

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054767.D
 Acq On : 29 Mar 2019 13:41
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:28 PM

Quant Time: Mar 30 03:15:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	465266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	725981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	640340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	294510	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	293286	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	237627	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.09	98	895658	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	311271	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	227552	48.352	ug/l	99
3) Chloromethane	2.06	50	311211	47.826	ug/l	99
4) Vinyl Chloride	2.19	62	275657	47.173	ug/l	98
5) Bromomethane	2.57	94	161030	52.681	ug/l	97
6) Chloroethane	2.71	64	153041	46.902	ug/l	99
7) Trichlorofluoromethane	3.02	101	346491	48.229	ug/l	99
8) Diethyl Ether	3.41	74	115301	49.842	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	188240	49.773	ug/l	93
10) Methyl Iodide	3.94	142	261359	50.481	ug/l #	89
11) Tert butyl alcohol	4.81	59	79392	242.954	ug/l	100
12) 1,1-Dichloroethene	3.73	96	181234	49.554	ug/l #	74
13) Acrolein	3.61	56	75048	256.896	ug/l	97
14) Allyl chloride	4.32	41	438656	48.694	ug/l #	91
15) Acrylonitrile	5.00	53	456946	251.576	ug/l	100
16) Acetone	3.82	43	402298	268.982	ug/l #	82
17) Carbon Disulfide	4.04	76	579700	48.870	ug/l	98
18) Methyl Acetate	4.33	43	199103	51.130	ug/l #	90
19) Methyl tert-butyl Ether	5.05	73	640045	50.031	ug/l	95
20) Methylene Chloride	4.55	84	250697	47.519	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	233995	48.711	ug/l	85
22) Diisopropyl ether	5.96	45	893185	50.131	ug/l #	94
23) Vinyl Acetate	5.90	43	3255768	262.585	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	465845	49.014	ug/l	97
25) 2-Butanone	6.84	43	607711	274.879	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	342894	51.475	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	268902	49.552	ug/l	87
28) Bromochloromethane	7.19	49	237860	50.050	ug/l #	72
29) Tetrahydrofuran	7.22	42	383848	249.978	ug/l #	83
30) Chloroform	7.37	83	444268	49.022	ug/l	99
31) Cyclohexane	7.65	56	454180	52.550	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	375389	49.982	ug/l	95
36) 1,1-Dichloropropene	7.79	75	345963	51.142	ug/l	96
37) Ethyl Acetate	6.94	43	264678	53.354	ug/l	95
38) Carbon Tetrachloride	7.77	117	331724	50.488	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054767.D
 Acq On : 29 Mar 2019 13:41
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN032919

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:28 PM

Quant Time: Mar 30 03:15:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	400529	53.856	ug/l	89
40) Benzene	8.04	78	1008106	52.081	ug/l	100
41) Methacrylonitrile	7.17	41	138176	49.584	ug/l	93
42) 1,2-Dichloroethane	8.12	62	361233	52.266	ug/l	97
43) Isopropyl Acetate	8.17	43	443130	54.975	ug/l #	94
44) Trichloroethene	8.83	130	264262	52.592	ug/l	92
45) 1,2-Dichloropropane	9.12	63	283405	51.348	ug/l	97
46) Dibromomethane	9.21	93	160796	51.789	ug/l	88
47) Bromodichloromethane	9.40	83	341844	52.976	ug/l	97
48) Methyl methacrylate	9.20	41	228330	52.256	ug/l	87
49) 1,4-Dioxane	9.20	88	42231	974.090	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1229736	271.355	ug/l	94
52) Toluene	10.16	92	608132	52.799	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	342110	56.361	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	409311	56.450	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	218748	51.076	ug/l	97
56) Ethyl methacrylate	10.43	69	305631	54.401	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	392159	53.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	638877	263.413	ug/l #	89
59) 2-Hexanone	10.75	43	809168	278.918	ug/l	90
60) Dibromochloromethane	10.90	129	240960	55.542	ug/l	99
61) 1,2-Dibromoethane	11.00	107	217911	53.242	ug/l	99
64) Tetrachloroethene	10.63	164	246483	50.162	ug/l	95
65) Chlorobenzene	11.43	112	644752	51.427	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	238811	50.891	ug/l	97
67) Ethyl Benzene	11.51	91	1174838	51.929	ug/l	98
68) m/p-Xylenes	11.62	106	882713	105.433	ug/l	95
69) o-Xylene	11.95	106	425345	51.809	ug/l	96
70) Styrene	11.96	104	717371	54.649	ug/l	97
71) Bromoform	12.13	173	149911	54.530	ug/l	100
73) Isopropylbenzene	12.25	105	1129160	46.908	ug/l	98
74) N-amyl acetate	12.07	43	374436	49.928	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	271827	51.268	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	227771m	44.519	ug/l	
77) Bromobenzene	12.53	156	278455	47.930	ug/l	85
78) n-propylbenzene	12.59	91	1310347	49.526	ug/l	95
79) 2-Chlorotoluene	12.67	91	776715	47.452	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	955972	48.399	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	65132	49.517	ug/l #	84
82) 4-Chlorotoluene	12.77	91	782118	49.194	ug/l	96
83) tert-Butylbenzene	12.99	119	807646	52.894	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	948333	50.396	ug/l	97
85) sec-Butylbenzene	13.17	105	1046348	48.766	ug/l	97
86) p-Isopropyltoluene	13.29	119	952703	50.342	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	488215	50.193	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	471245	49.396	ug/l	98
89) n-Butylbenzene	13.61	91	821319	53.193	ug/l	97
90) Hexachloroethane	13.87	117	154145	47.974	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	475027	48.390	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42272	51.368	ug/l	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
Data File : VN054767.D
Acq On : 29 Mar 2019 13:41
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM

Quant Time: Mar 30 03:15:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	252063	53.261	ug/l	99
94) Hexachlorobutadiene	15.01	225	154118	55.206	ug/l	99
95) Naphthalene	15.13	128	533658	50.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	245859	51.439	ug/l	98

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

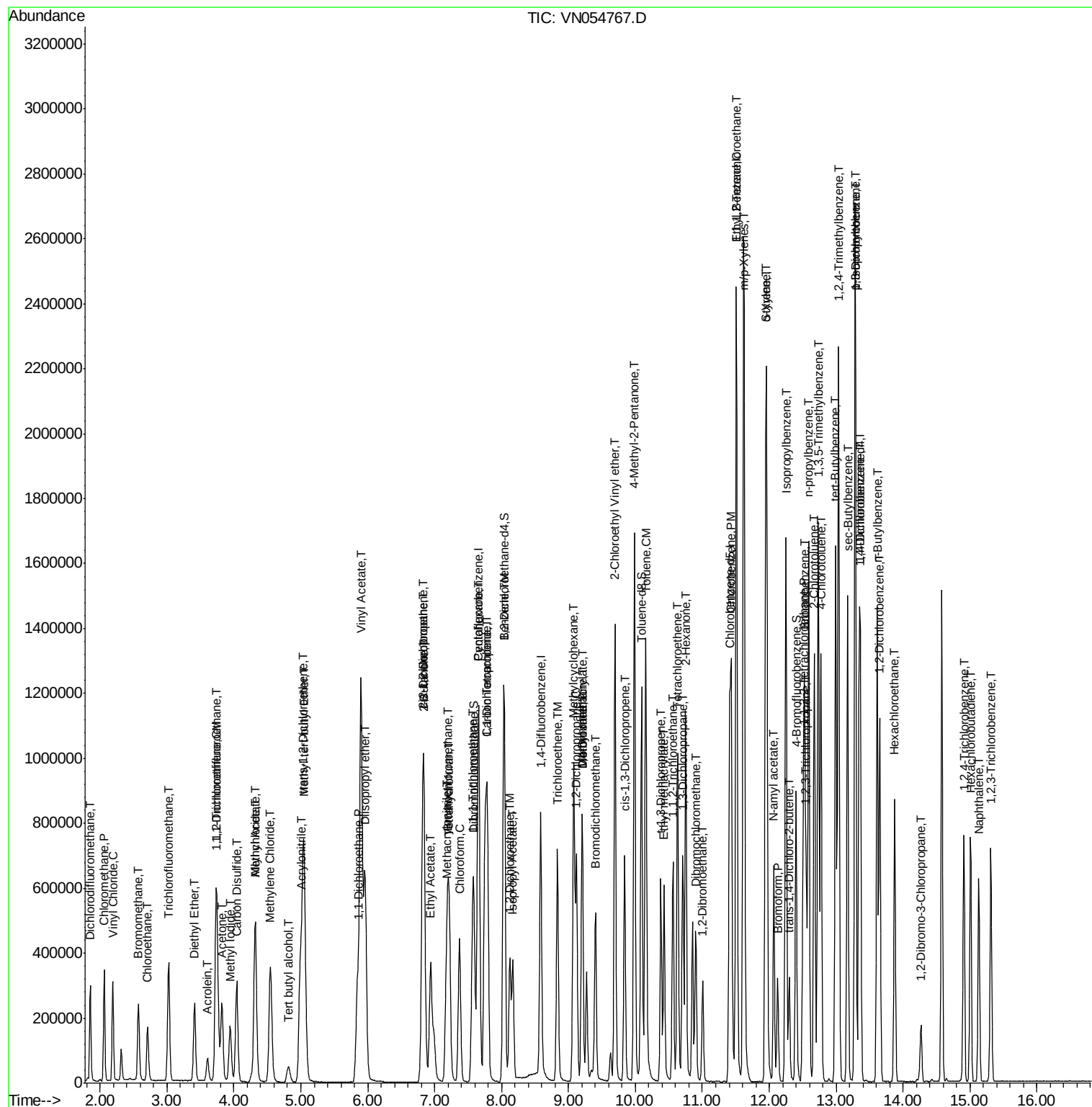
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032919\
Data File : VN054767.D
Acq On : 29 Mar 2019 13:41
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

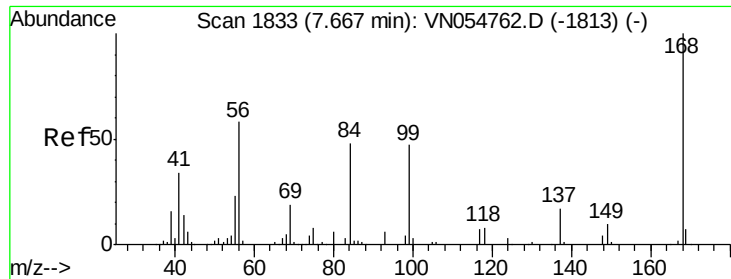
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM

Quant Time: Mar 30 03:15:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

ICVVN032919

Tot Ion:168 Resp: 465266

Ion Ratio Lower Upper

168 100

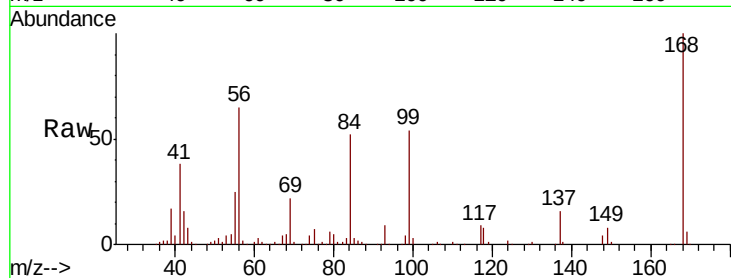
99 53.2 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

4/1/2019 4:00:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

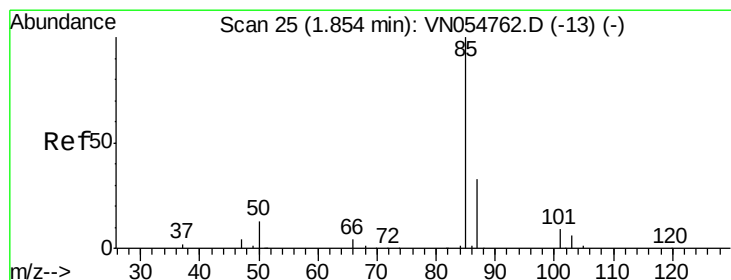
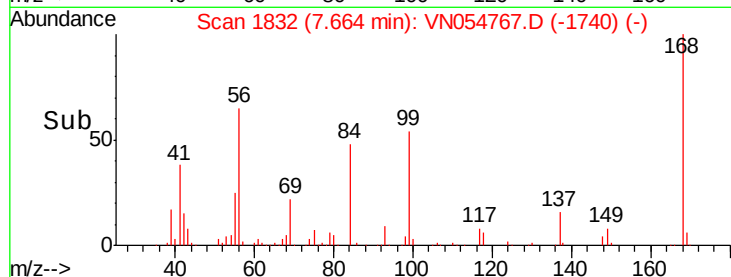
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.352 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054767.D

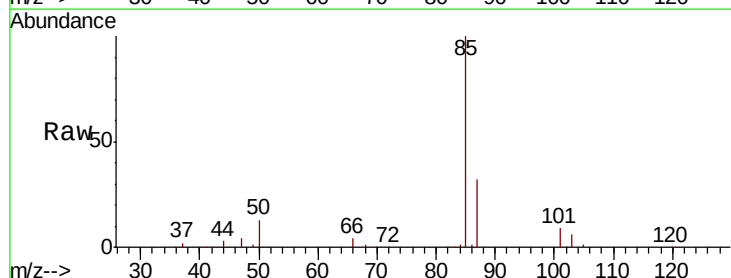
Acq: 29 Mar 2019 13:41

Tgt Ion: 85 Resp: 227552

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

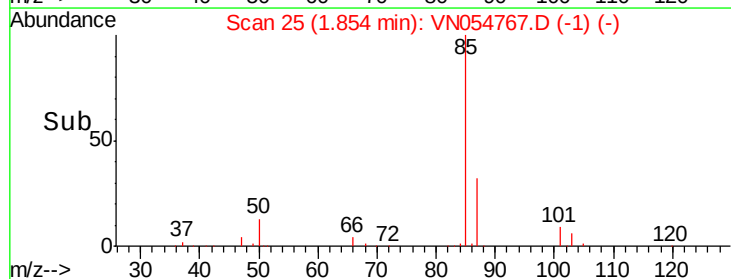
100000

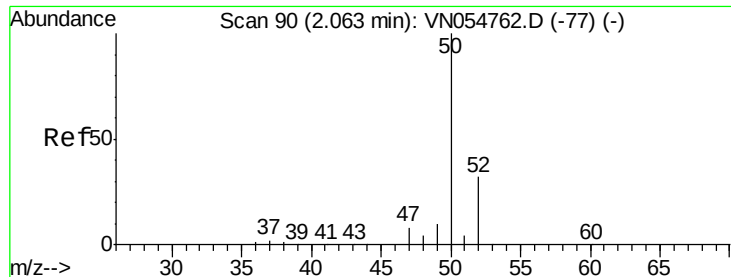
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.826 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

Tot Ion: 50 Resp: 311211

Ion Ratio Lower Upper

50 100

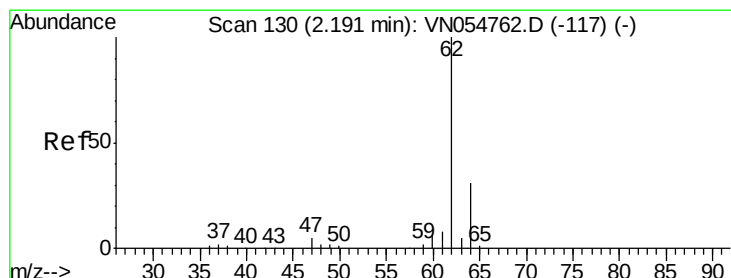
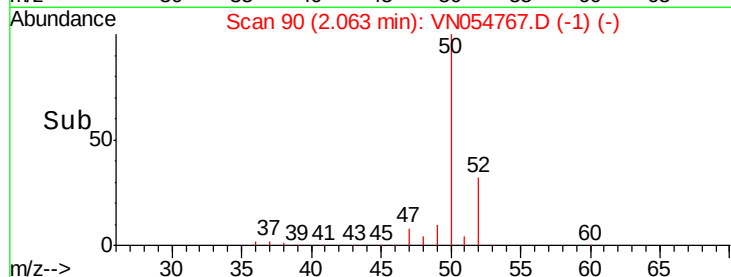
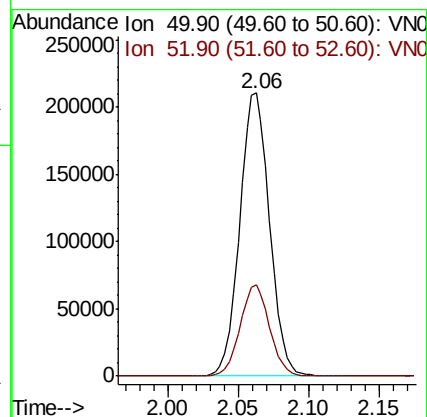
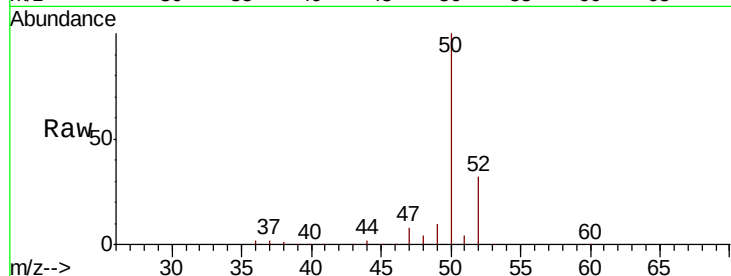
52 32.2 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

4/1/2019 4:00:28 PM



#4

Vinyl Chloride

Concen: 47.173 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054767.D

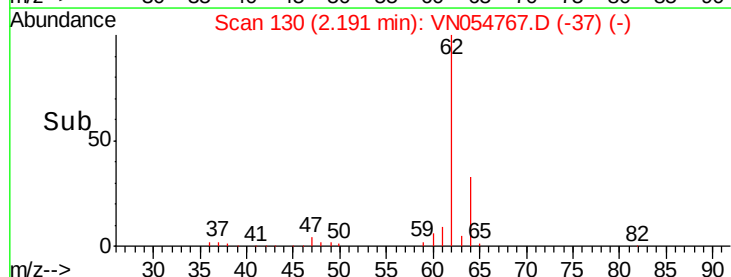
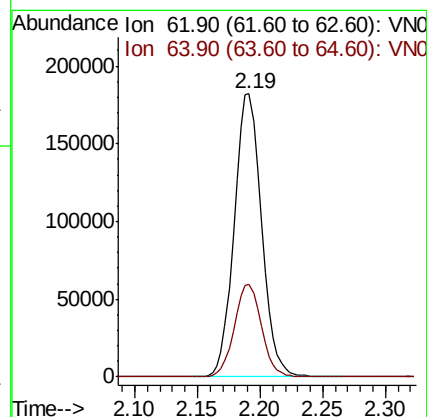
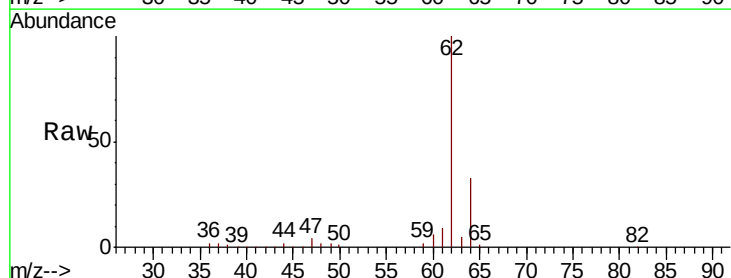
Acq: 29 Mar 2019 13:41

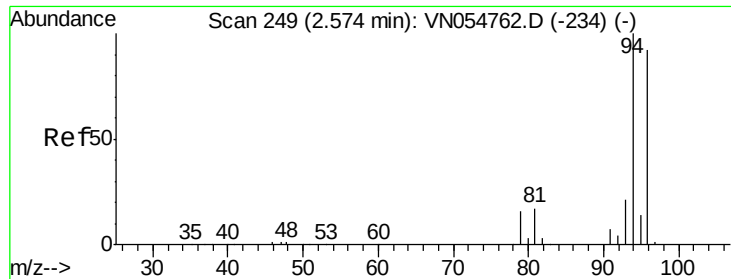
Tgt Ion: 62 Resp: 275657

Ion Ratio Lower Upper

62 100

64 32.9 25.5 38.3





#5

Bromomethane

Concen: 52.681 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

Tot Ion: 94 Resp: 161030

Ion Ratio Lower Upper

94 100

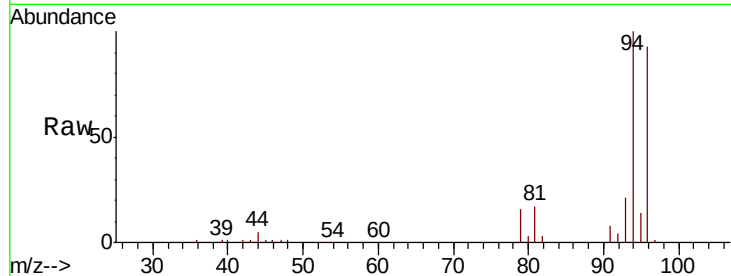
96 93.4 77.0 115.4

Manual Integrations

APPROVED

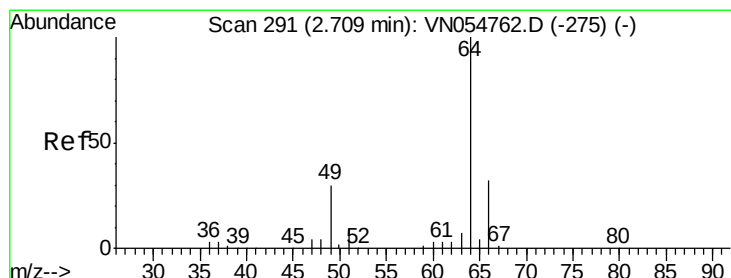
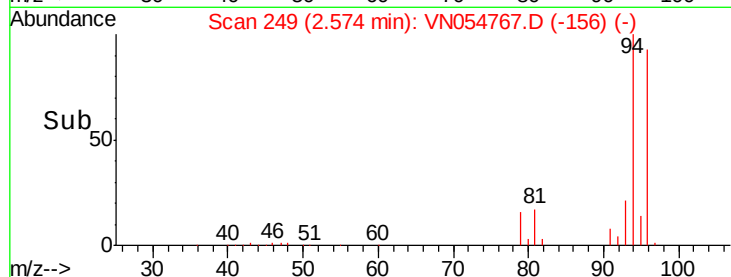
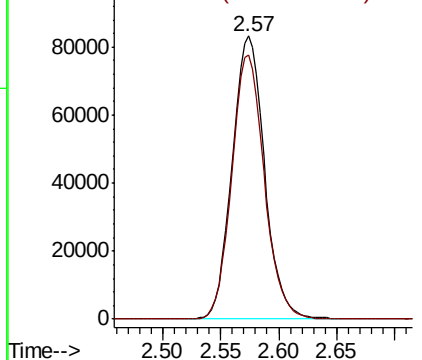
MMDadoda

4/1/2019 4:00:28 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.902 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054767.D

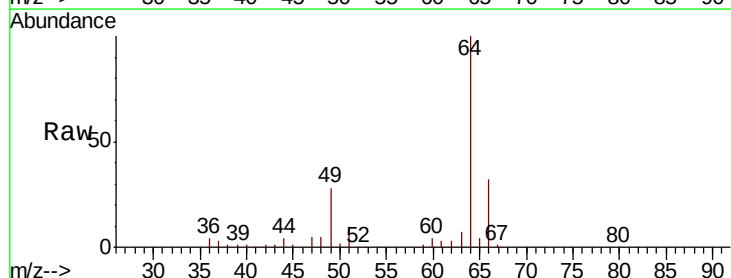
Acq: 29 Mar 2019 13:41

Tgt Ion: 64 Resp: 153041

Ion Ratio Lower Upper

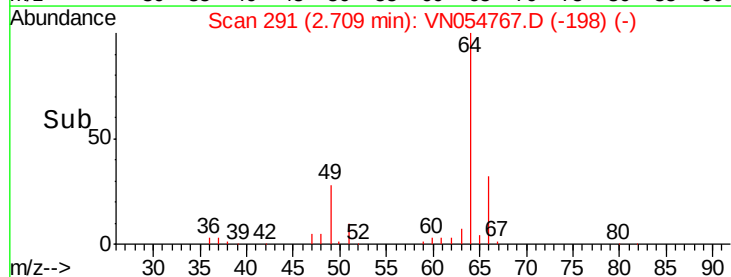
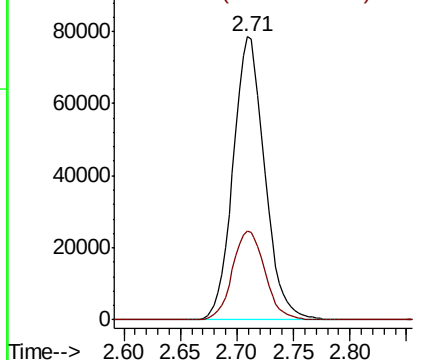
64 100

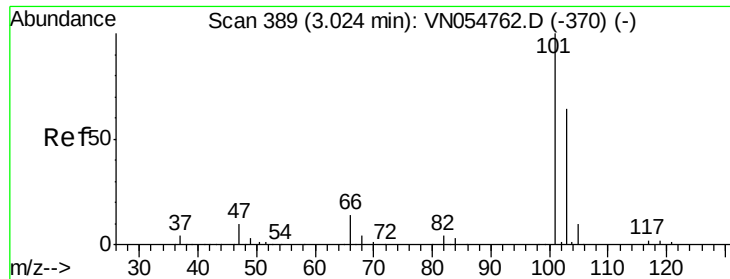
66 31.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

