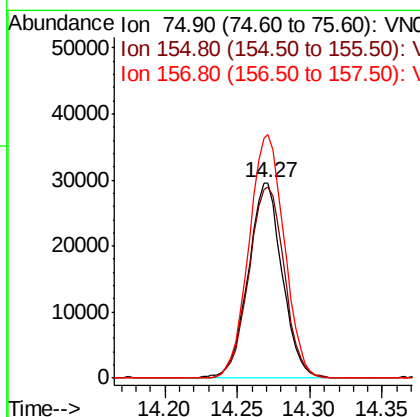
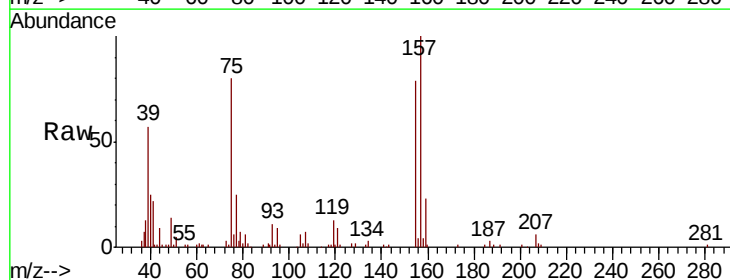
Manual Integrations
 APPROVED

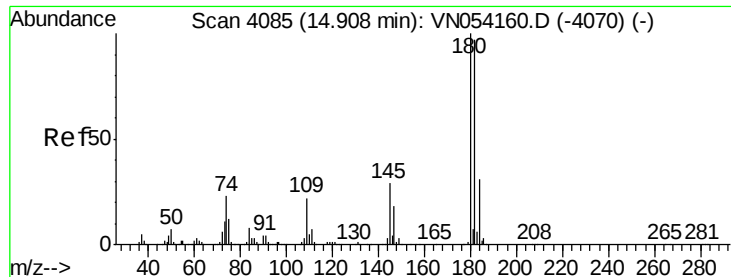
MMDadoda
 3/13/2019 11:49:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.908 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	50.1	150.3
157	128.9	63.1	189.3





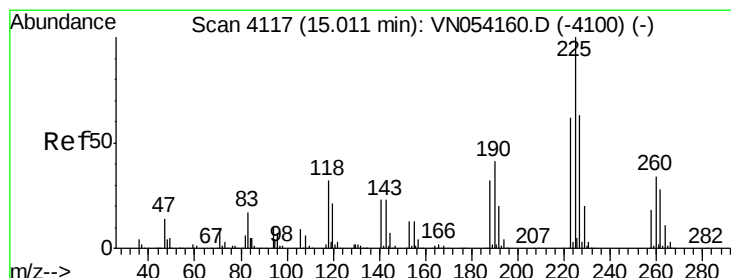
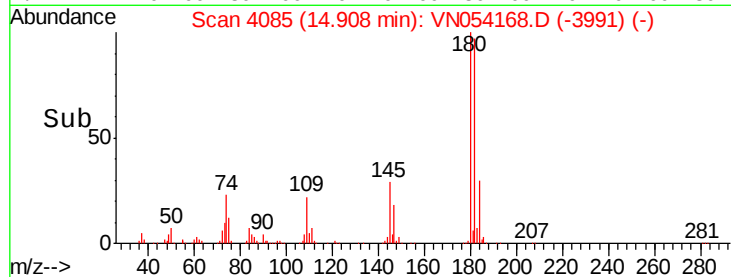
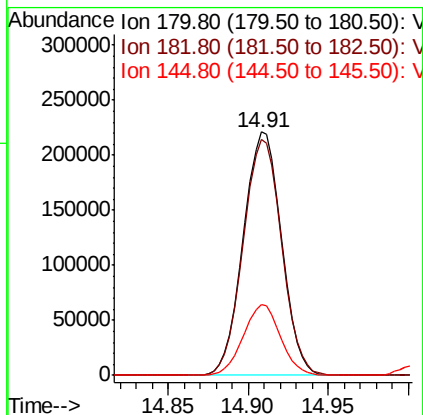
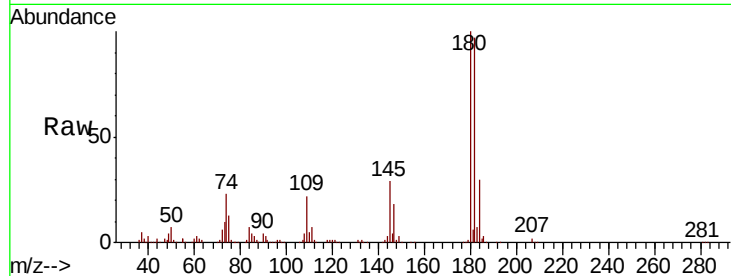
#93
 1,2,4-Trichlorobenzene
 Concen: 20.107 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	360378		
182	97.6	48.0	144.2	
145	28.2	14.2	42.8	