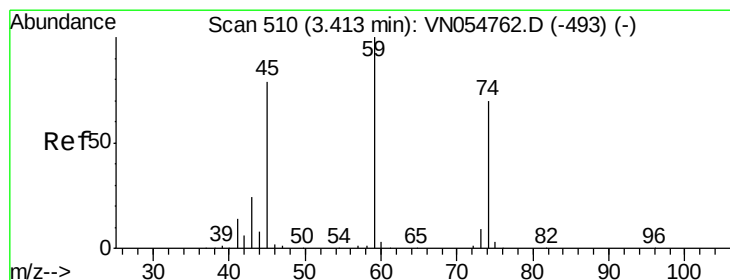
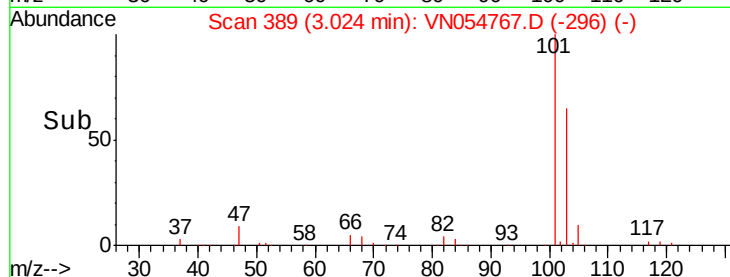
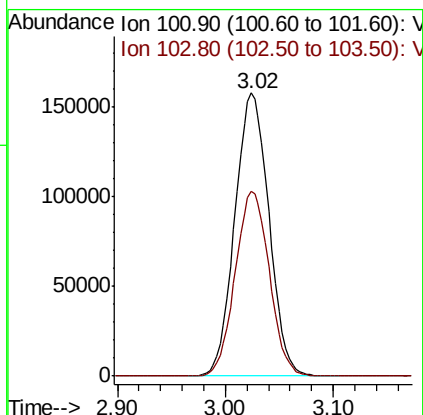
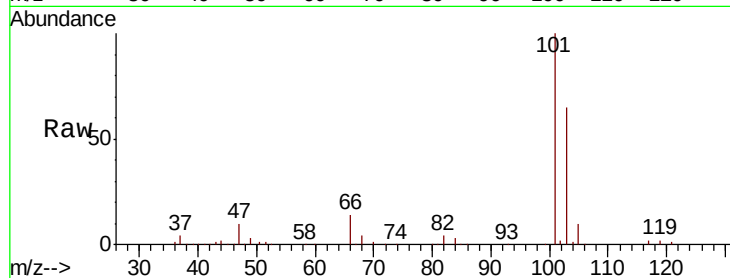
Trichlorofluoromethane
 Concen: 48.229 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2

Manual Integrations
 APPROVED

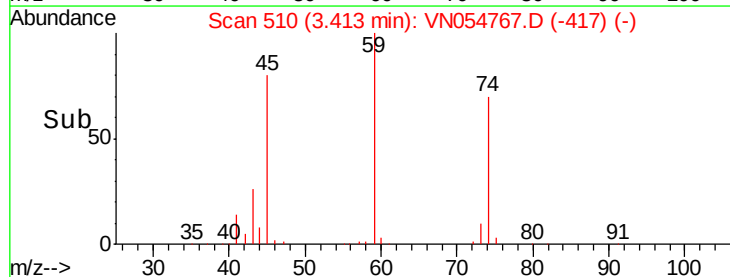
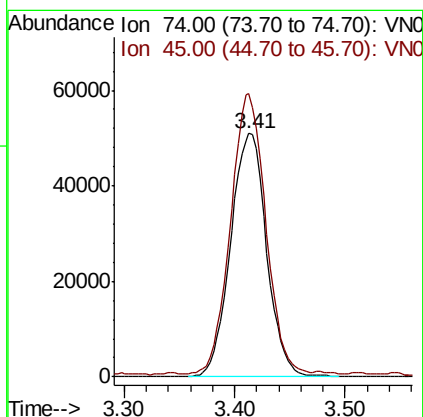
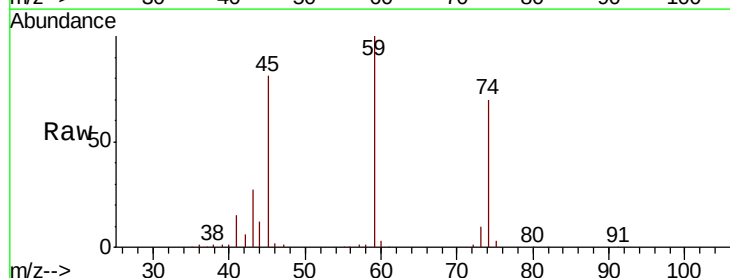
MMDadoda
 4/1/2019 4:00:28 PM

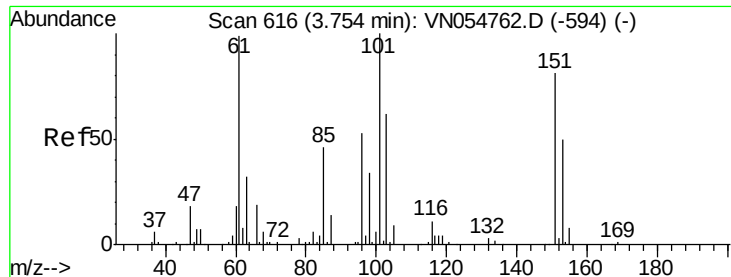


#8

Diethyl Ether
 Concen: 49.842 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.773 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

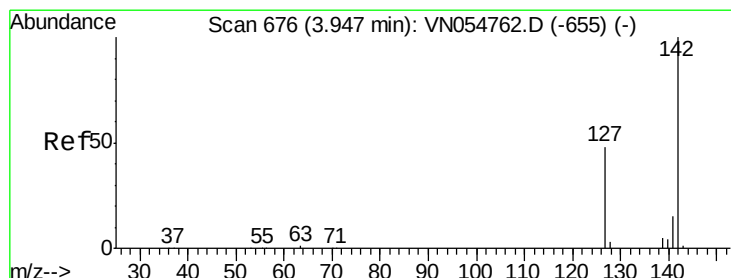
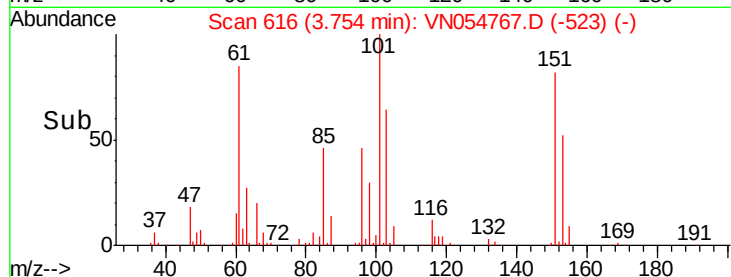
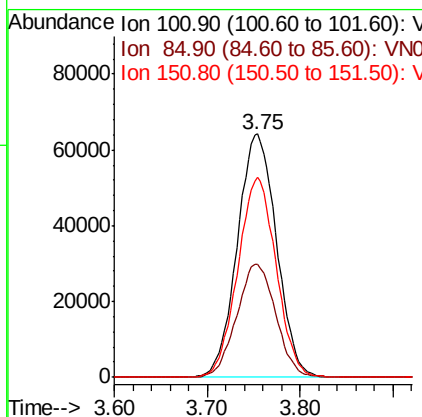
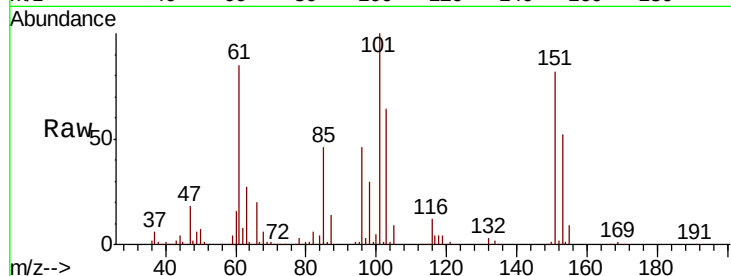
ClientSampleId :

ICVVN032919

Tot Ion:	101	Resp:	188240
Ion Ratio	Lower	Upper	
101	100		
85	46.2	32.4	48.6
151	80.4	68.2	102.2

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM



#10

Methyl Iodide

Concen: 50.481 ug/l

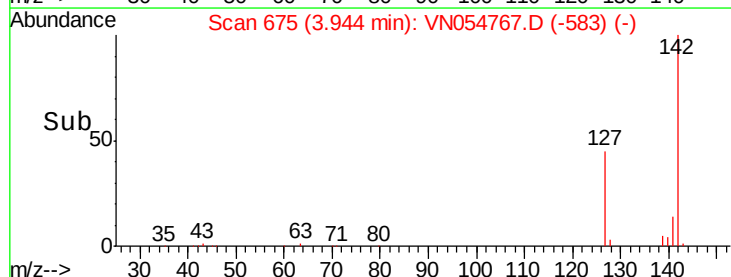
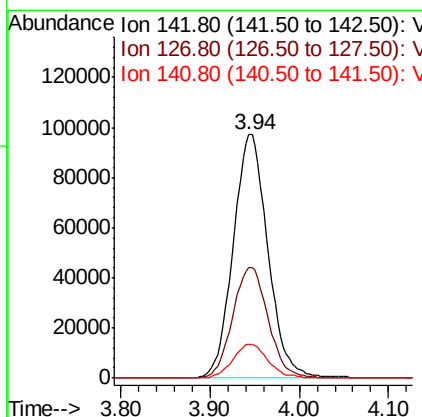
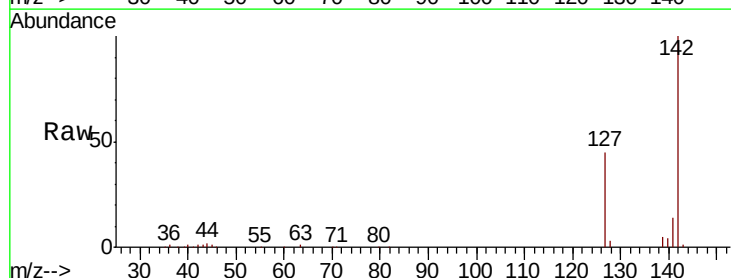
RT: 3.94 min Scan# 675

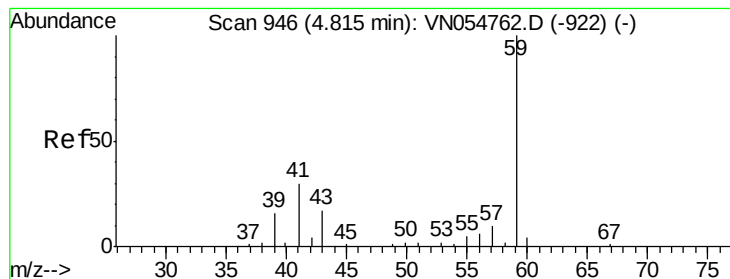
Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Tgt Ion:	142	Resp:	261359
Ion Ratio	Lower	Upper	
142	100		
127	46.5	30.3	45.5#
141	14.3	11.2	16.8





#11

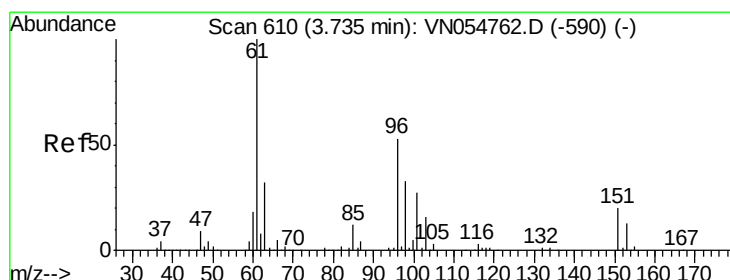
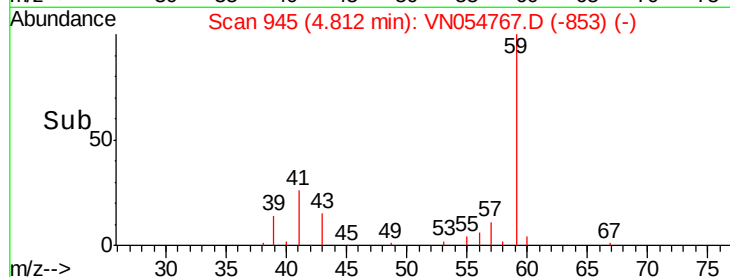
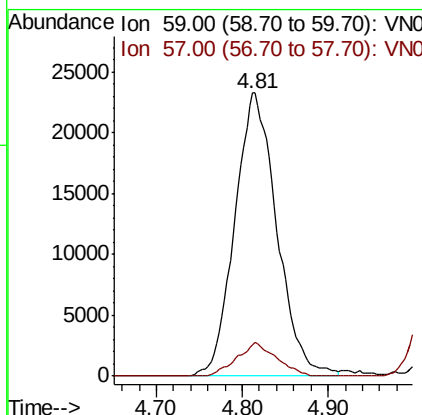
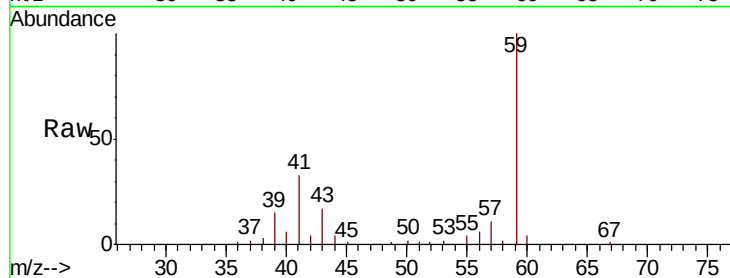
Tert butyl alcohol
Concen: 242.954 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.6

Manual Integrations
APPROVED

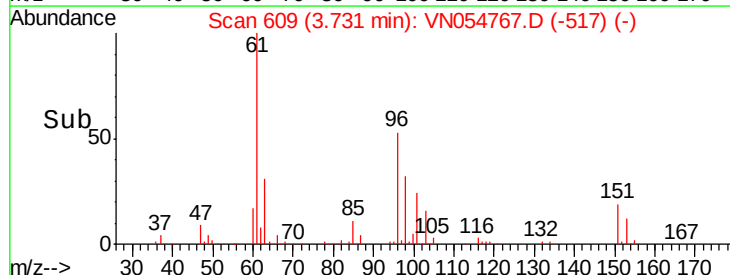
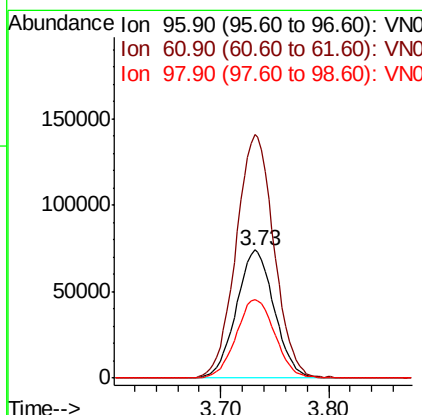
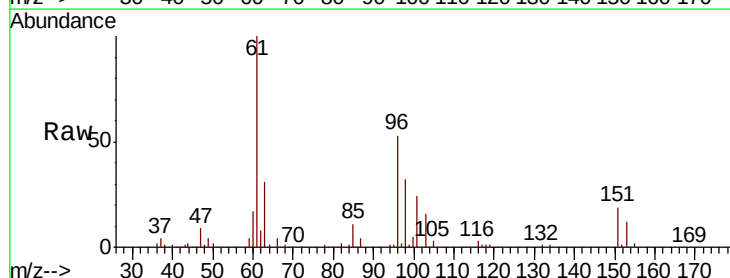
MMDadoda
4/1/2019 4:00:28 PM

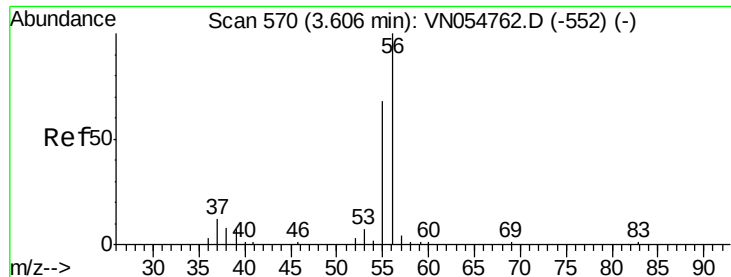


#12

1,1-Dichloroethene
Concen: 49.554 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.1	116.5	174.7#
98	61.1	51.0	76.4





#13

Acrolein

Concen: 256.896 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

Tot Ion: 56 Resp: 75048

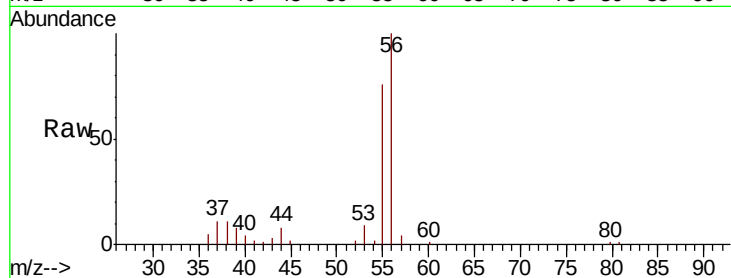
Ion Ratio Lower Upper

56 100

55 73.7 56.7 85.1

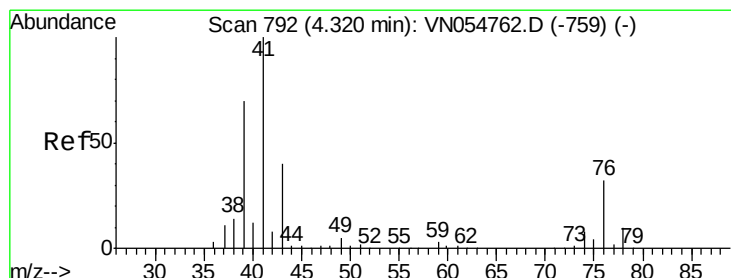
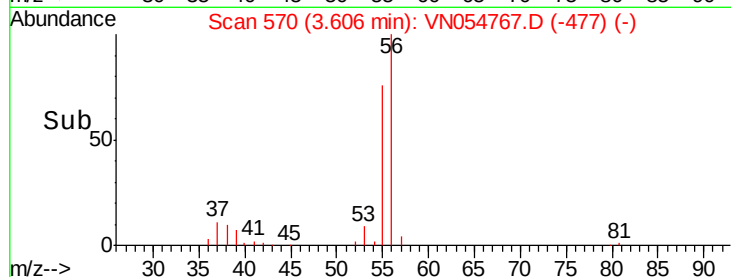
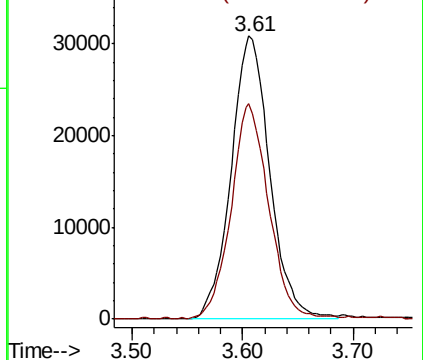
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.694 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

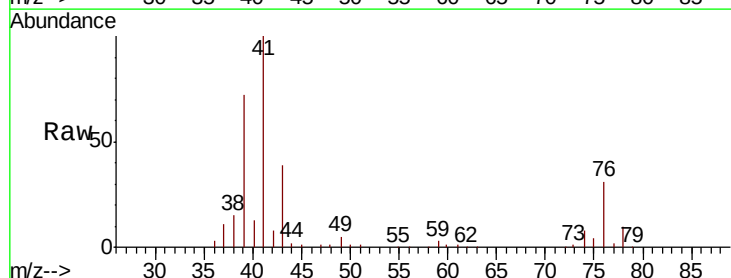
Tgt Ion: 41 Resp: 438656

Ion Ratio Lower Upper

41 100

39 68.6 58.2 87.4

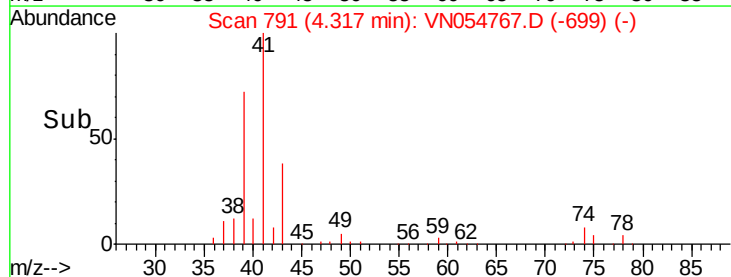
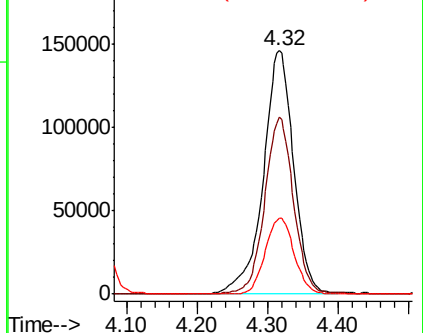
76 29.7 31.7 47.5#

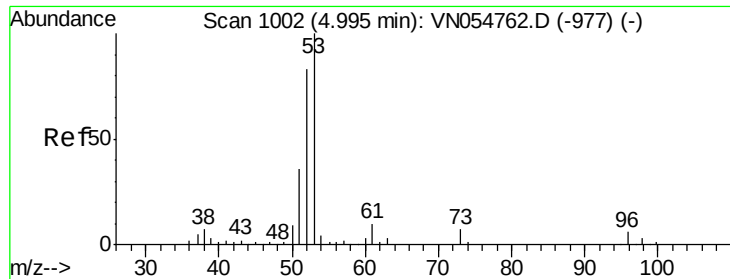


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





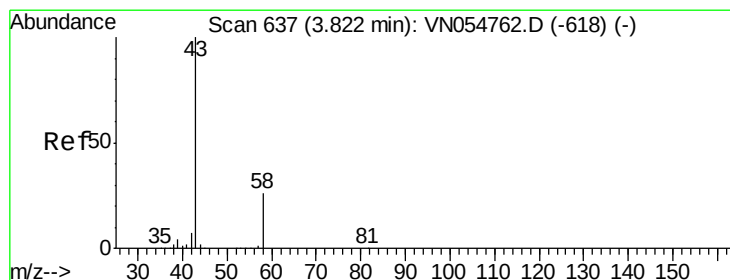
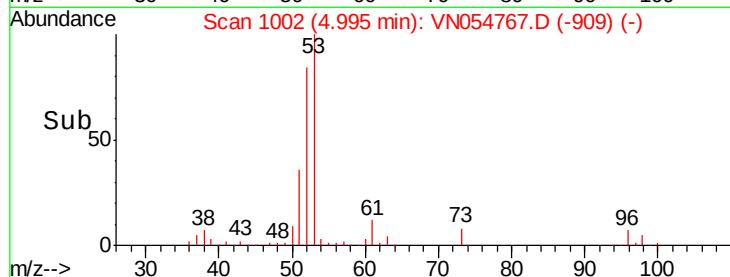
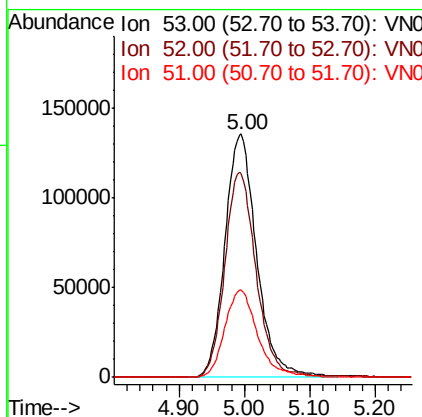
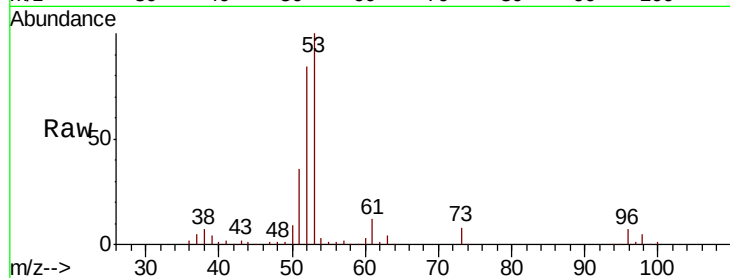
#15
 Acrylonitrile
 Concen: 251.576 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	37.3	29.6	44.4

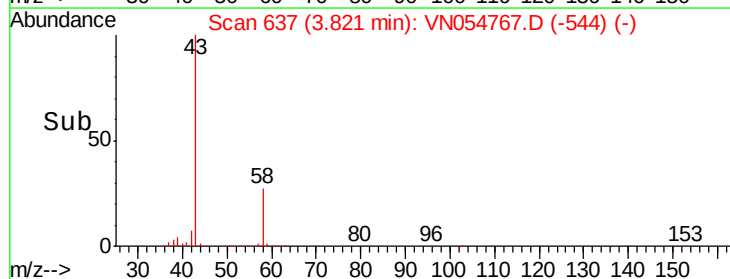
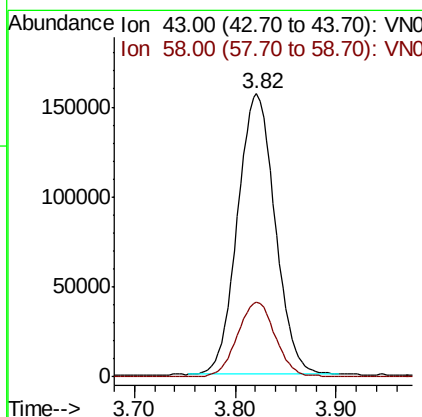
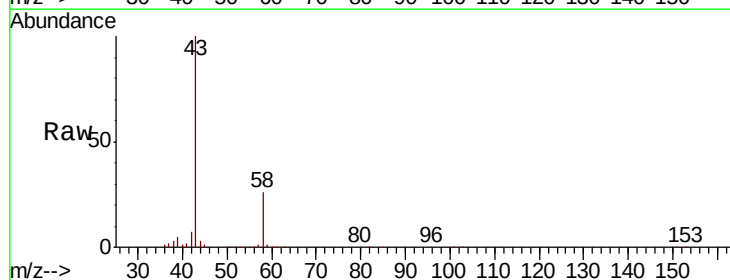
Manual Integrations
 APPROVED

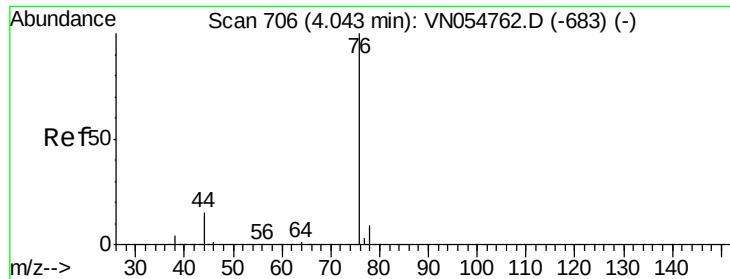
MMDadoda
 4/1/2019 4:00:28 PM



#16
 Acetone
 Concen: 268.982 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.5	29.9	44.9#





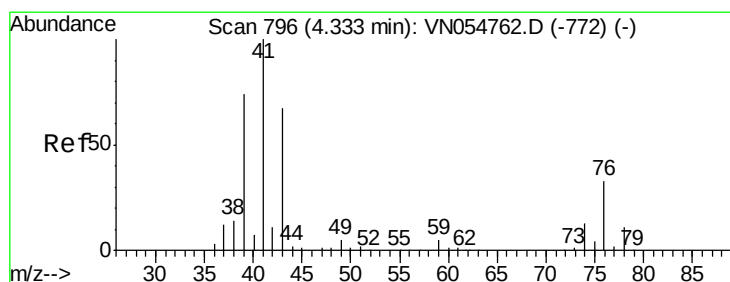
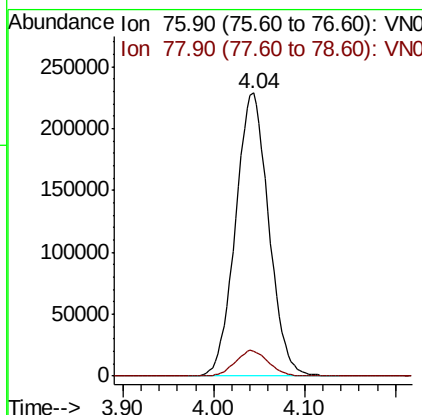
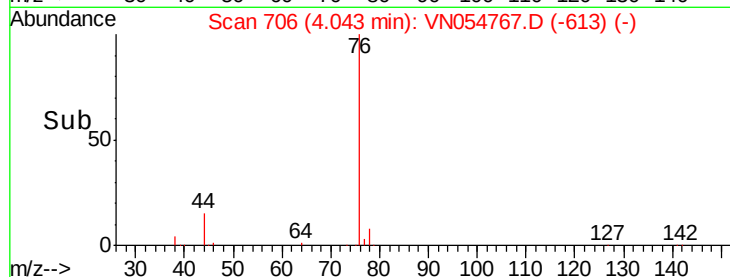
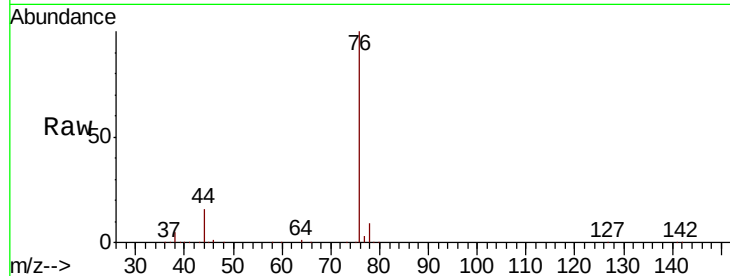
#17
Carbon Disulfide
Concen: 48.870 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3

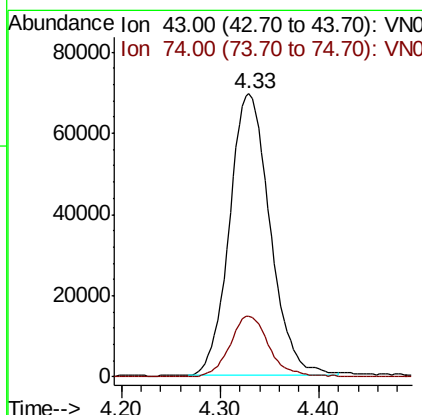
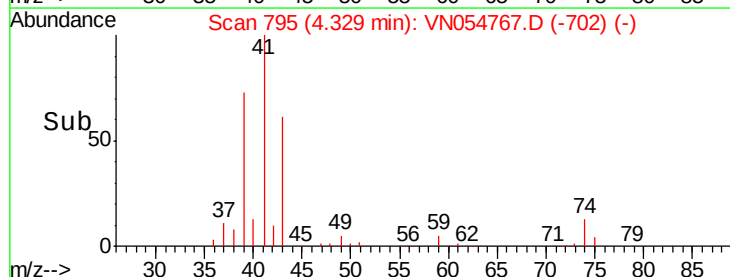
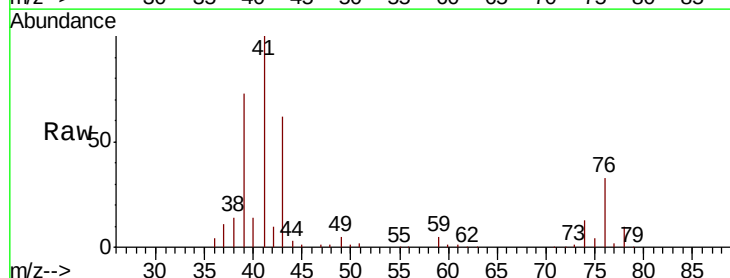
Manual Integrations
APPROVED

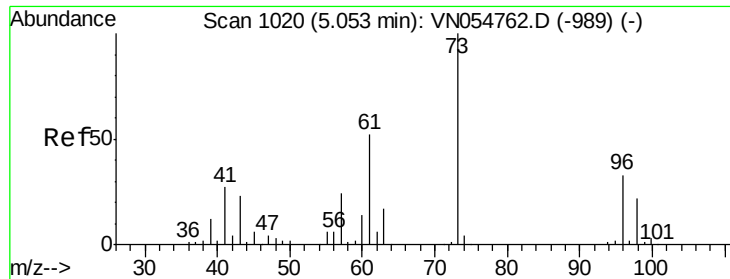
MMDadoda
4/1/2019 4:00:28 PM



#18
Methyl Acetate
Concen: 51.130 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	20.8	31.2#





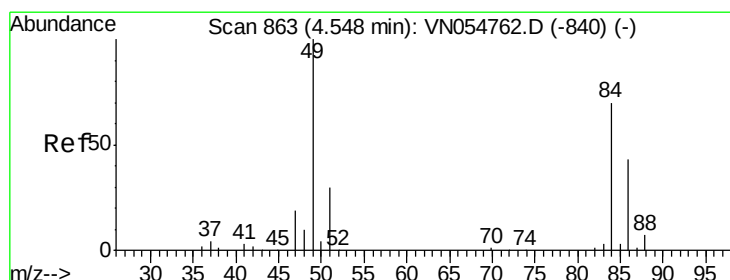
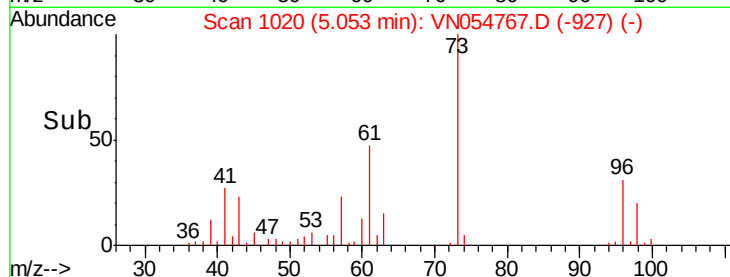
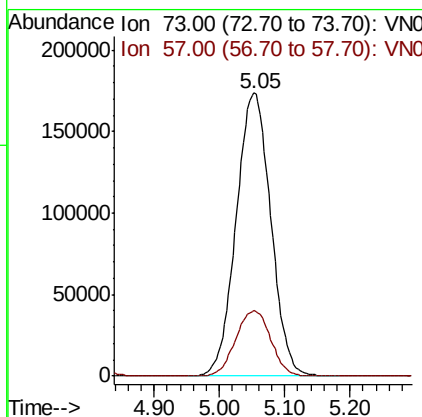
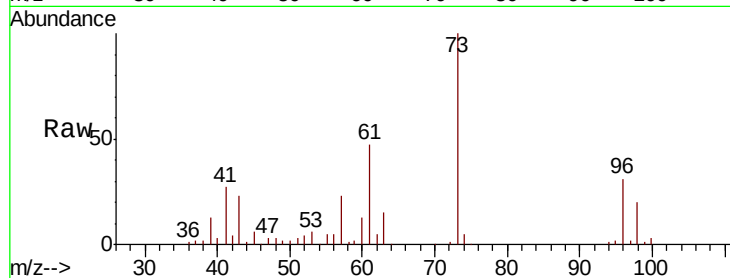
#19
Methvl tert-butvl Ether
Concen: 50.031 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	16.8	25.2

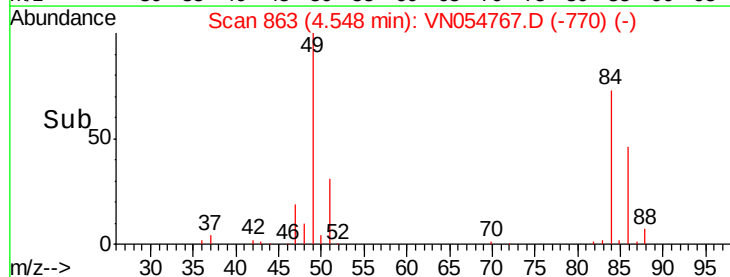
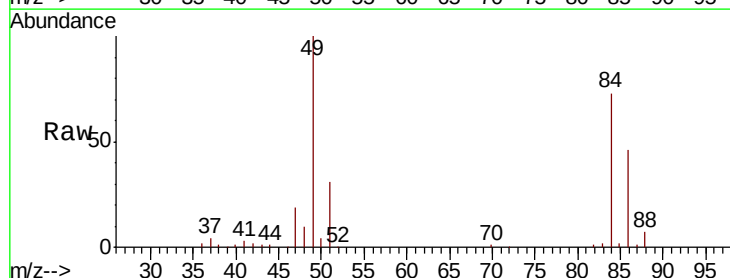
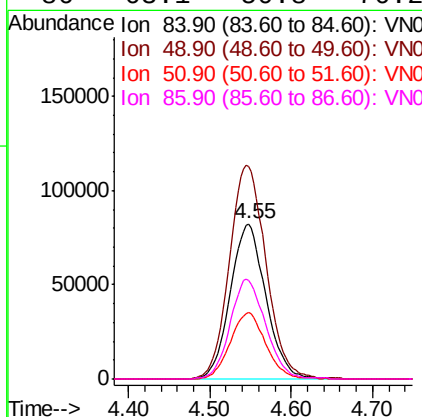
Manual Integrations
APPROVED

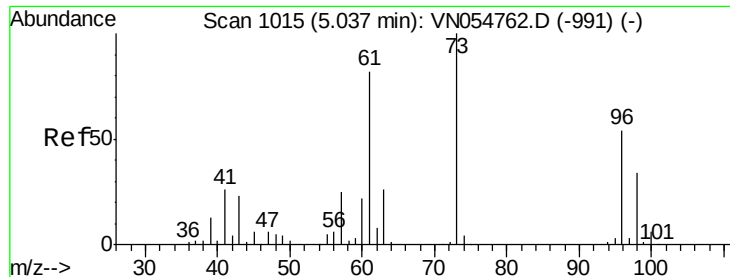
MMDadoda
4/1/2019 4:00:28 PM



#20
Methylene Chloride
Concen: 47.519 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.7	89.7	134.5#
51	42.8	28.2	42.4#
86	63.1	50.8	76.2





#21

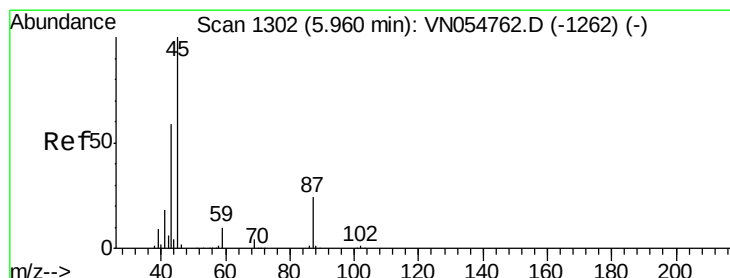
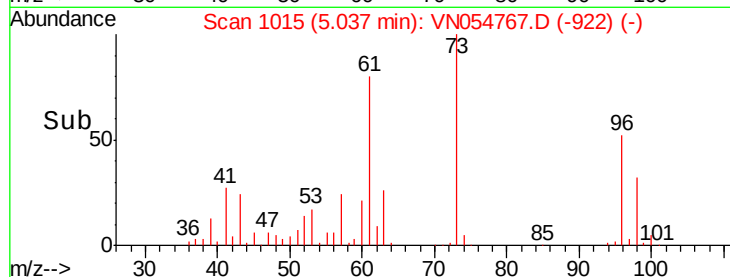
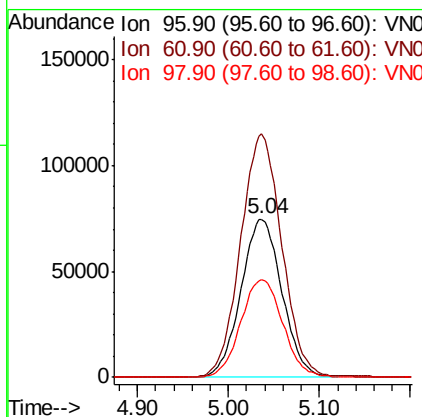
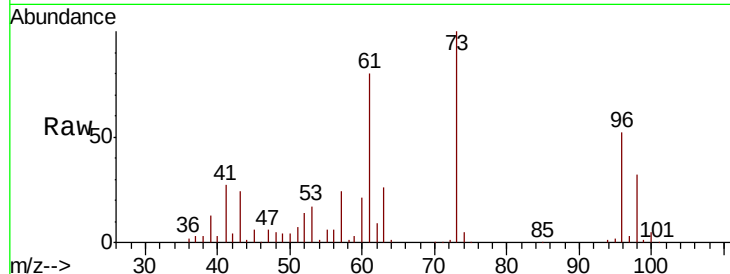
trans-1,2-Dichloroethene
Concen: 48.711 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.9	102.8	154.2
98	61.8	50.0	75.0

Manual Integrations
APPROVED

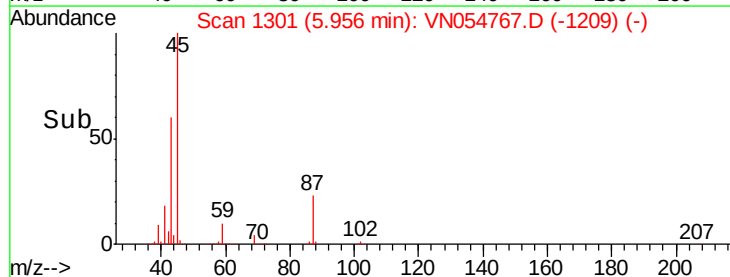
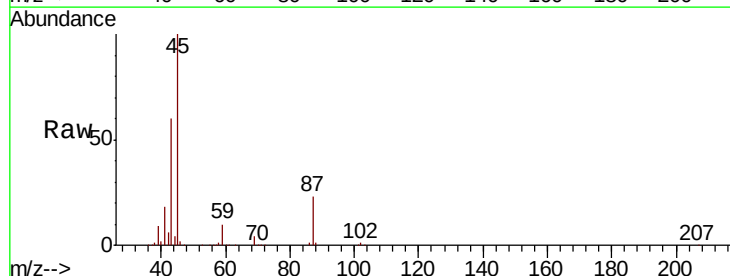
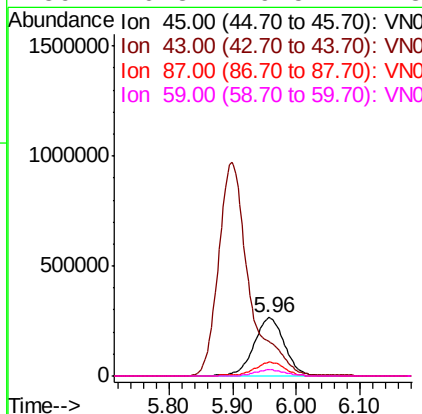
MMDadoda
4/1/2019 4:00:28 PM

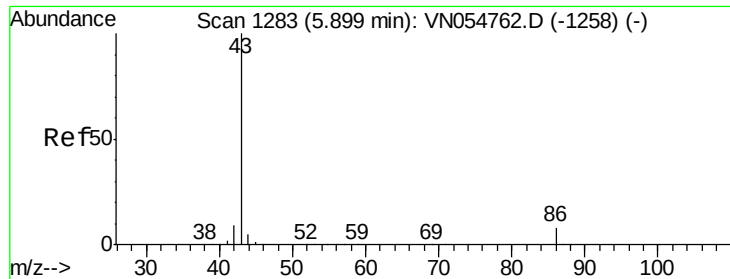


#22

Diisopropyl ether
Concen: 50.131 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.2	72.2
87	23.1	24.9	37.3
59	10.3	9.5	14.3





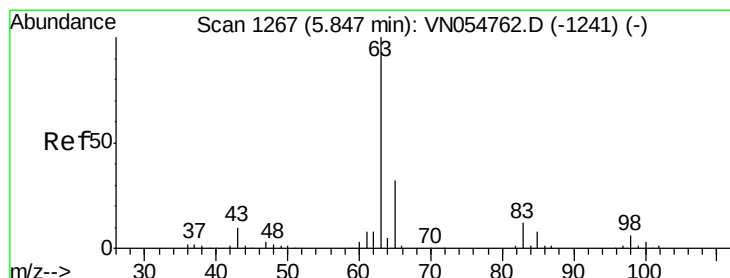
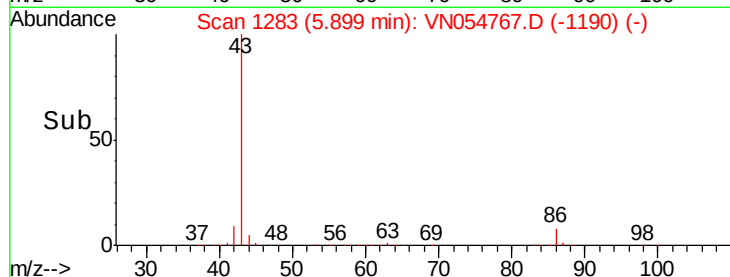
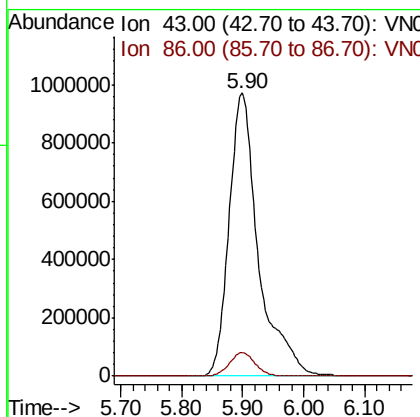
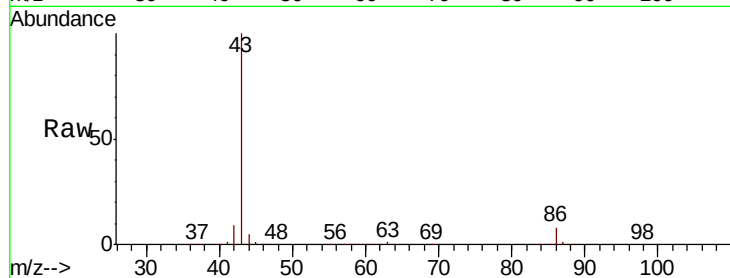
#23
 Vinyl Acetate
 Concen: 262.585 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN032919

Tot Ion: 43 Resp: 3255768
 Ion Ratio Lower Upper
 43 100
 86 8.3 9.1 13.7#

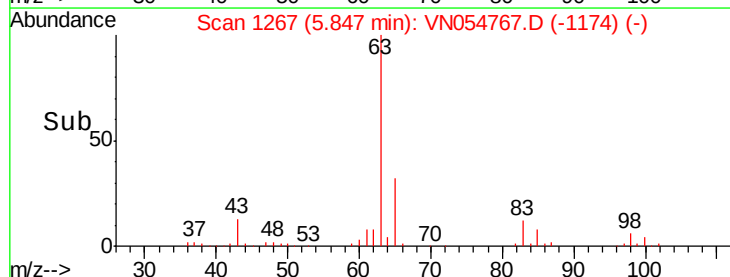
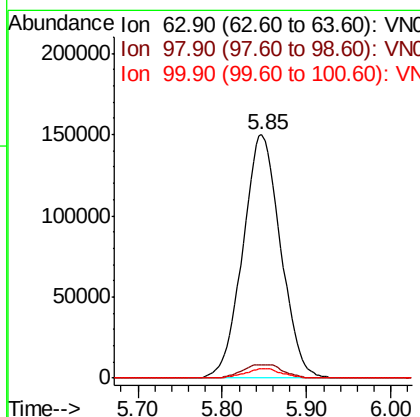
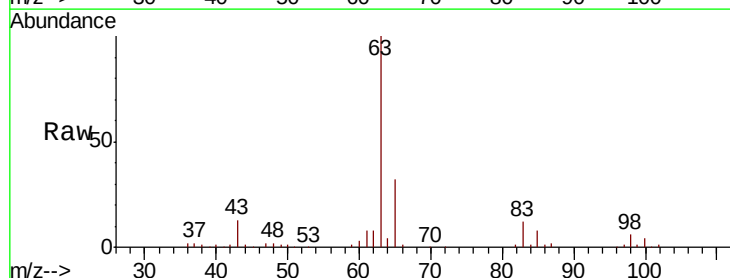
Manual Integrations
 APPROVED

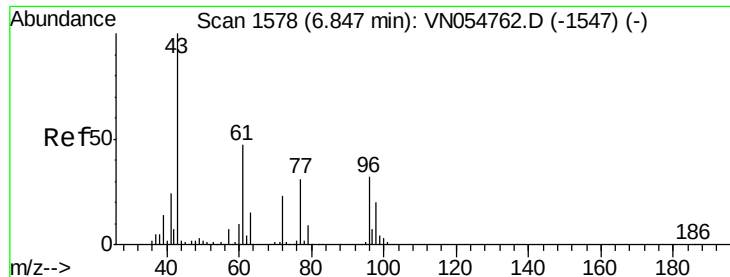
MMDadoda
 4/1/2019 4:00:28 PM



#24
 1,1-Dichloroethane
 Concen: 49.014 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion: 63 Resp: 465845
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.5 10.5
 100 3.8 2.0 6.0





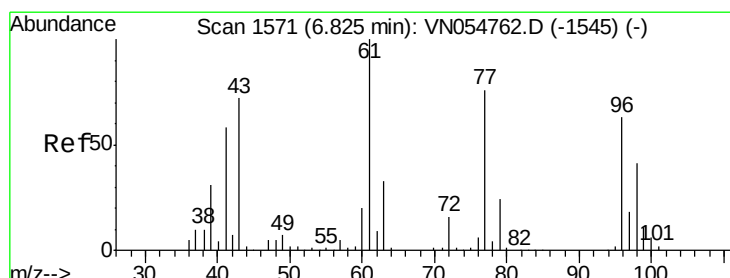
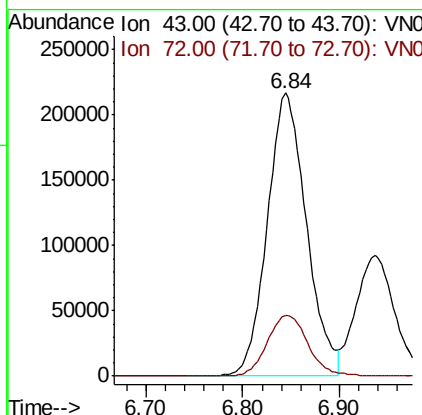
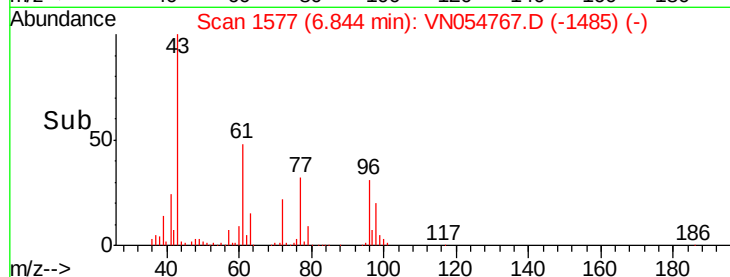
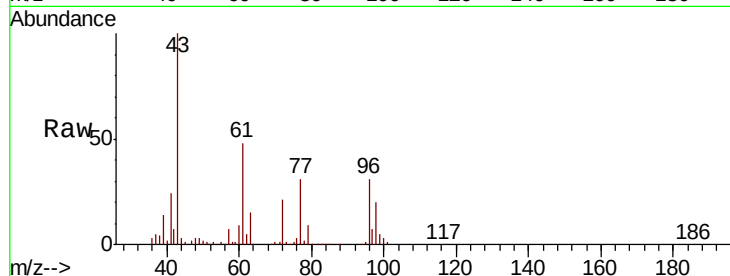
#25
2-Butanone
Concen: 274.879 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion: 43 Resp: 607711
Ion Ratio Lower Upper
43 100
72 21.5 23.0 34.6#