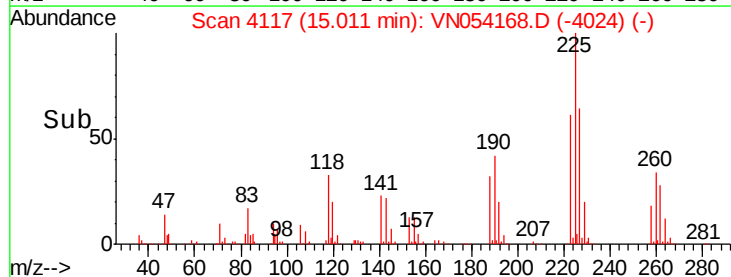
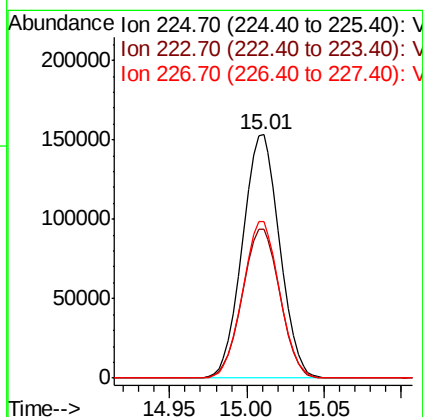
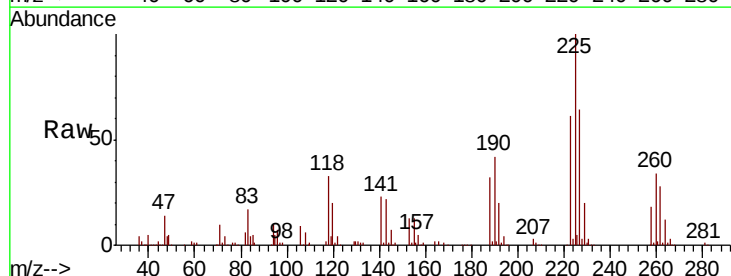
Manual Integrations
 APPROVED

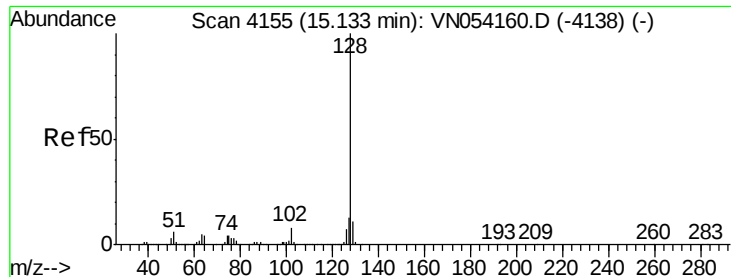
MMDadoda
 3/13/2019 11:49:32 AM



#94
 Hexachlorobutadiene
 Concen: 20.883 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	256335		
223	61.8	31.1	93.5	
227	63.9	31.9	95.9	





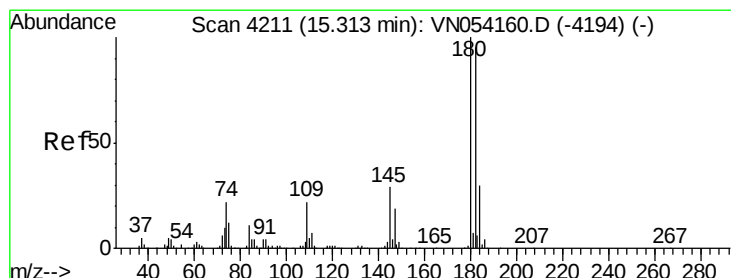
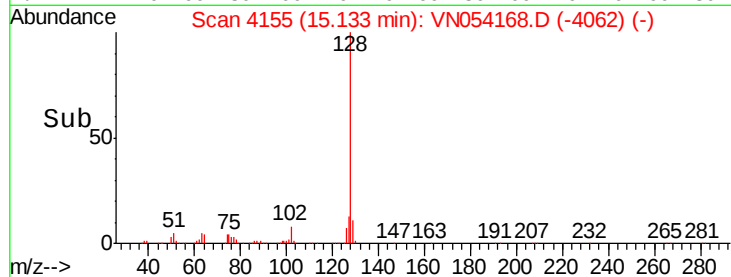
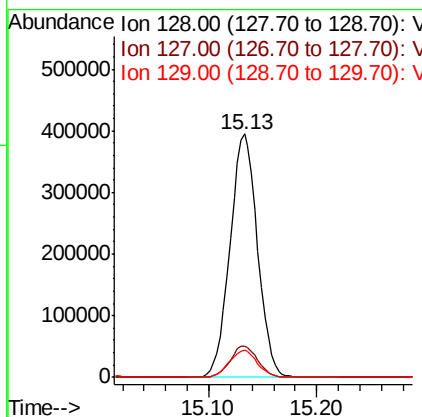
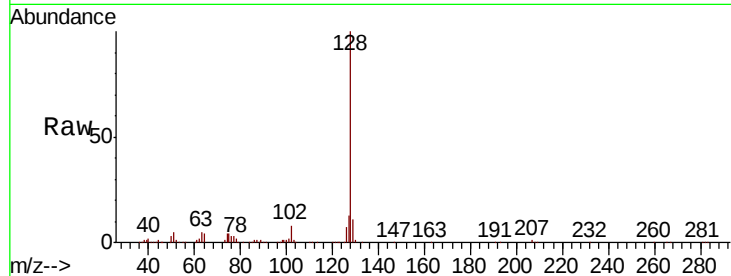
#95
Naphthalene
Concen: 19.541 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	699947		
127	12.9	10.1	15.1	
129	11.3	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.393 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	366296		
182	95.8	47.5	142.6	
145	30.3	14.8	44.3	