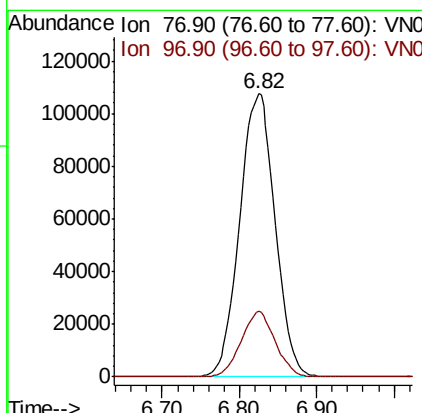
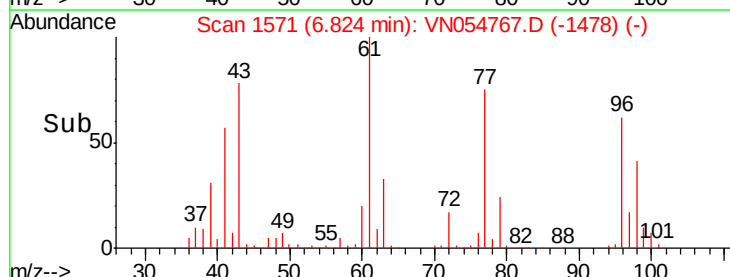
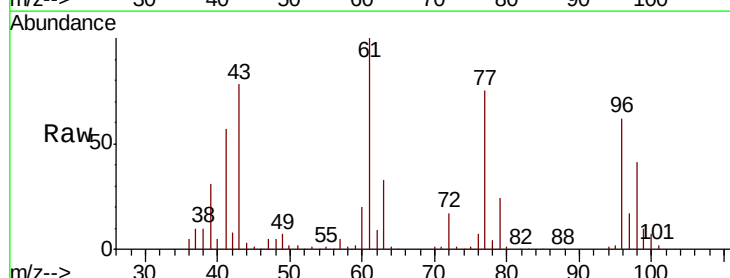
Manual Integrations
APPROVED

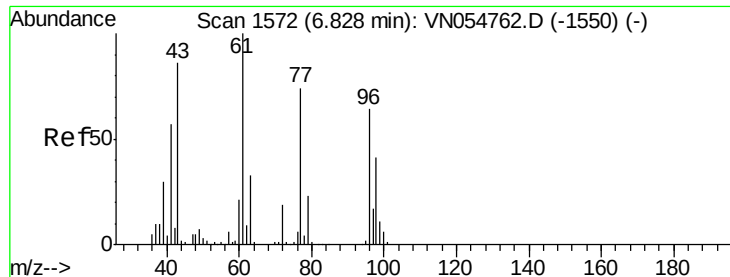
MMDadoda
4/1/2019 4:00:28 PM



#26
2,2-Dichloropropane
Concen: 51.475 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 77 Resp: 342894
Ion Ratio Lower Upper
77 100
97 22.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.552 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

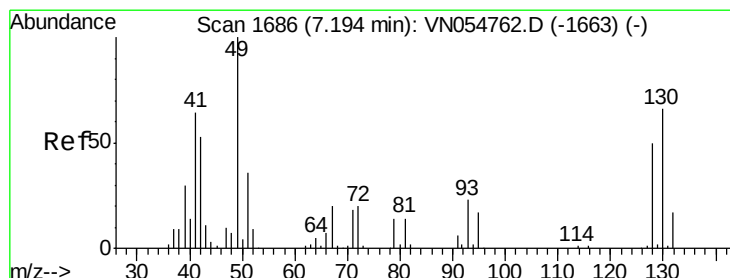
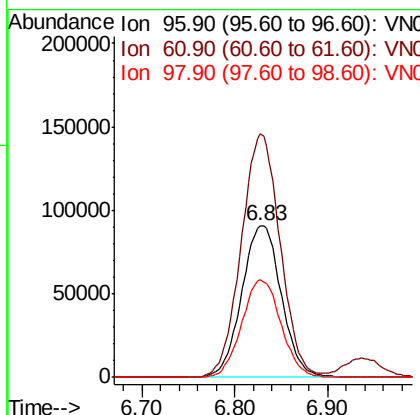
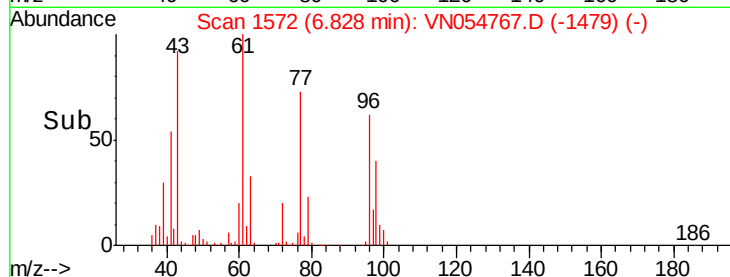
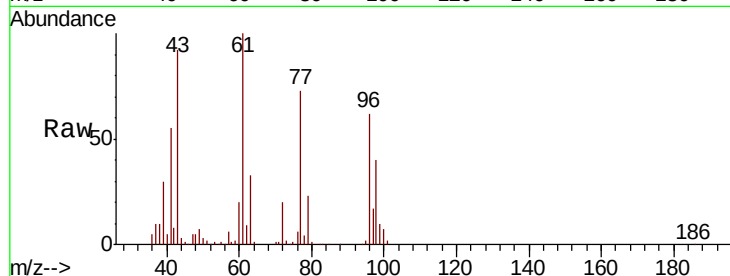
ClientSampleId :

ICVVN032919

Tot Ion:	96	Resp:	268902
Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	273.0
98	63.9	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM



#28

Bromochloromethane

Concen: 50.050 ug/l

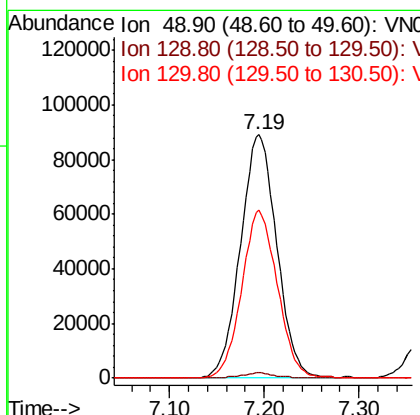
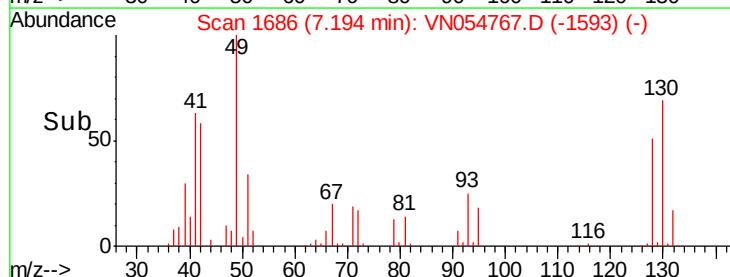
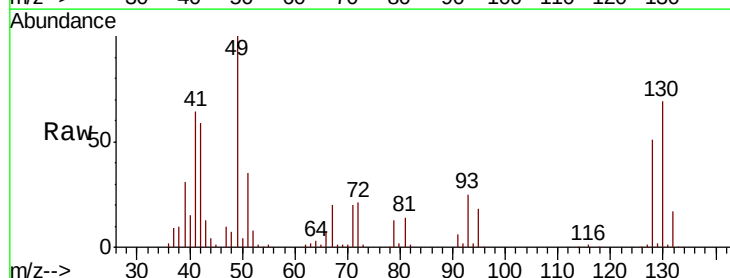
RT: 7.19 min Scan# 1686

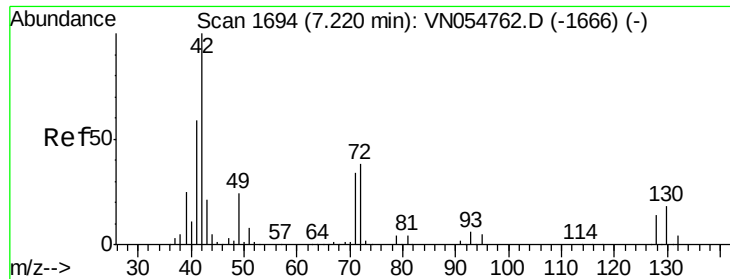
Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Tgt Ion:	49	Resp:	237860
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	67.6	76.7	115.1#





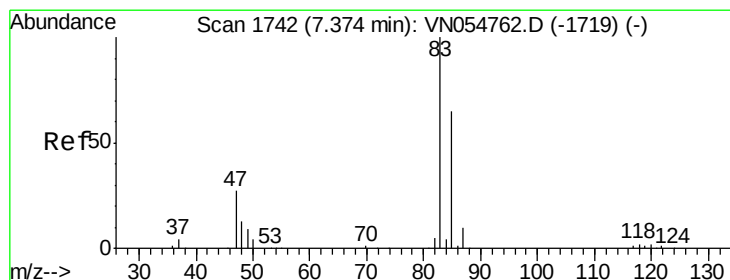
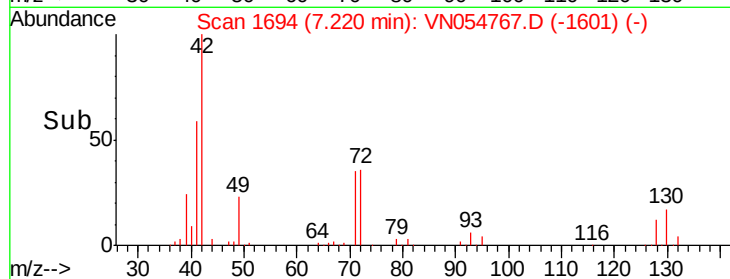
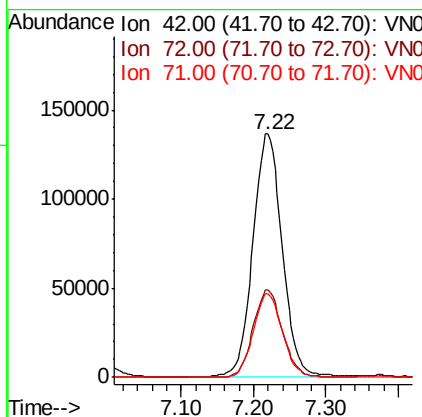
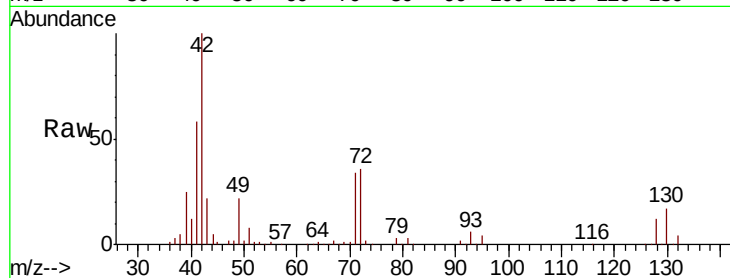
#29
Tetrahydrofuran
Concen: 249.978 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	37.8	56.6#
71	34.0	36.2	54.2#

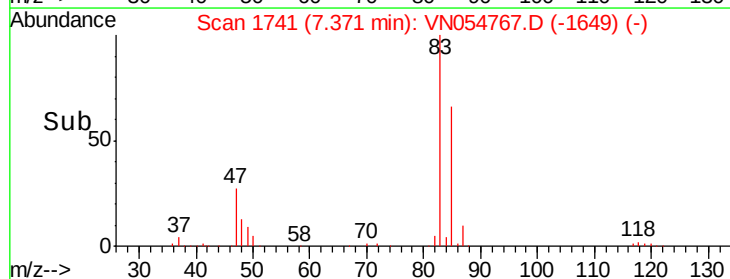
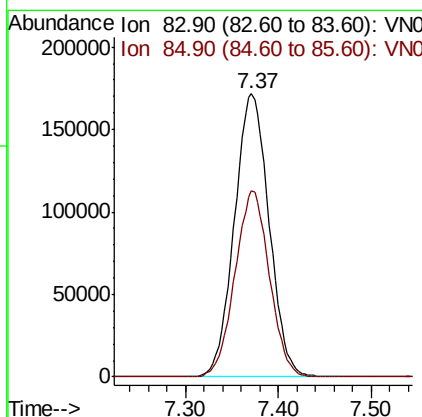
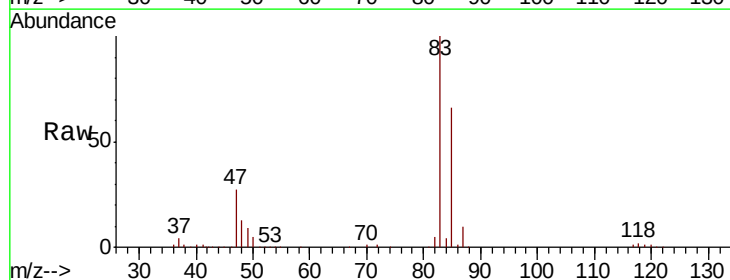
Manual Integrations
APPROVED

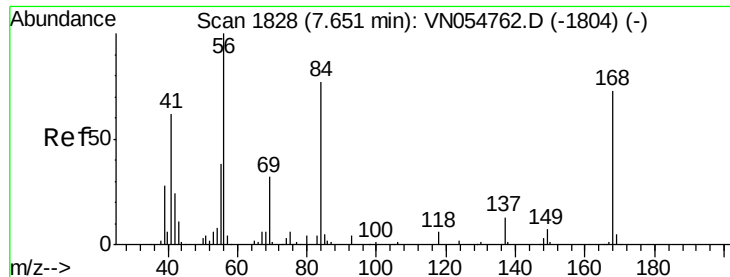
MMDadoda
4/1/2019 4:00:28 PM



#30
Chloroform
Concen: 49.022 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.4





#31

Cyclohexane

Concen: 52.550 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

Tot Ion: 56 Resp: 454180

Ion Ratio Lower Upper

56 100

69 29.7 27.8 41.6

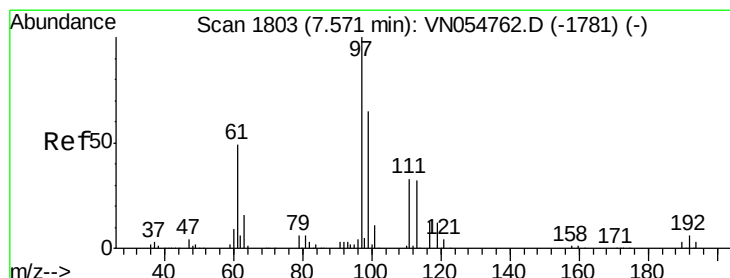
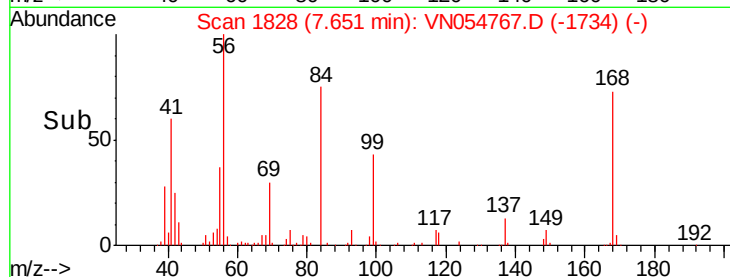
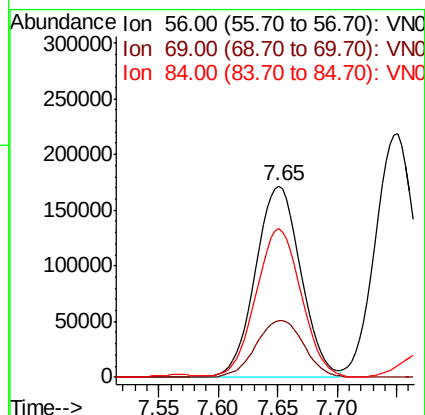
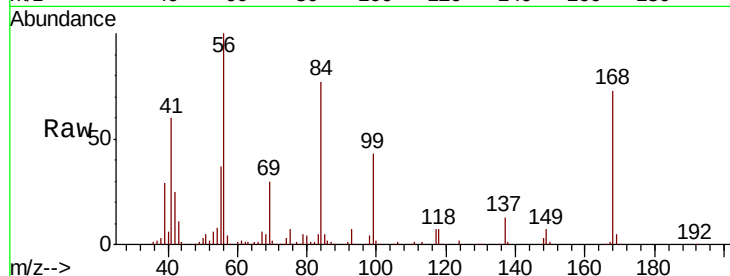
84 76.3 74.6 111.8

Manual Integrations

APPROVED

MMDadoda

4/1/2019 4:00:28 PM



#32

1,1,1-Trichloroethane

Concen: 49.982 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

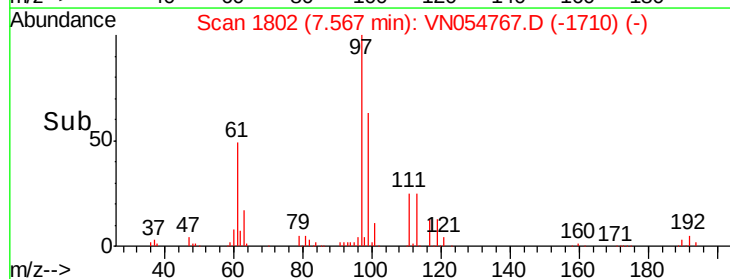
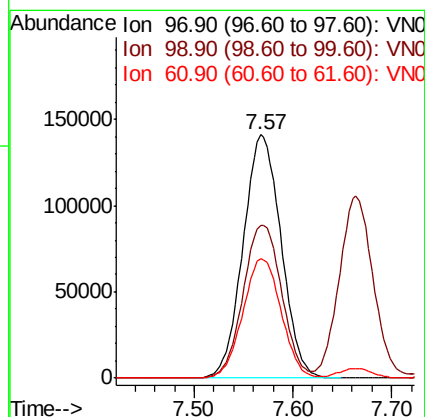
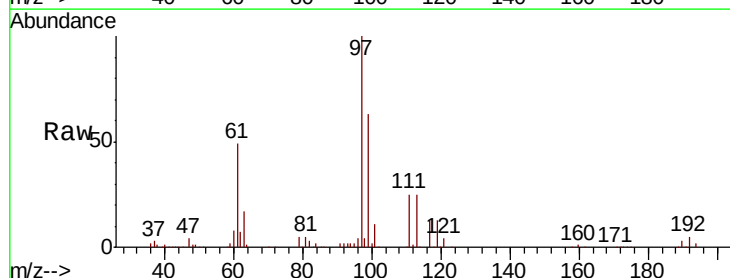
Tgt Ion: 97 Resp: 375389

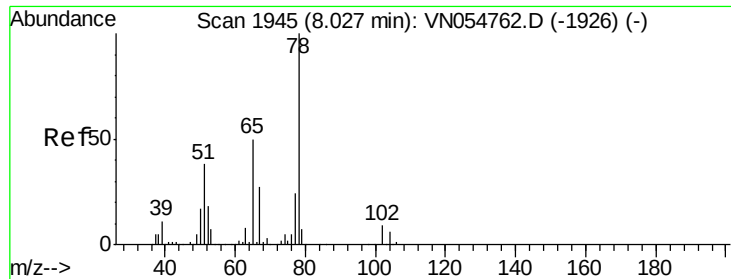
Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

61 49.7 33.6 50.4





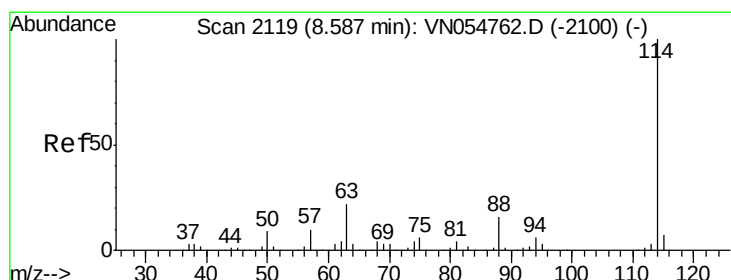
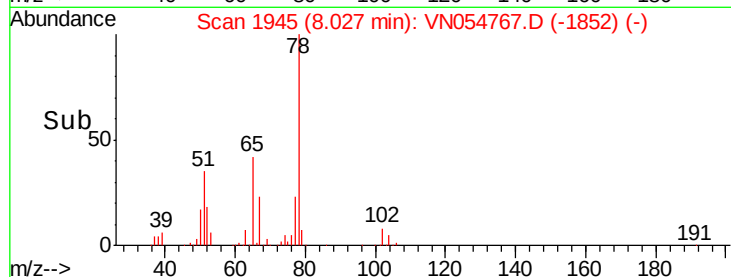
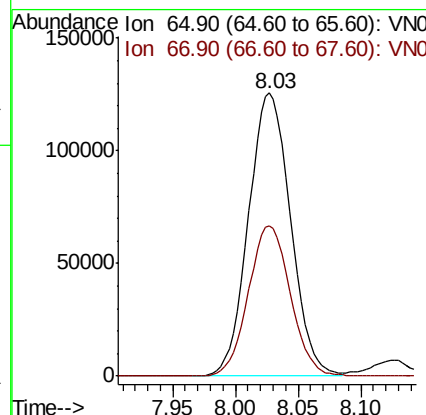
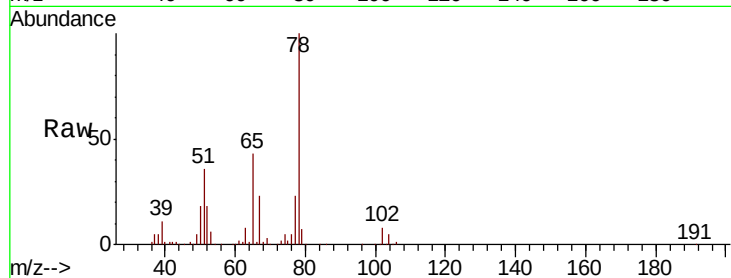
#33
 1,2-Dichloroethane-d4
 Concen: 46.762 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN032919

Tot Ion	Ratio	Resp	Lower	Upper
65	100	293286		
67	53.2	0.0	104.6	

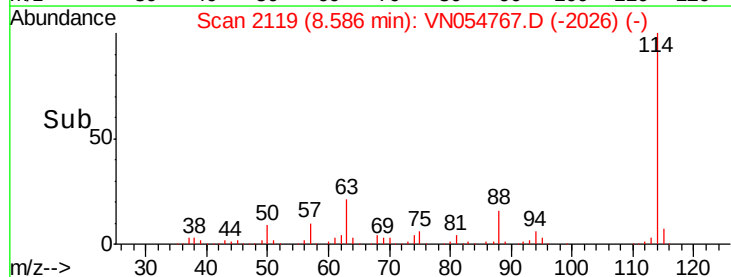
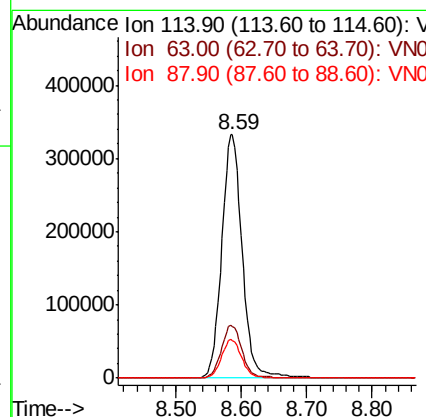
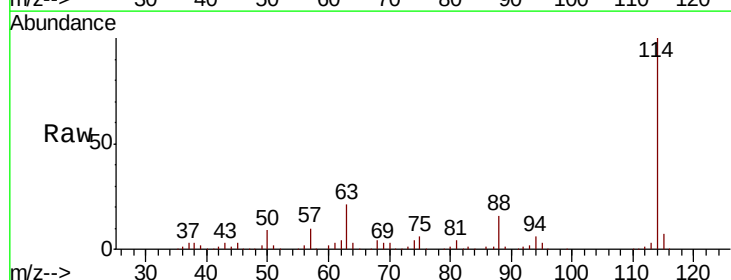
Manual Integrations
 APPROVED

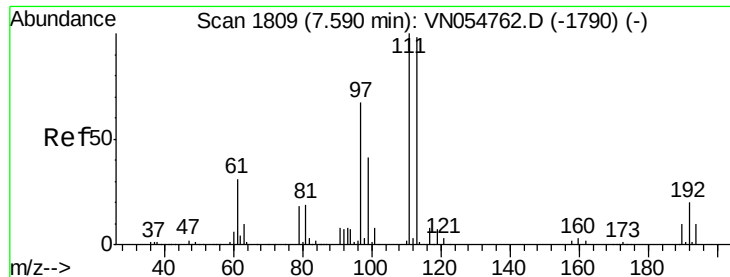
MMDadoda
 4/1/2019 4:00:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	725981		
63	21.5	0.0	35.2	
88	15.7	0.0	30.2	





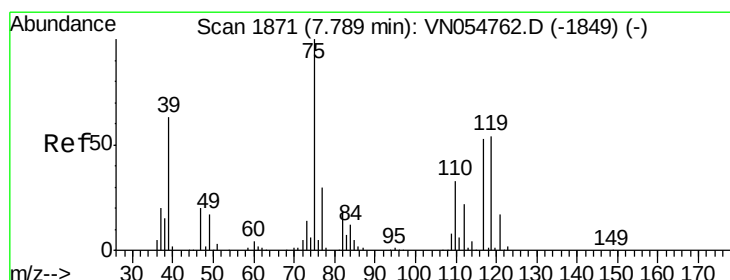
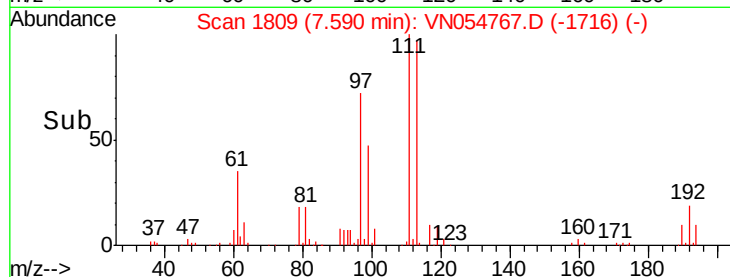
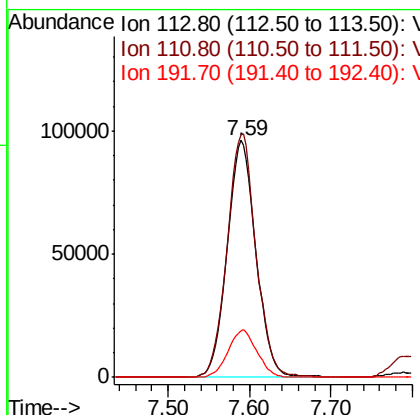
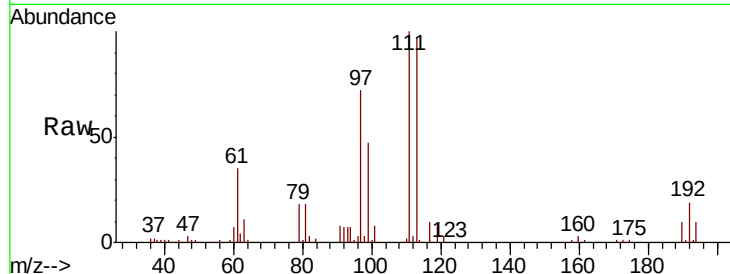
#35
 Dibromofluoromethane
 Concen: 49.096 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN032919

Tot Ion	Ratio	Resp	Lower	Upper
113	100	237627		
111	103.3	82.2	123.4	
192	20.2	19.2	28.8	

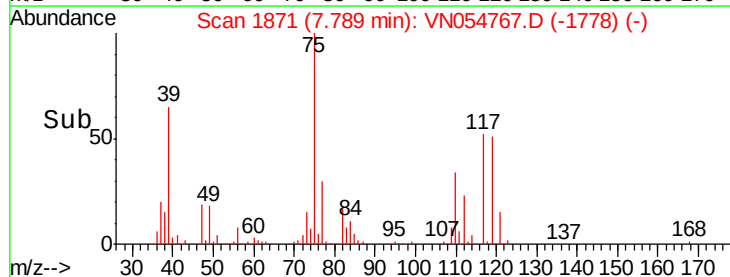
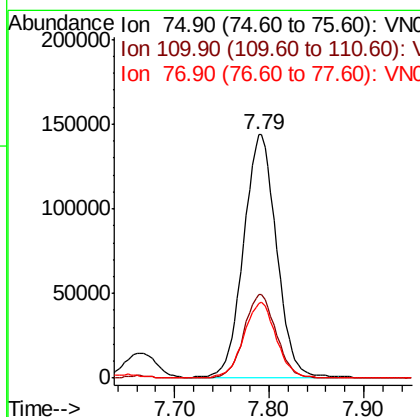
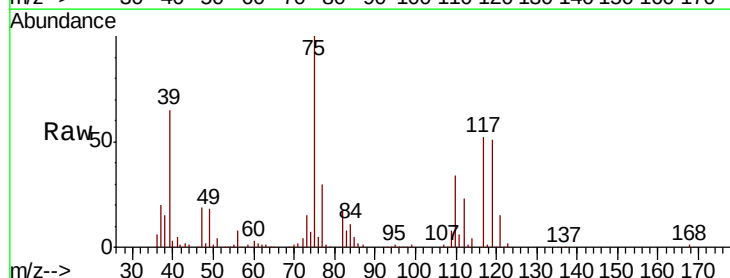
Manual Integrations
 APPROVED

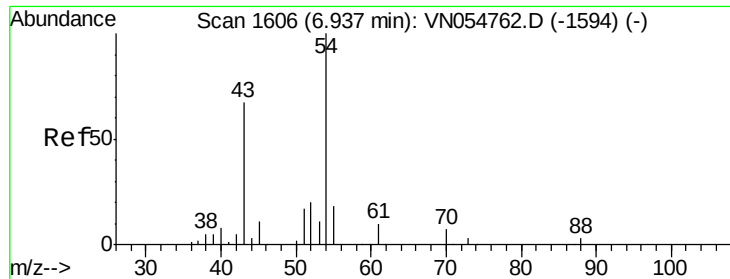
MMDadoda
 4/1/2019 4:00:28 PM



#36
 1,1-Dichloropropene
 Concen: 51.142 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	345963		
110	33.8	19.1	57.5	
77	31.3	25.0	37.4	





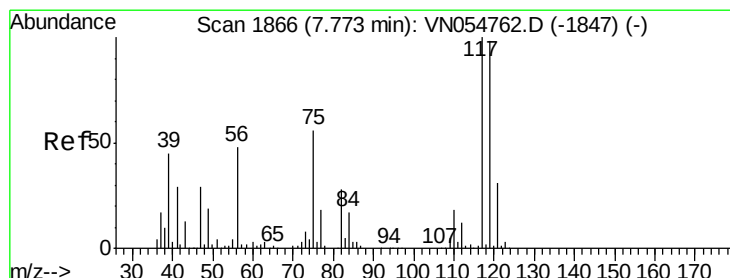
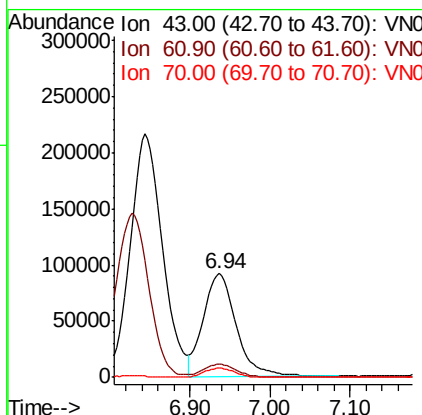
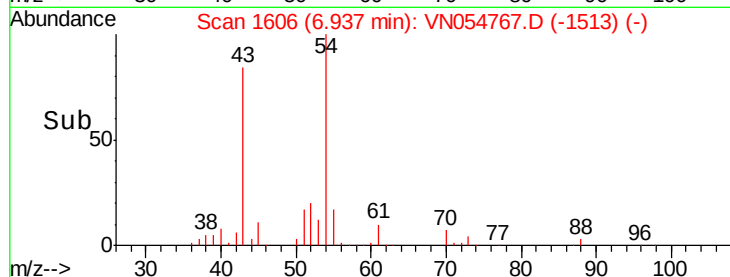
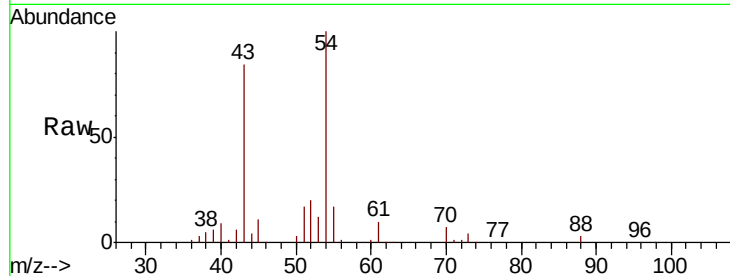
#37
Ethyl Acetate
Concen: 53.354 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.8	17.6
70	8.5	8.4	12.6

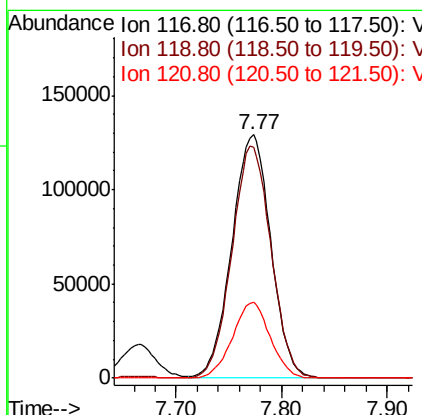
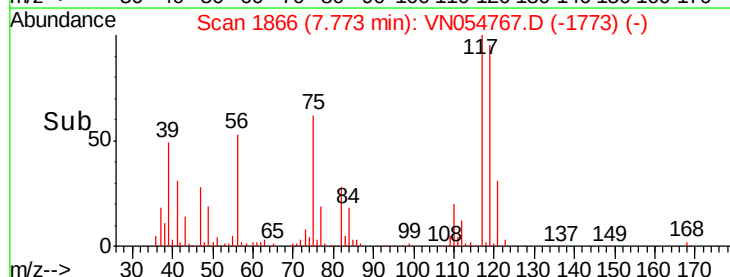
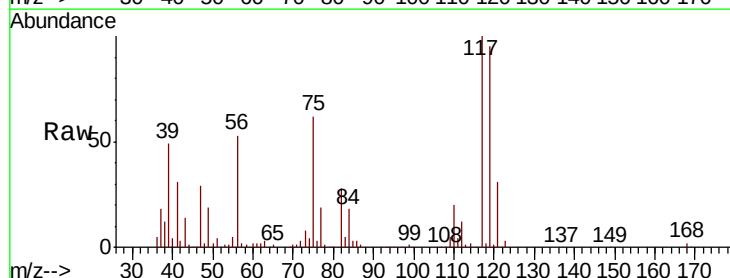
Manual Integrations
APPROVED

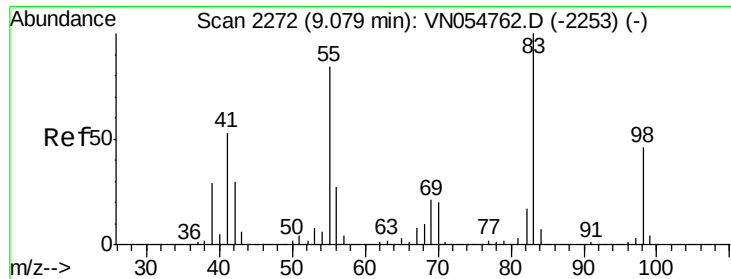
MMDadoda
4/1/2019 4:00:28 PM



#38
Carbon Tetrachloride
Concen: 50.488 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.3	114.5
121	31.0	24.6	36.8





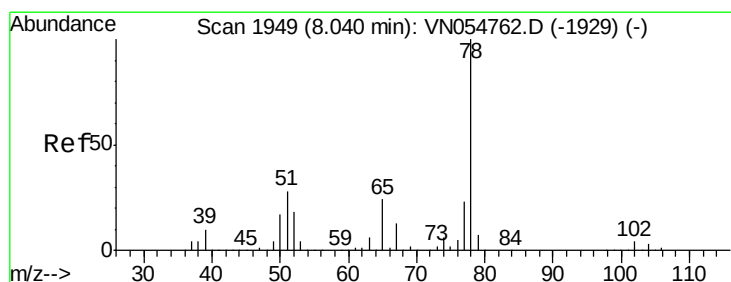
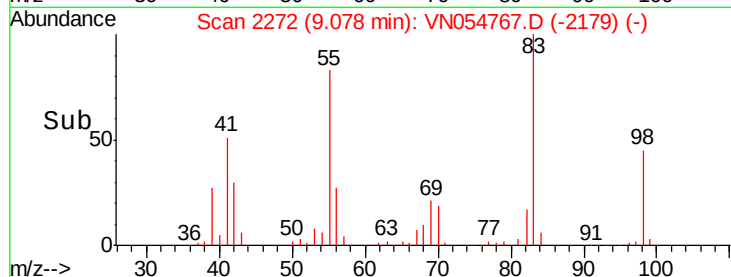
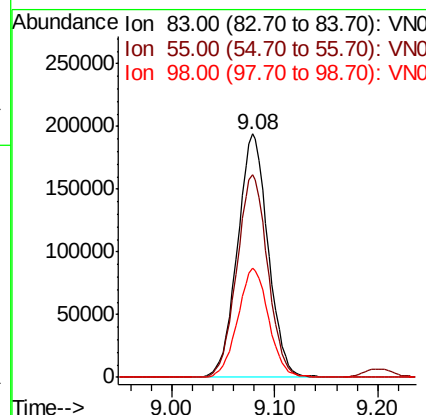
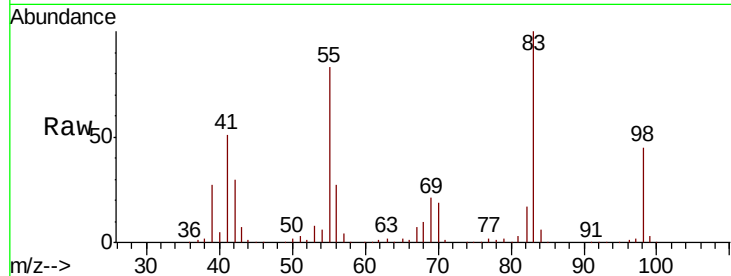
#39
Methylvlcyclohexane
Concen: 53.856 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
ICVFN032919

Tot Ion	83	Resp	400529
Ion Ratio	100	Lower	Upper
83	100		
55	83.5	56.6	84.8
98	44.8	38.4	57.6

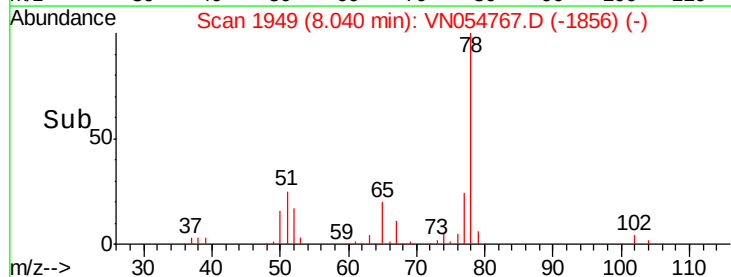
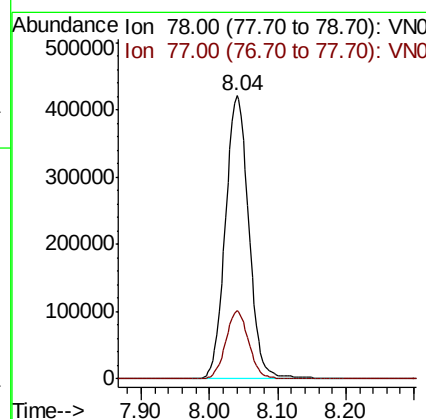
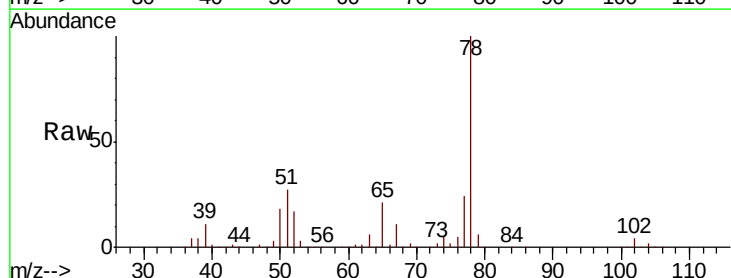
Manual Integrations
APPROVED

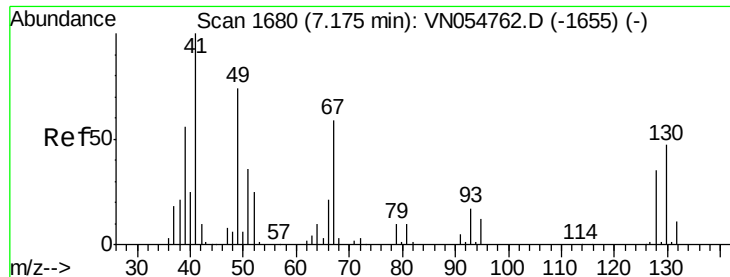
MMDadoda
4/1/2019 4:00:28 PM



#40
Benzene
Concen: 52.081 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	78	Resp	1008106
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.1	28.7





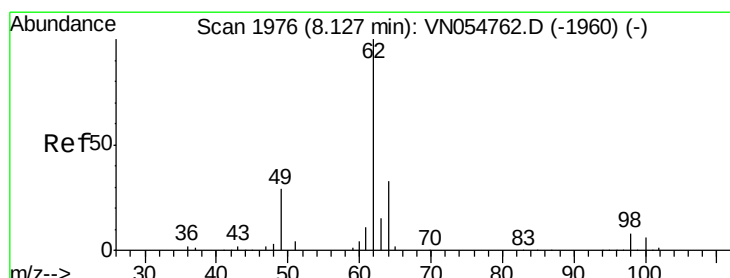
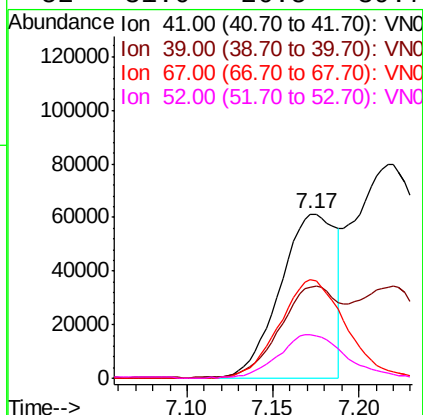
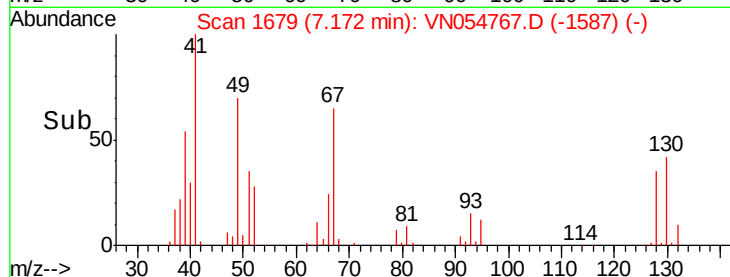
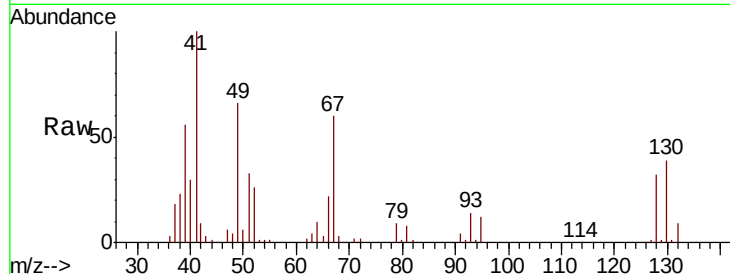
#41
Methacrylonitrile
Concen: 49.584 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.6	46.8	70.2	
67	71.7	67.0	100.4	
52	31.0	26.5	39.7	

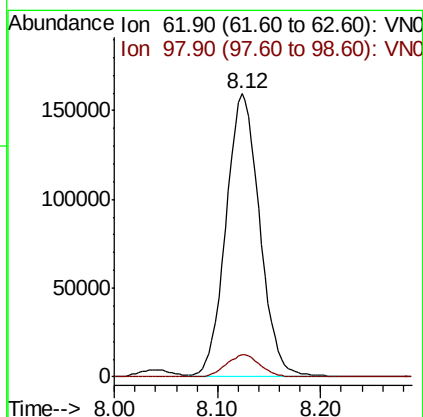
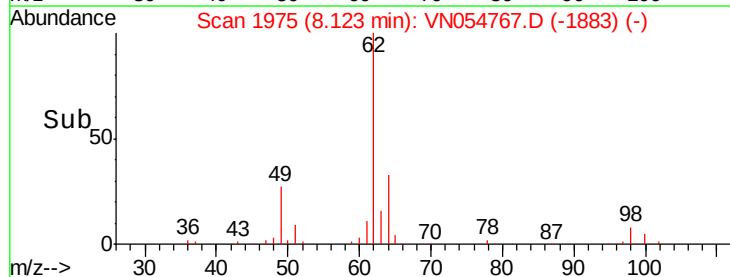
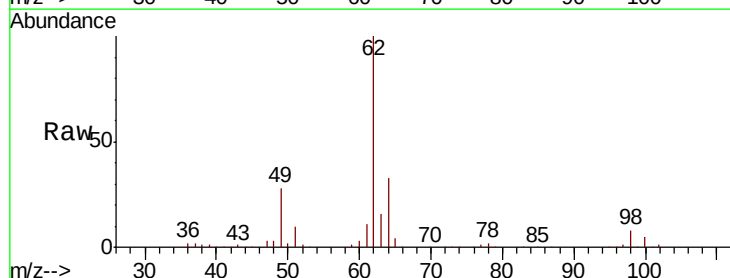
Manual Integrations
APPROVED

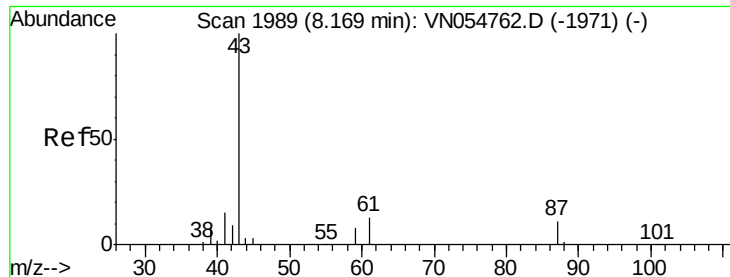
MMDadoda
4/1/2019 4:00:28 PM



#42
1,2-Dichloroethane
Concen: 52.266 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	18.4	





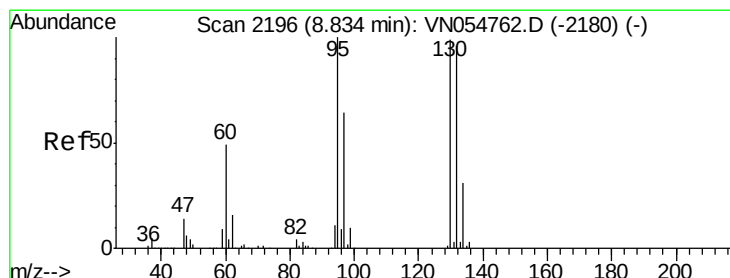
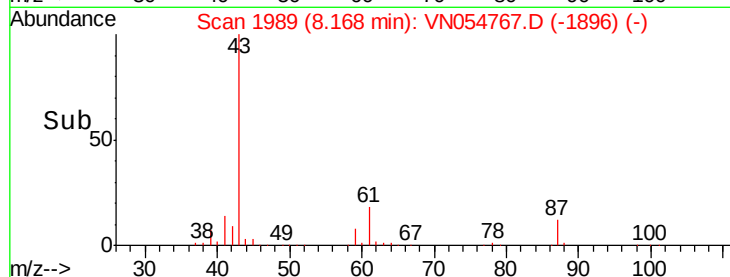
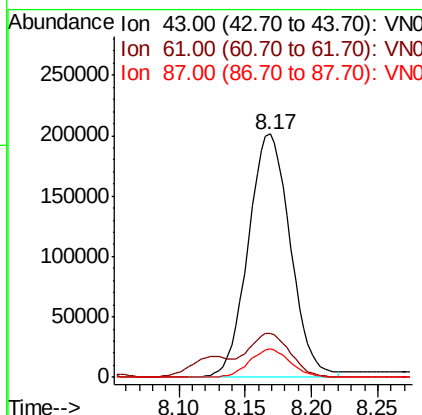
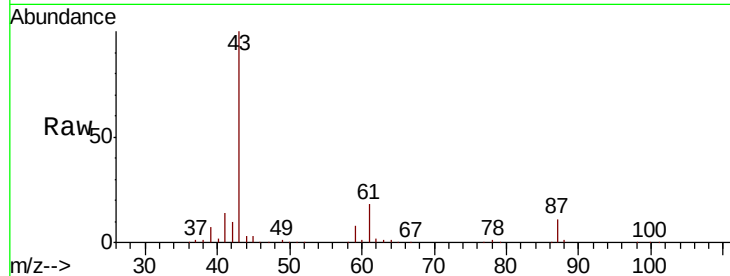
#43
Isopropyl Acetate
Concen: 54.975 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	15.8	23.8
87	11.4	12.0	18.0

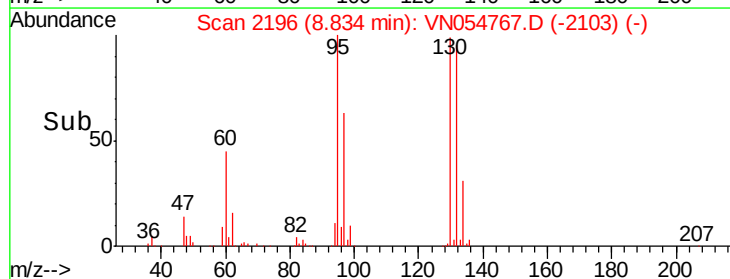
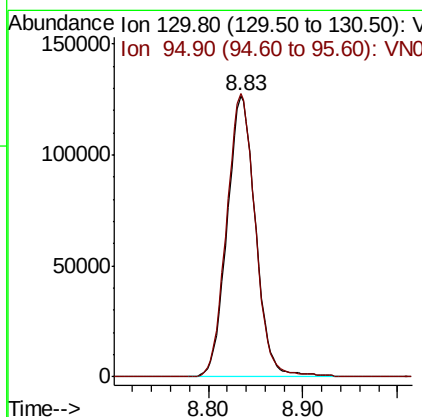
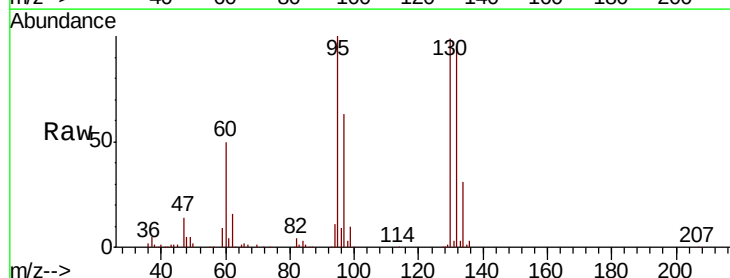
Manual Integrations
APPROVED

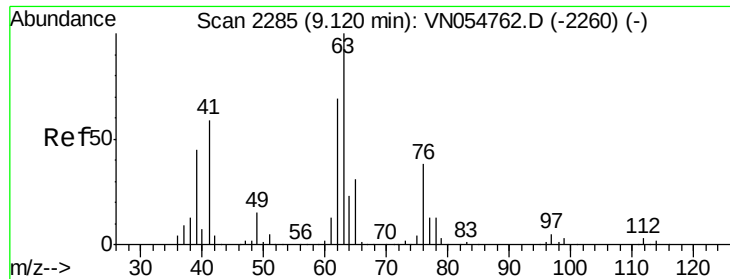
MMDadoda
4/1/2019 4:00:28 PM



#44
Trichloroethene
Concen: 52.592 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	185.2





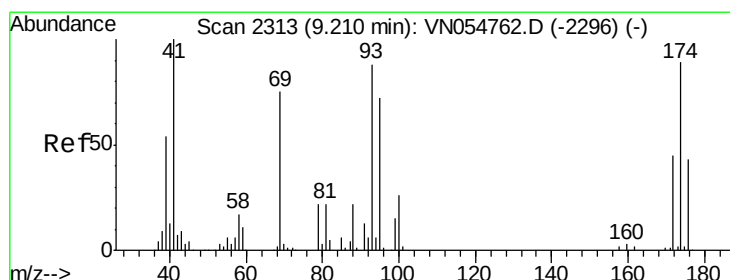
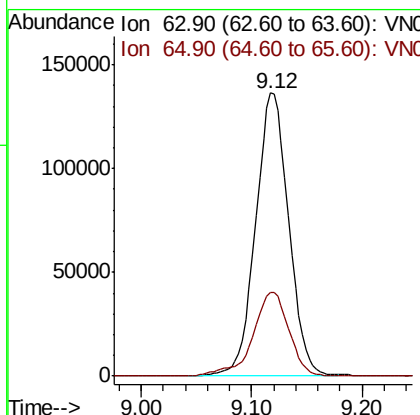
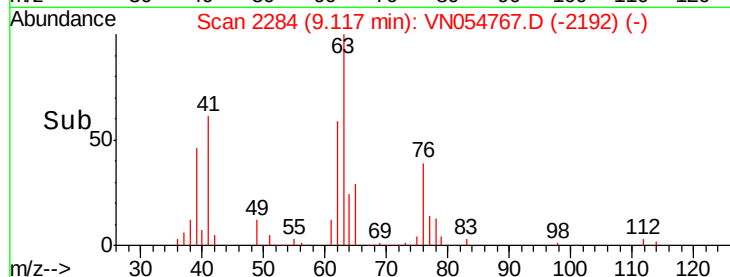
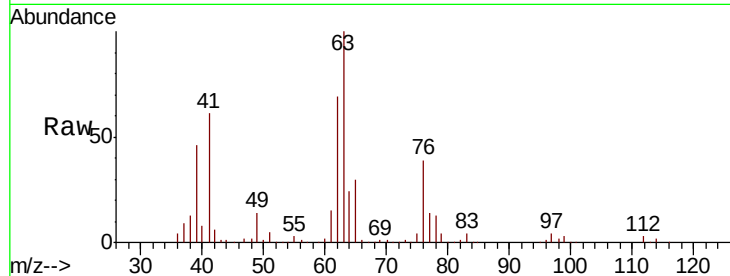
#45
 1,2-Dichloropropane
 Concen: 51.348 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

Tot Ion: 63 Resp: 283405
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.0 37.6

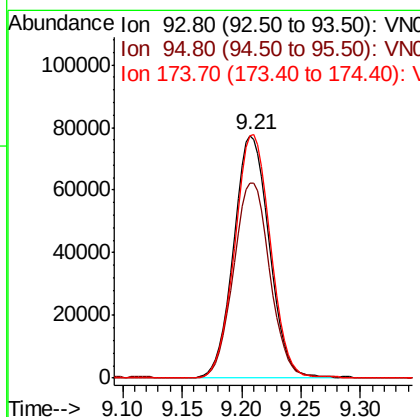
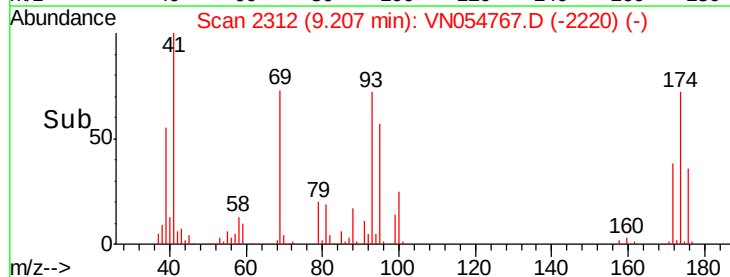
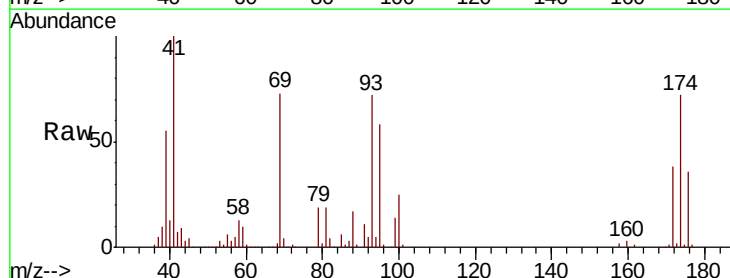
Manual Integrations
 APPROVED

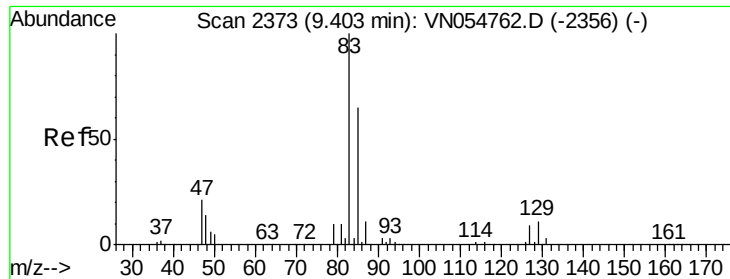
MMDadoda
 4/1/2019 4:00:28 PM



#46
 Dibromomethane
 Concen: 51.789 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion: 93 Resp: 160796
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.7 100.1
 174 101.0 98.5 147.7





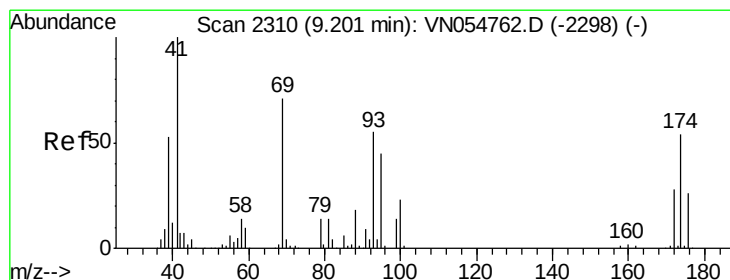
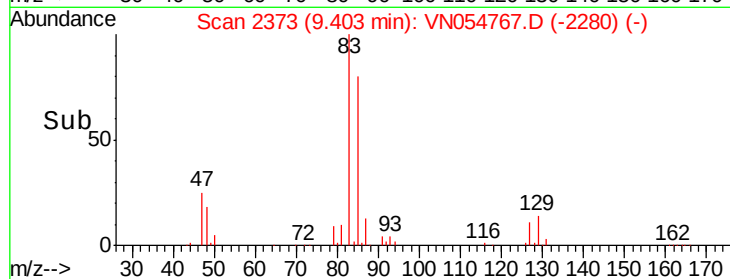
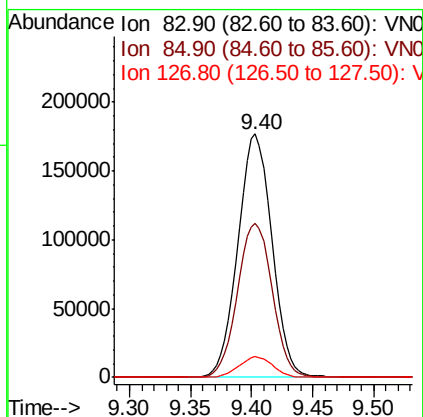
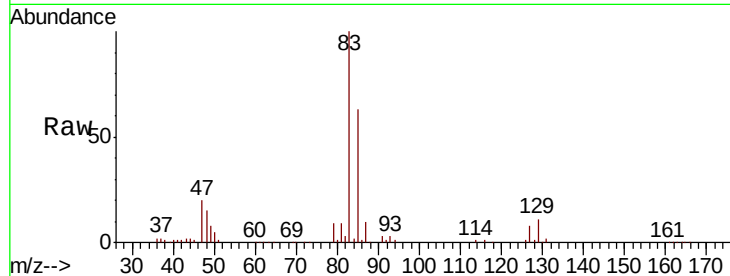
#47
Bromodichloromethane
Concen: 52.976 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	83	Resp	341844
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	52.8	79.2
127	8.4	7.4	11.2

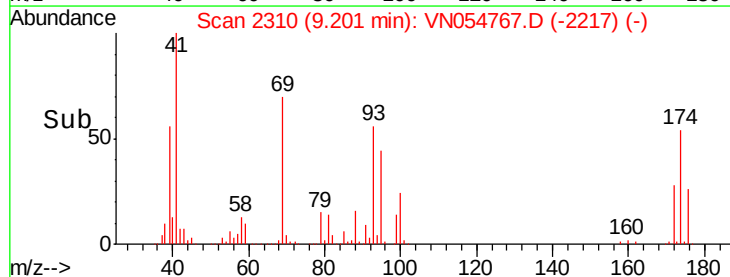
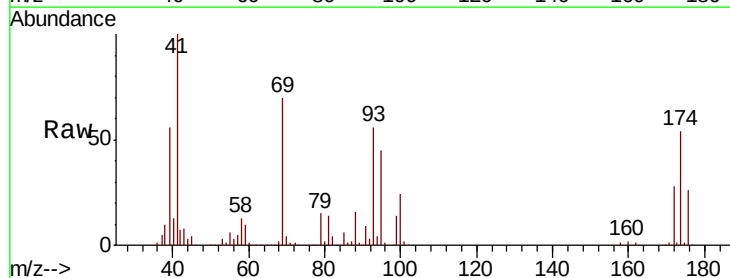
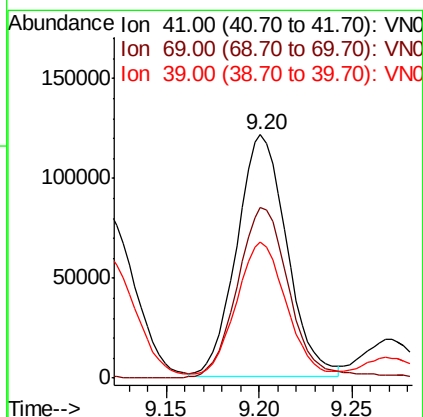
Manual Integrations
APPROVED

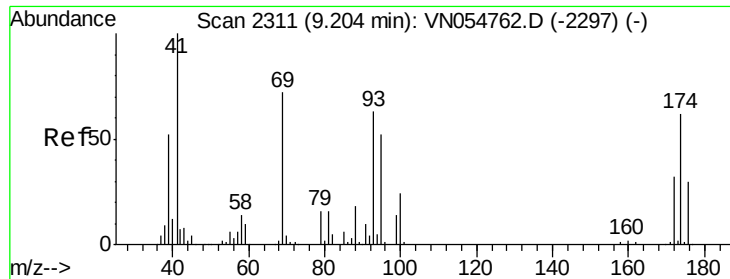
MMDadoda
4/1/2019 4:00:28 PM



#48
Methyl methacrylate
Concen: 52.256 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	41	Resp	228330
Ion Ratio	100	Lower	Upper
41	100		
69	73.5	72.6	108.8
39	56.4	47.5	71.3





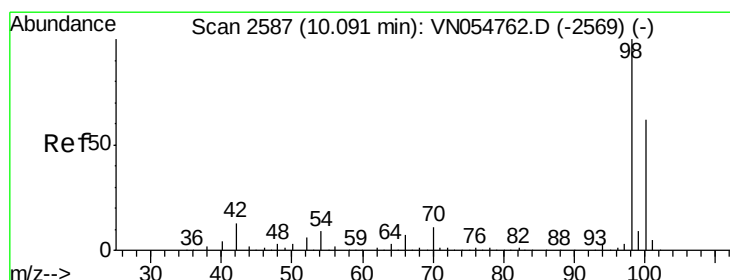
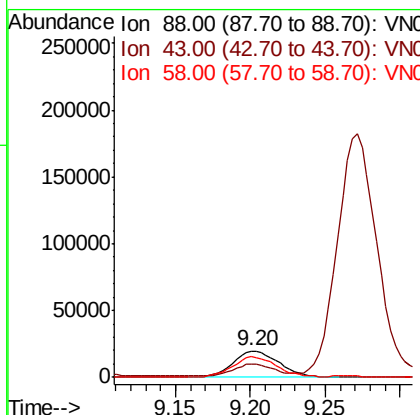
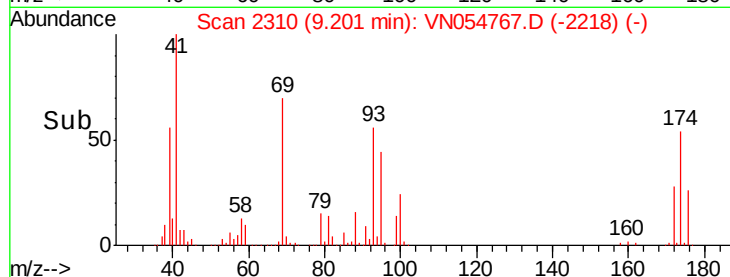
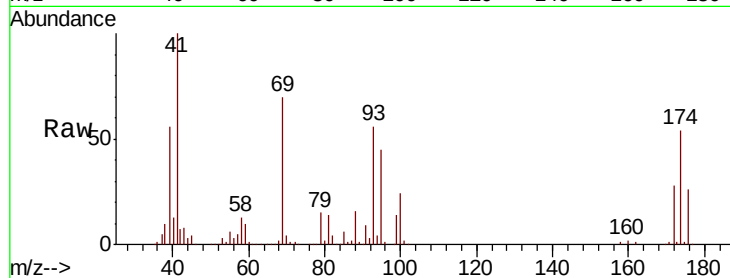
#49
1,4-Dioxane
Concen: 974.090 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	24.1	36.1#
58	76.5	50.8	76.2#

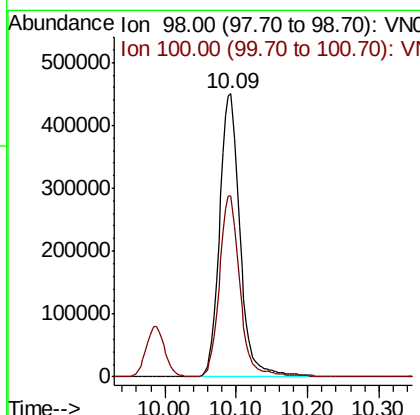
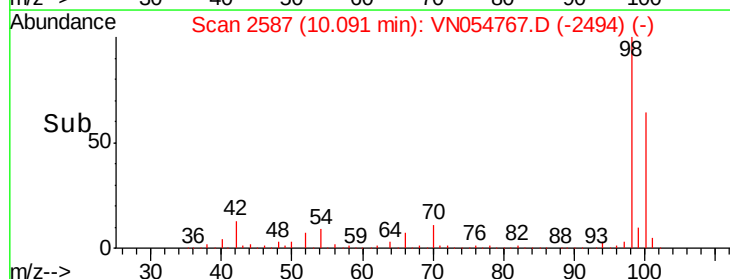
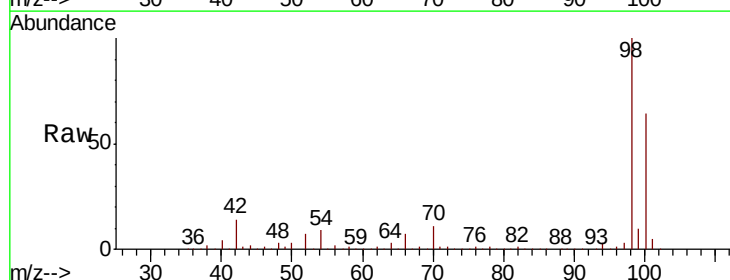
Manual Integrations
APPROVED

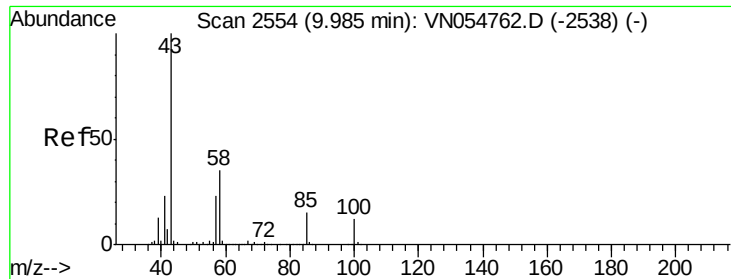
MMDadoda
4/1/2019 4:00:28 PM



#50
Toluene-d8
Concen: 49.775 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





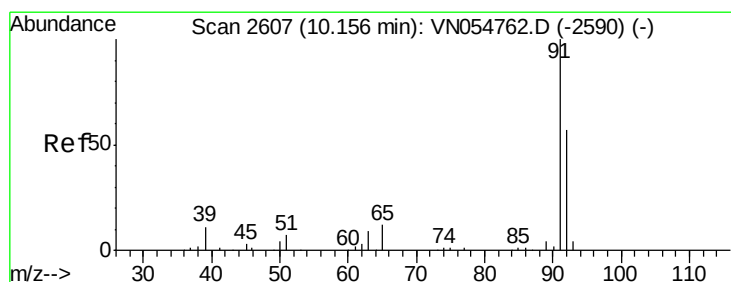
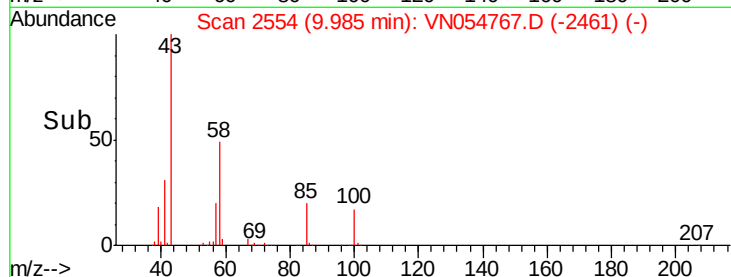
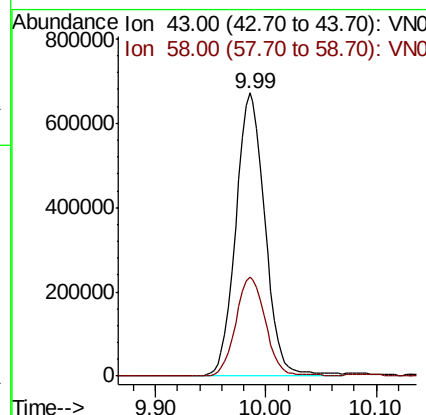
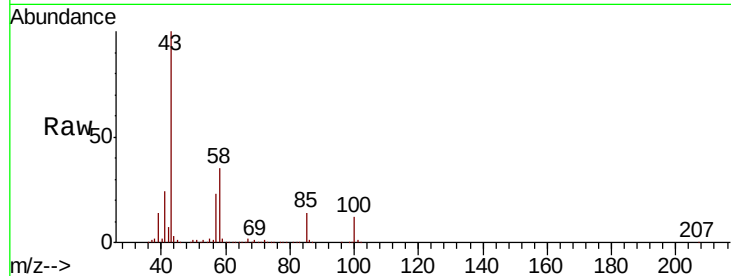
#51
4-Methyl-2-Pentanone
Concen: 271.355 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion: 43 Resp: 1229736
Ion Ratio Lower Upper
43 100
58 35.7 31.8 47.6

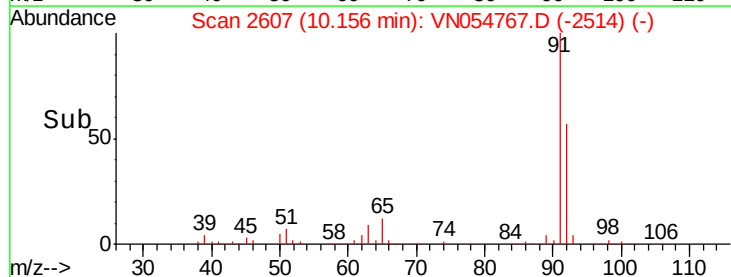
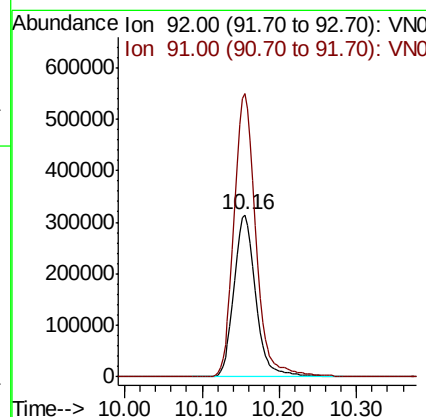
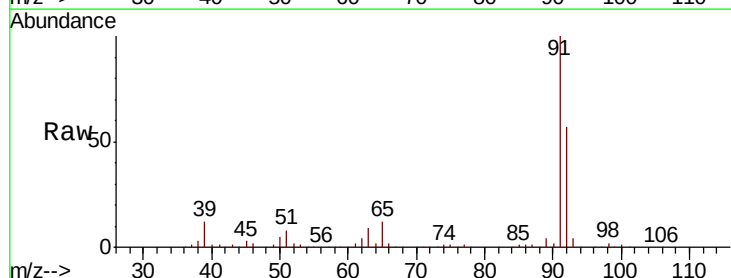
Manual Integrations
APPROVED

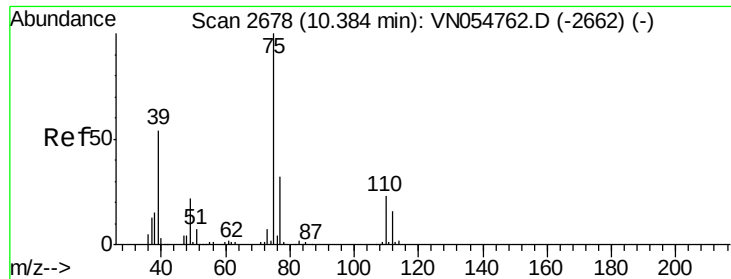
MMDadoda
4/1/2019 4:00:28 PM



#52
Toluene
Concen: 52.799 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 92 Resp: 608132
Ion Ratio Lower Upper
92 100
91 176.0 140.7 211.1





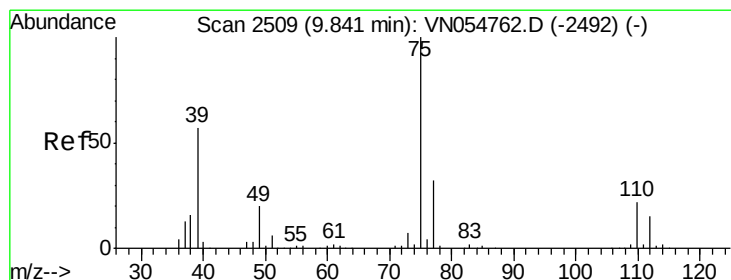
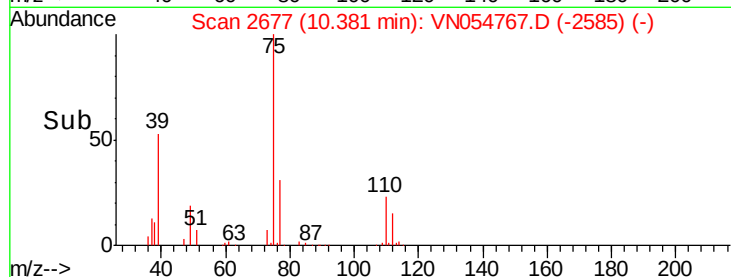
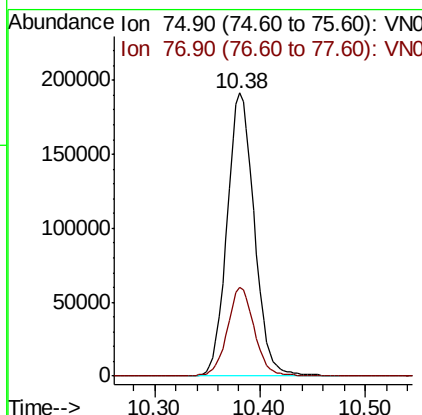
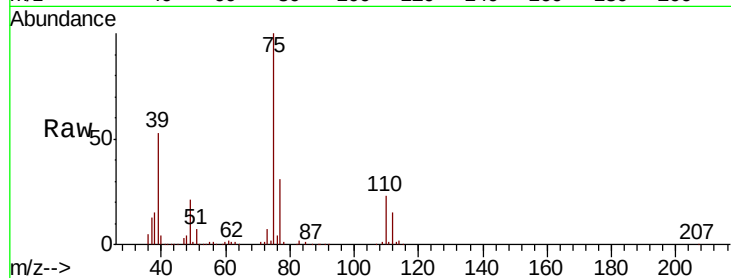
#53
t-1,3-Dichloropropene
Concen: 56.361 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.8

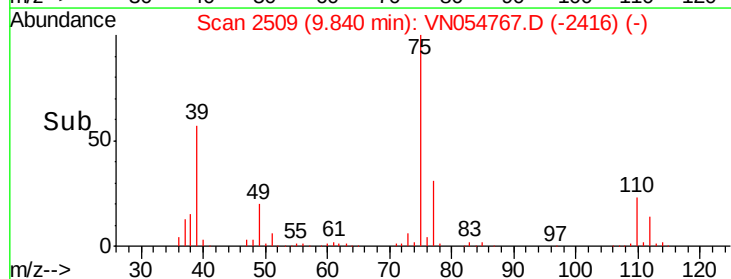
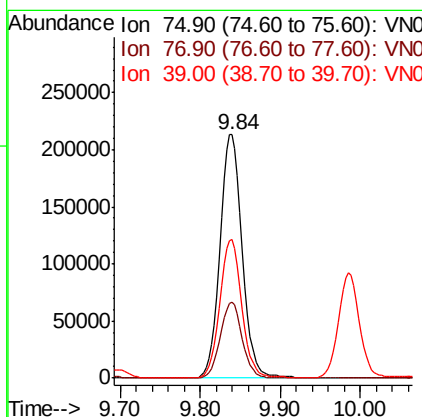
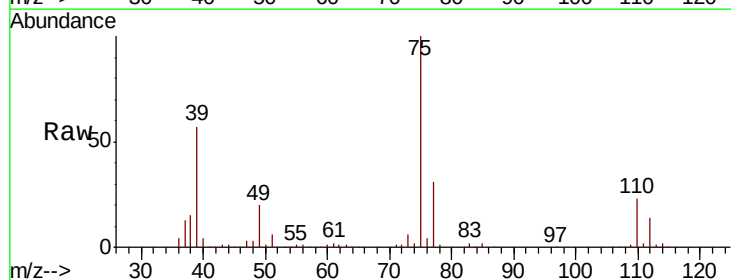
Manual Integrations
APPROVED

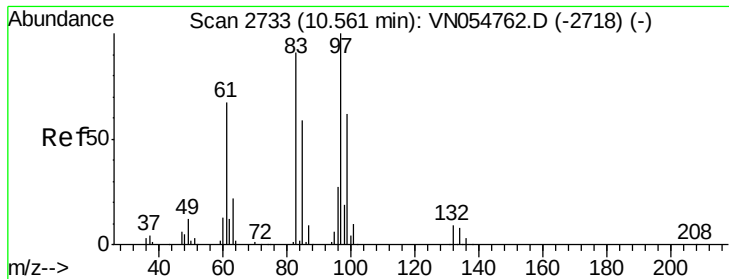
MMDadoda
4/1/2019 4:00:28 PM



#54
cis-1,3-Dichloropropene
Concen: 56.450 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	56.6	37.2	55.8#





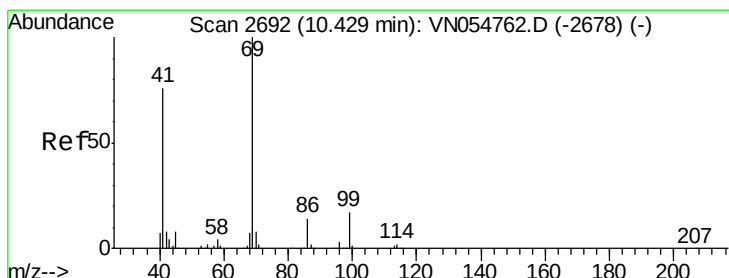
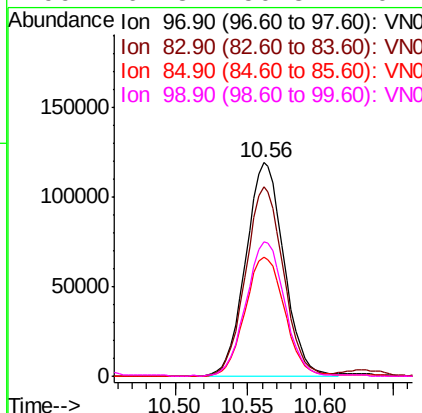
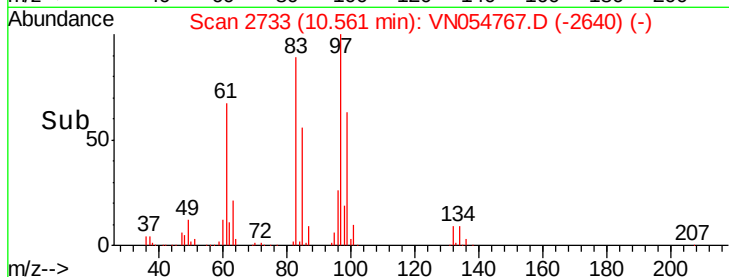
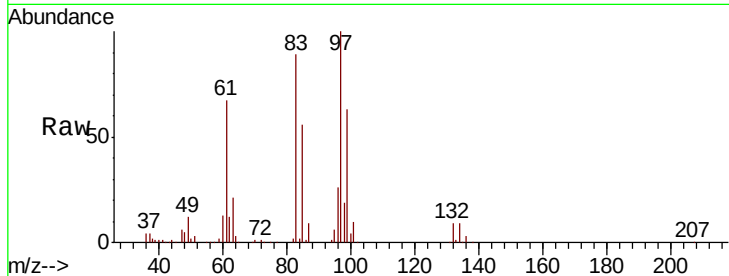
#55
 1,1,2-Trichloroethane
 Concen: 51.076 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN032919

Tot Ion	97	Resp	218748
Ion	Ratio	Lower	Upper
97	100		
83	89.0	66.6	100.0
85	55.7	44.4	66.6
99	62.8	50.8	76.2

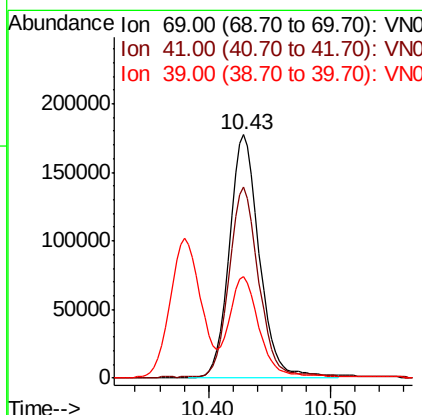
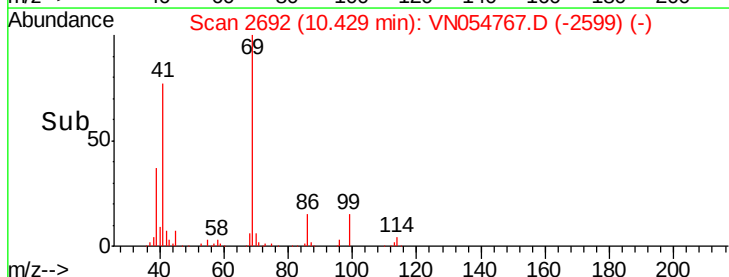
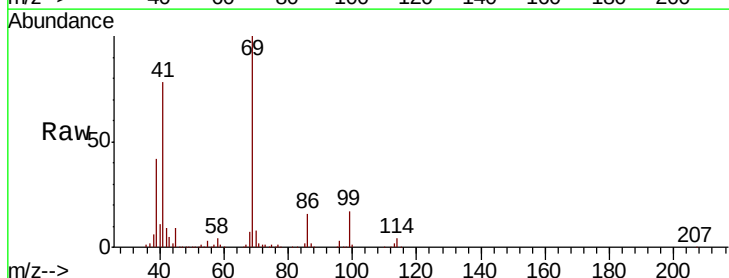
Manual Integrations
 APPROVED

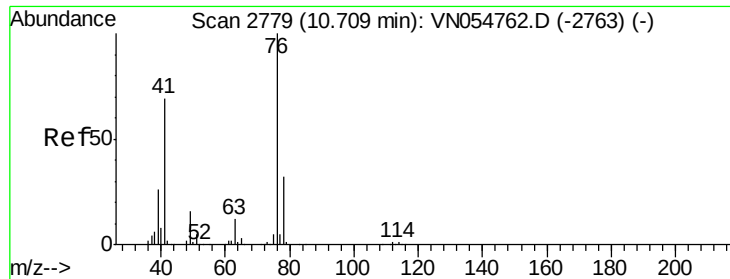
MMDadoda
 4/1/2019 4:00:28 PM



#56
 Ethyl methacrylate
 Concen: 54.401 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion	69	Resp	305631
Ion	Ratio	Lower	Upper
69	100		
41	76.8	49.4	74.2#
39	41.0	28.3	42.5





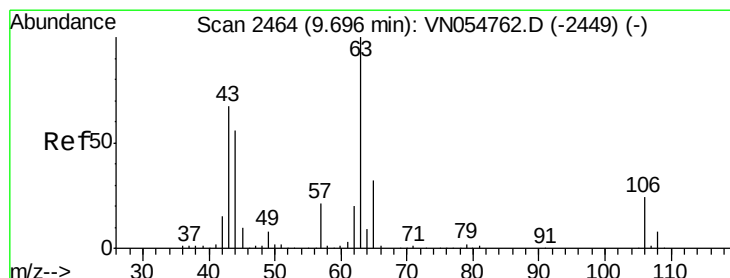
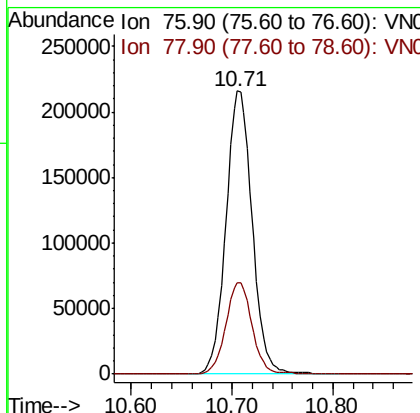
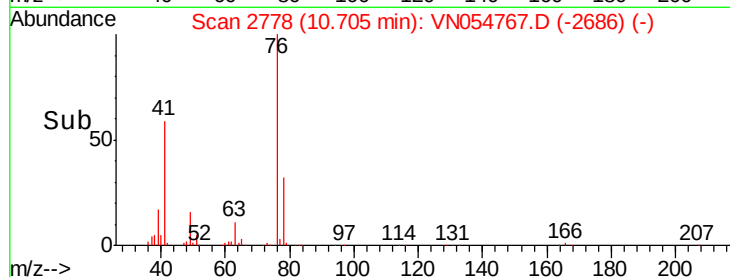
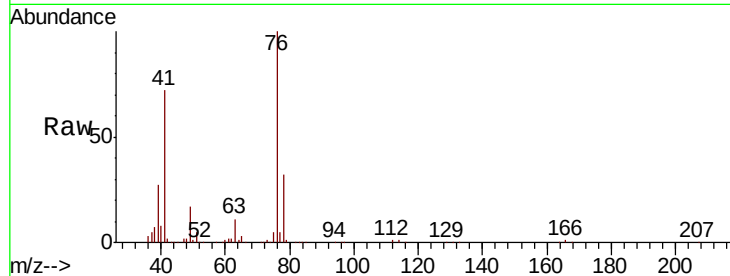
#57
 1,3-Dichloropropane
 Concen: 53.261 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

Tot Ion: 76 Resp: 392159
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

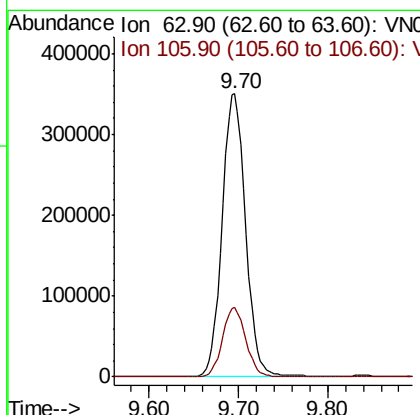
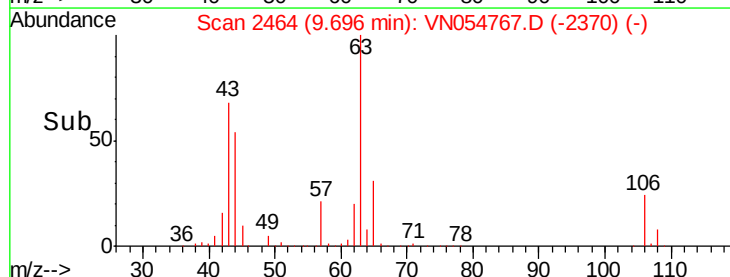
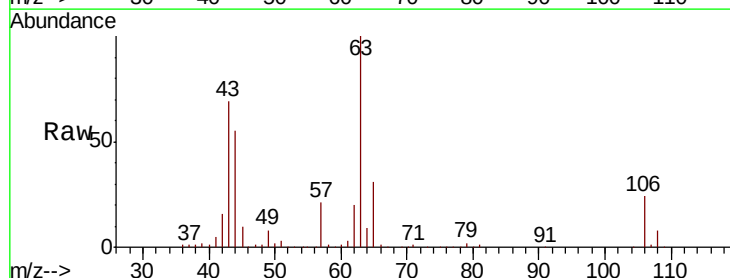
Manual Integrations
 APPROVED

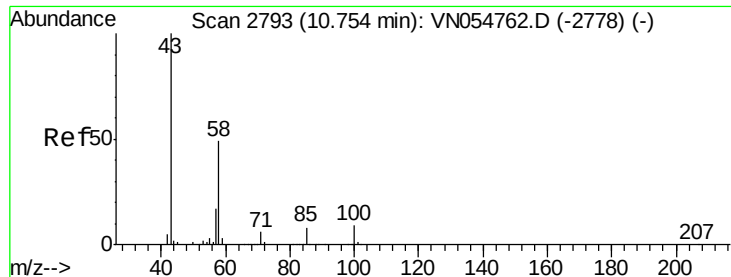
MMDadoda
 4/1/2019 4:00:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.413 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion: 63 Resp: 638877
 Ion Ratio Lower Upper
 63 100
 106 24.3 24.4 36.6#





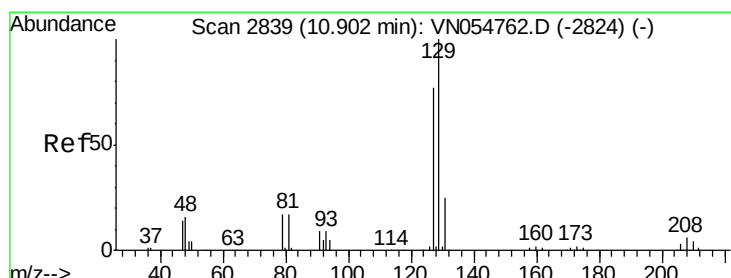
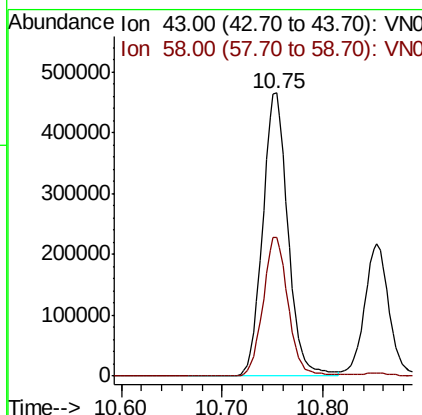
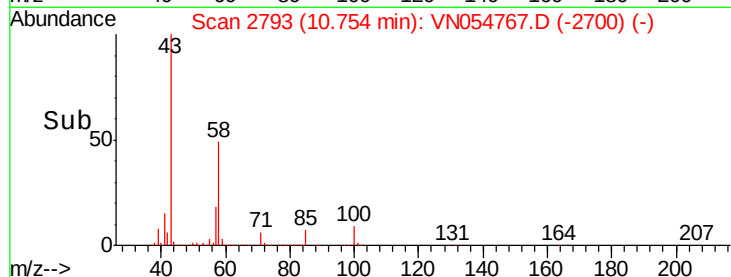
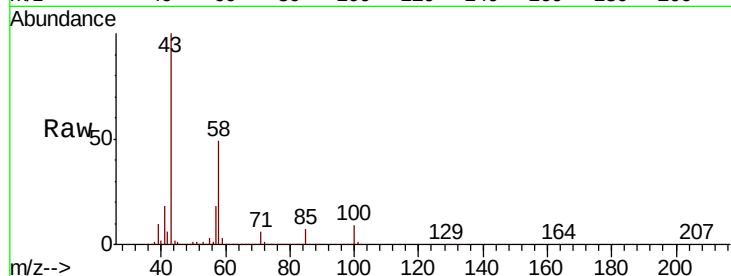
#59
2-Hexanone
Concen: 278.918 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

Tot Ion: 43 Resp: 809168
Ion Ratio Lower Upper
43 100
58 48.9 28.0 83.9

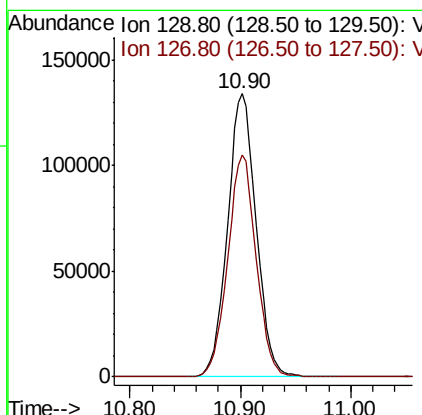
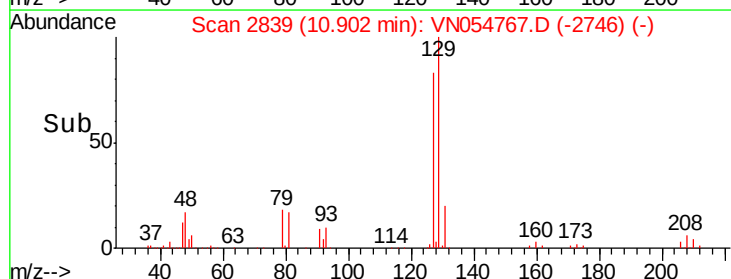
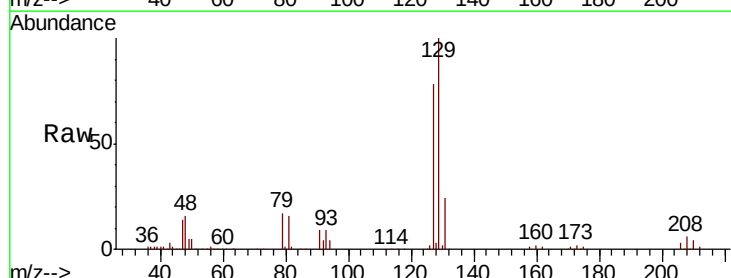
Manual Integrations
APPROVED

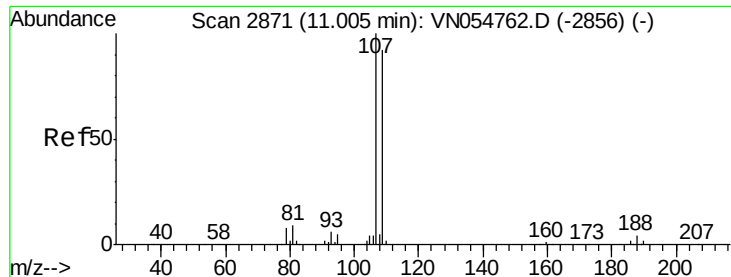
MMDadoda
4/1/2019 4:00:28 PM



#60
Dibromochloromethane
Concen: 55.542 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 129 Resp: 240960
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





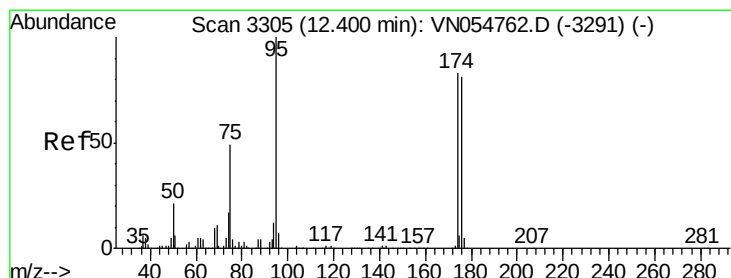
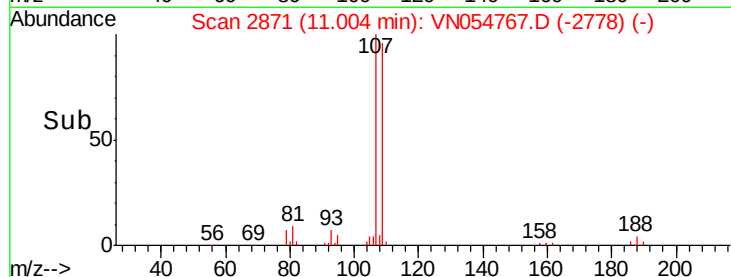
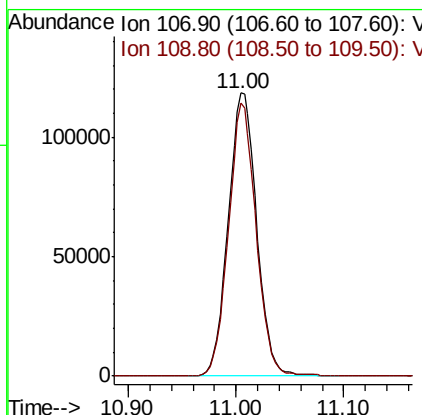
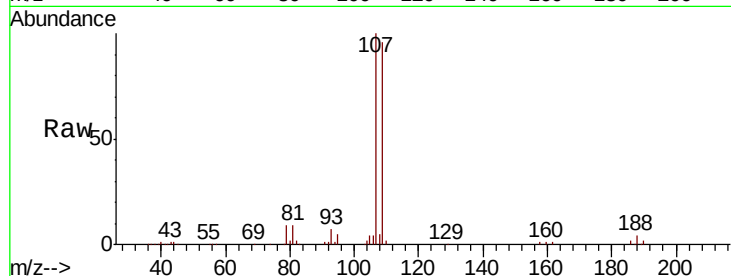
#61
 1,2-Dibromoethane
 Concen: 53.242 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN032919

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.9	113.9

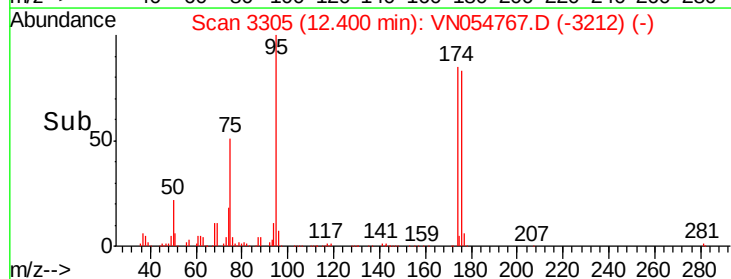
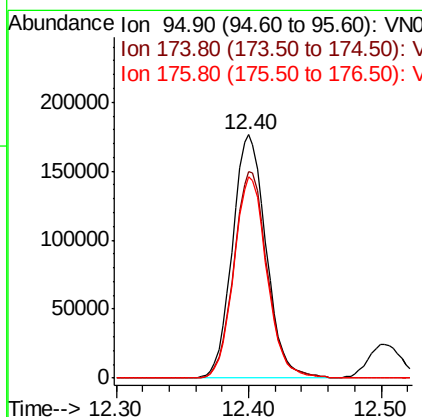
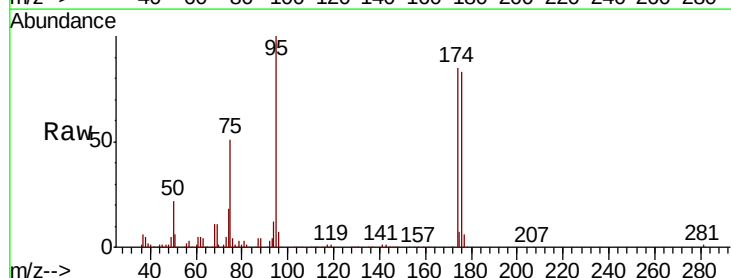
Manual Integrations
 APPROVED

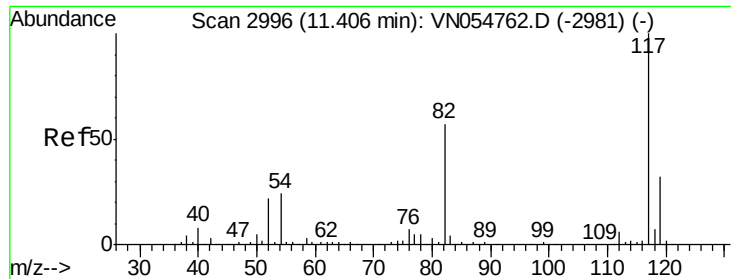
MMDadoda
 4/1/2019 4:00:28 PM



#62
 4-Bromofluorobenzene
 Concen: 52.013 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	191.0
176	81.3	0.0	187.4





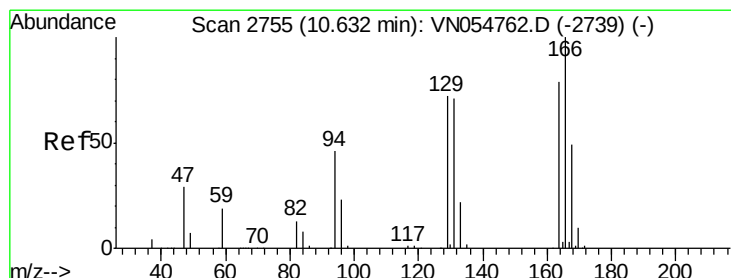
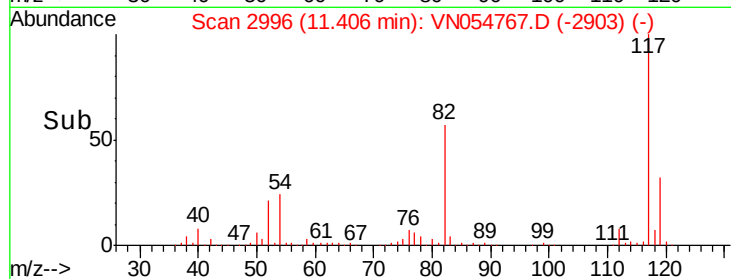
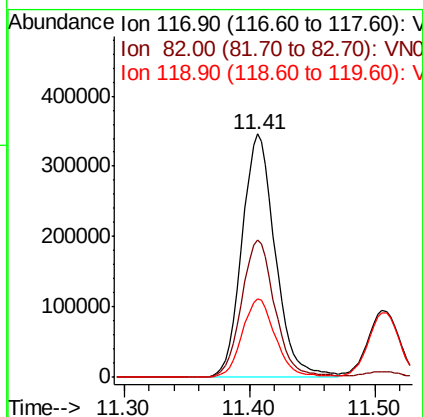
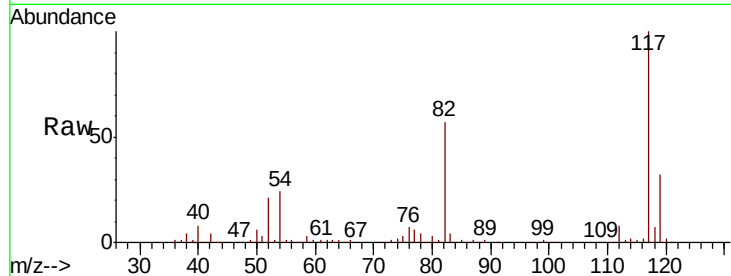
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	40.0	60.0
119	32.3	25.8	38.6

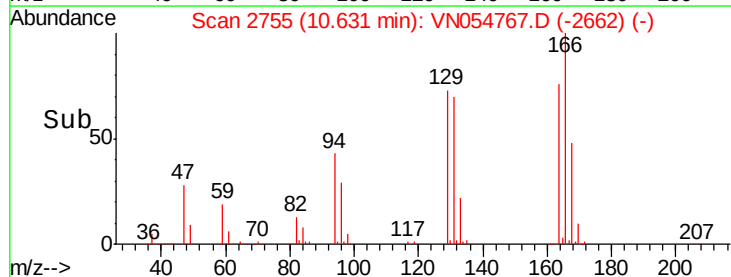
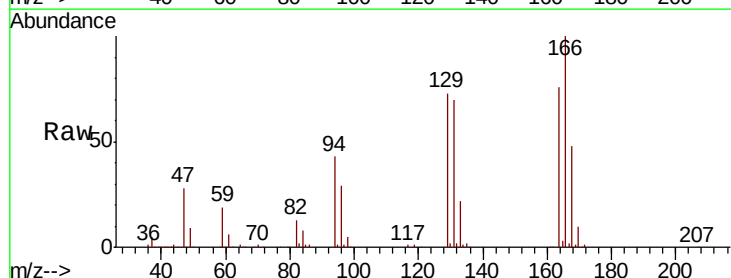
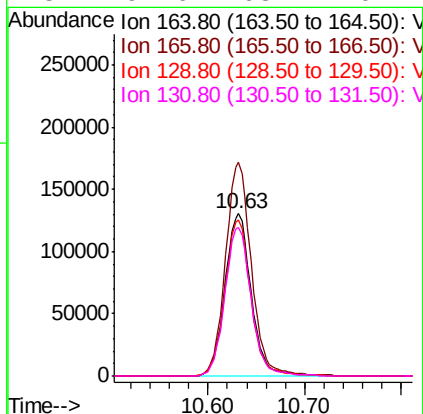
Manual Integrations
APPROVED

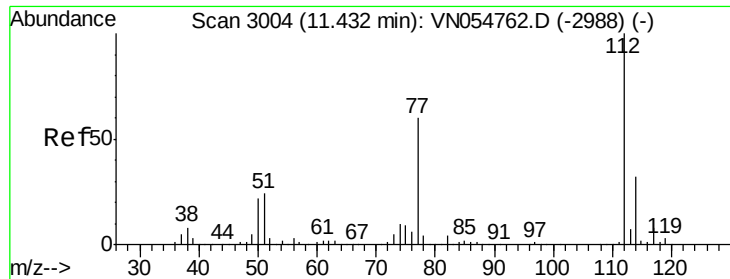
MMDadoda
4/1/2019 4:00:28 PM



#64
Tetrachloroethene
Concen: 50.162 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	103.9	155.9
129	96.0	71.1	106.7
131	91.6	68.2	102.4





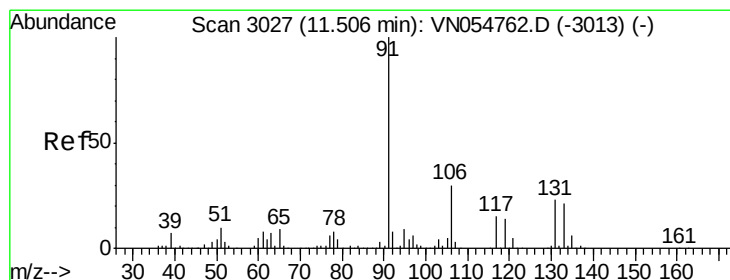
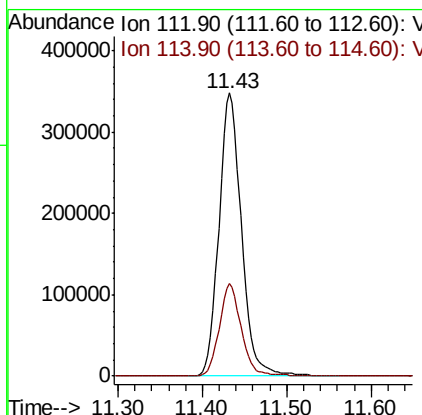
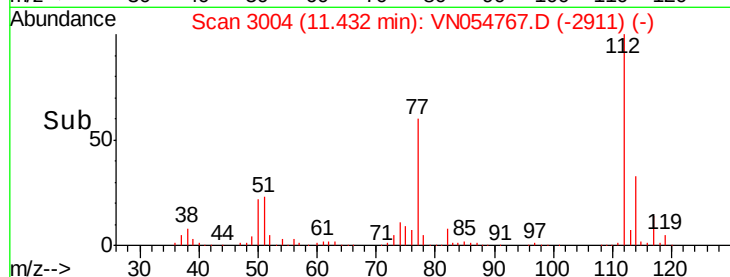
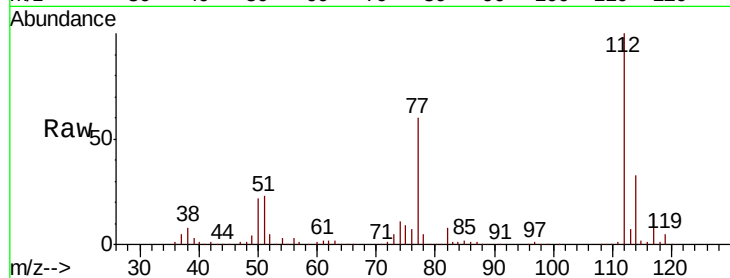
#65
Chlorobenzene
Concen: 51.427 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

Tot Ion:112 Resp: 644752
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9

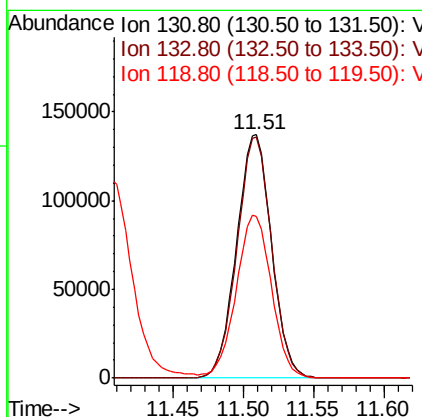
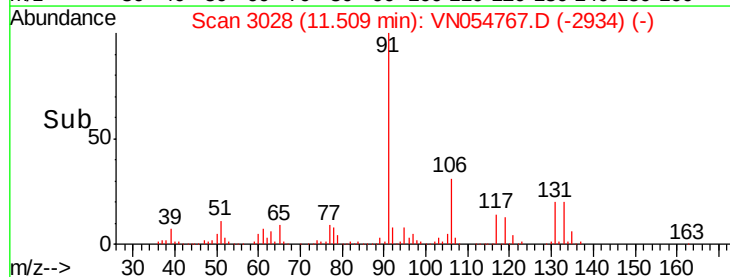
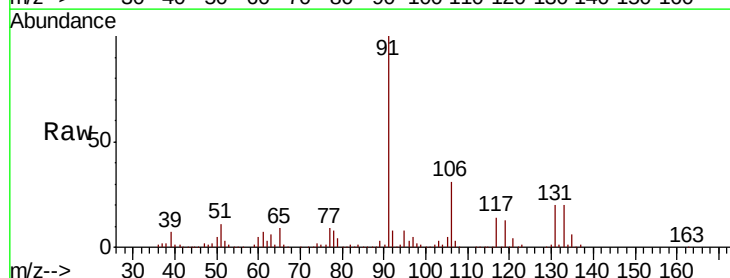
Manual Integrations
APPROVED

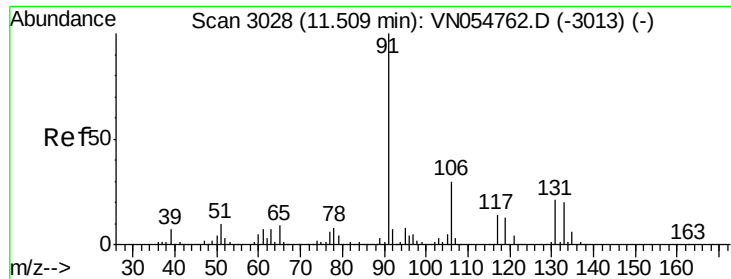
MMDadoda
4/1/2019 4:00:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.891 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion:131 Resp: 238811
Ion Ratio Lower Upper
131 100
133 98.1 47.6 142.9
119 67.7 32.4 97.0





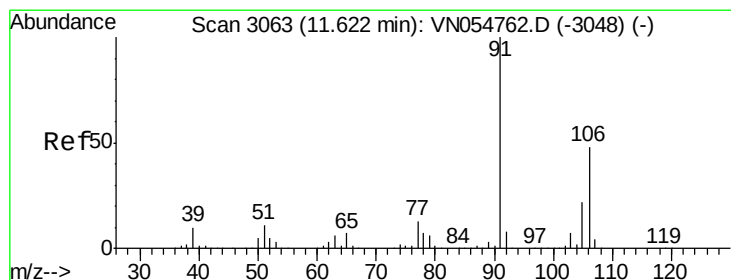
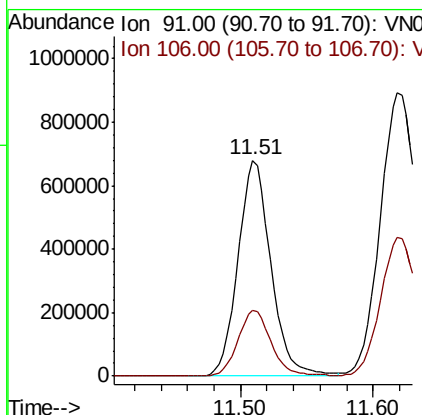
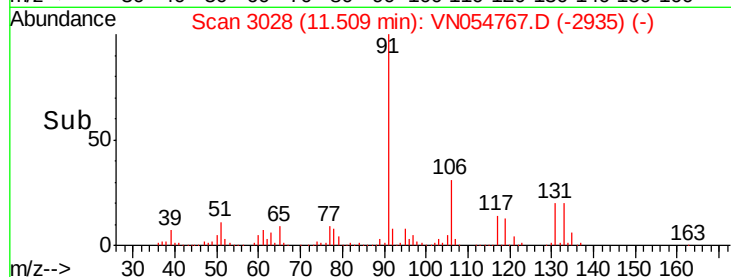
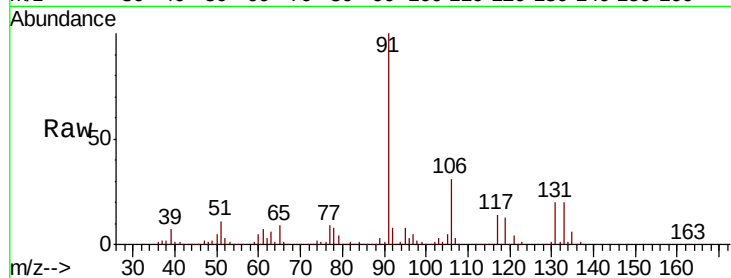
#67
Ethyl Benzene
Concen: 51.929 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

Tot Ion: 91 Resp: 1174838
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

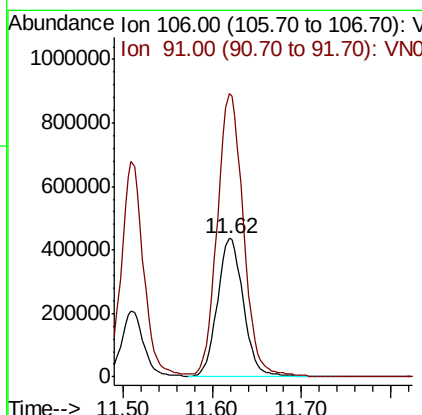
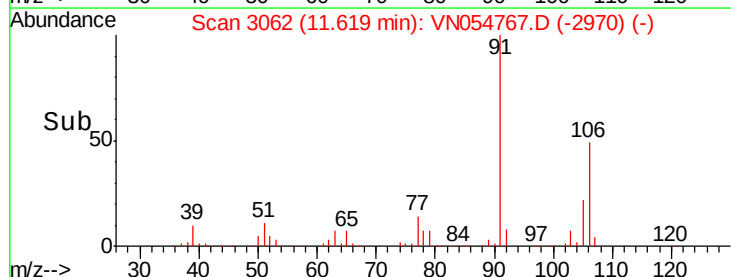
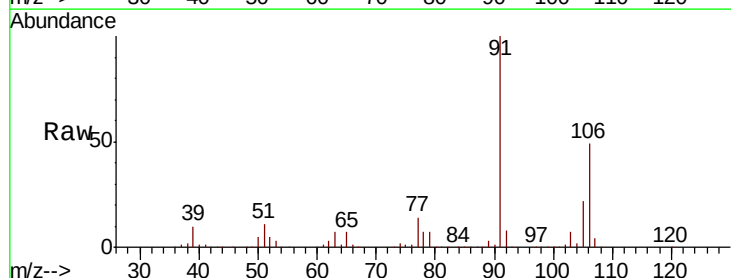
Manual Integrations
APPROVED

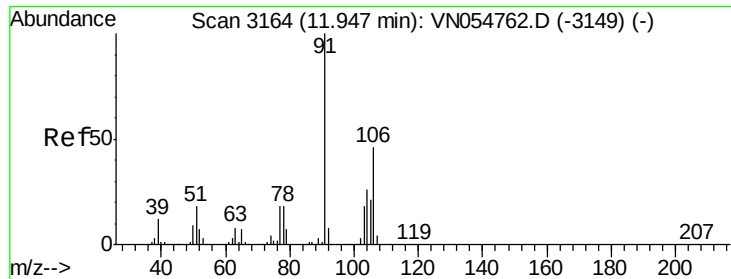
MMDadoda
4/1/2019 4:00:28 PM



#68
m/p-Xylenes
Concen: 105.433 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 106 Resp: 882713
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2





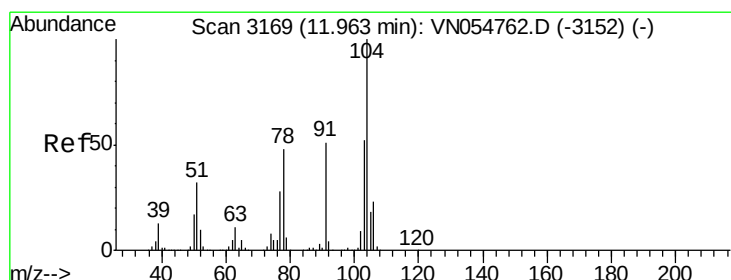
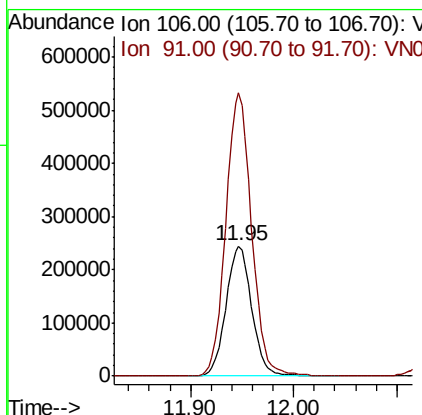
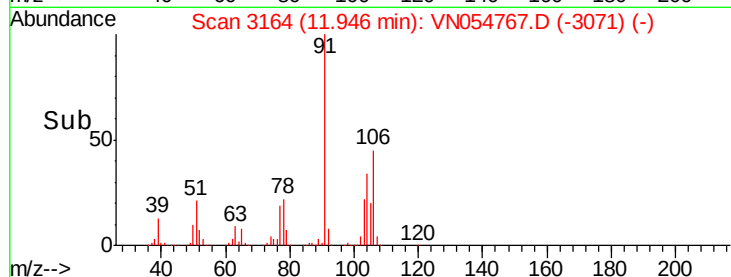
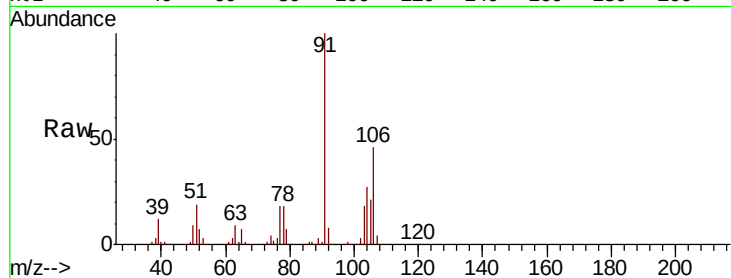
#69
o-Xylene
Concen: 51.809 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

Tot Ion:106 Resp: 425345
Ion Ratio Lower Upper
106 100
91 217.7 105.7 317.1

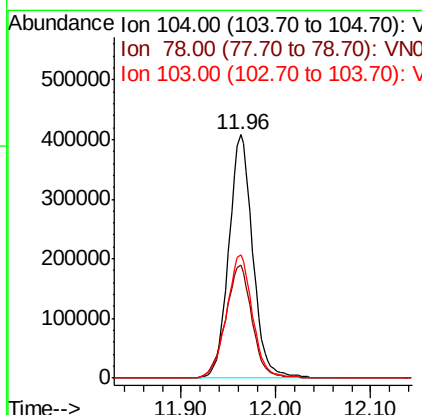
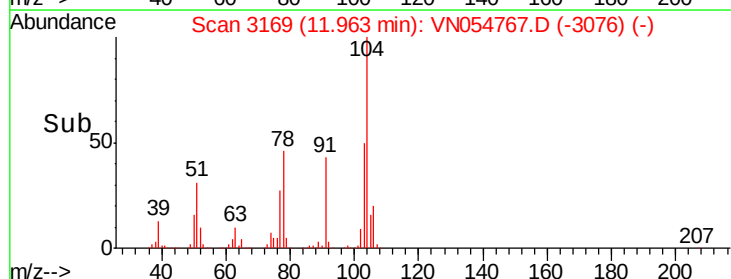
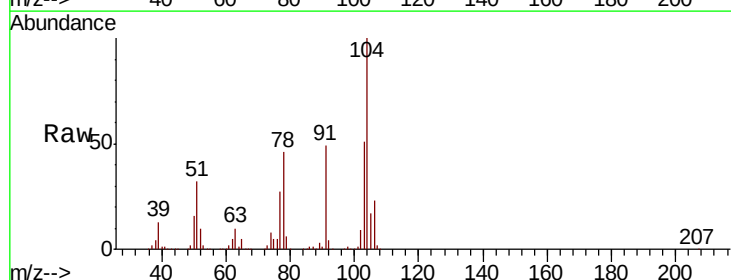
Manual Integrations
APPROVED

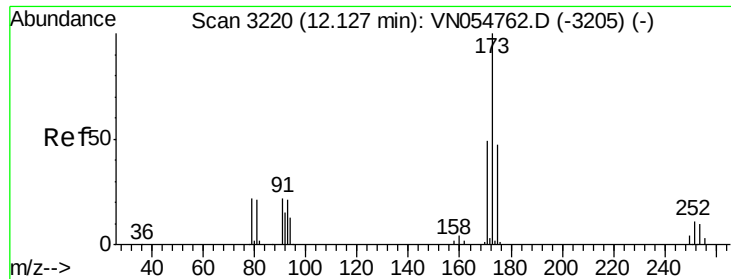
MMDadoda
4/1/2019 4:00:28 PM



#70
Styrene
Concen: 54.649 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion:104 Resp: 717371
Ion Ratio Lower Upper
104 100
78 51.3 38.2 57.2
103 55.2 44.4 66.6





#71

Bromoform

Concen: 54.530 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

ICVVN032919

Tot Ion:173 Resp: 149911

Ion Ratio Lower Upper

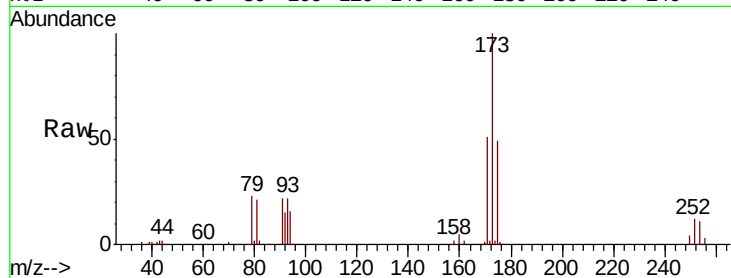
173 100

175 48.8 24.4 73.2

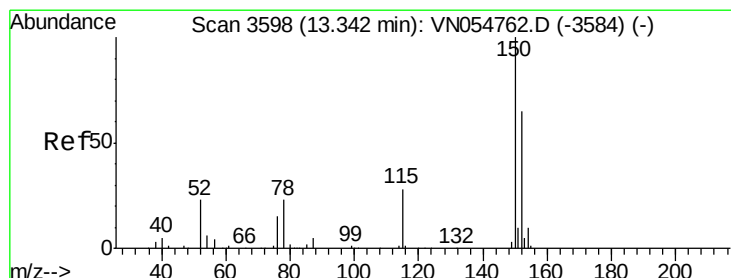
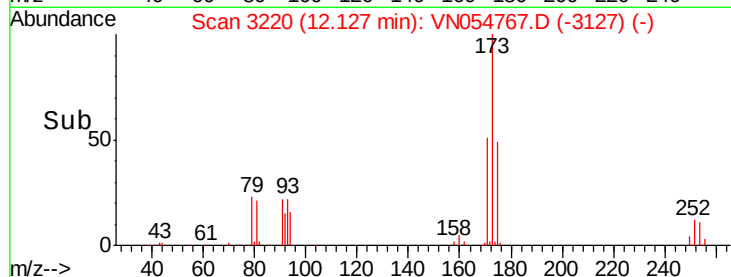
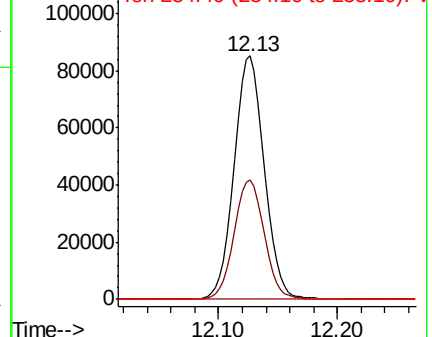
254 0.1 0.1 0.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

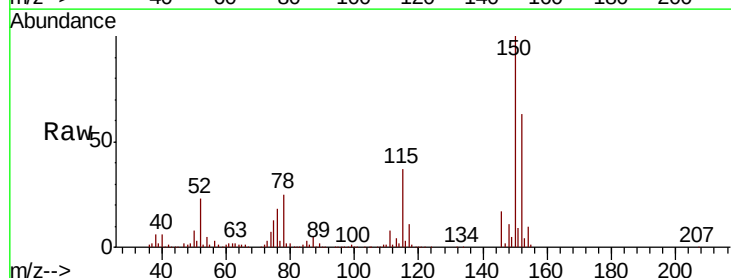
Tgt Ion:152 Resp: 294510

Ion Ratio Lower Upper

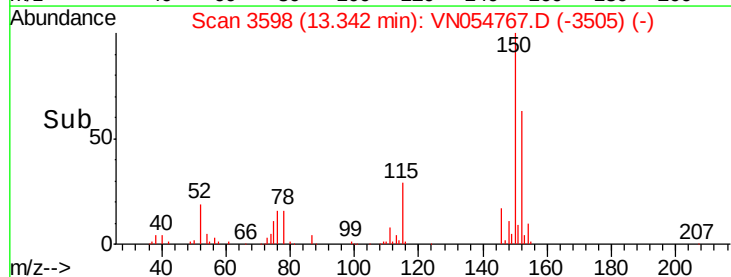
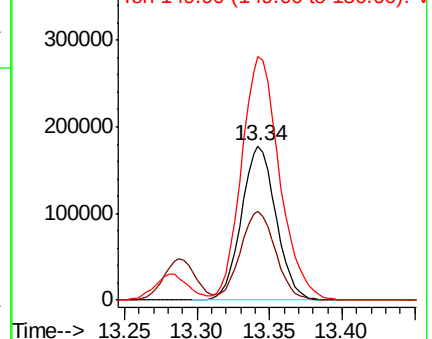
152 100

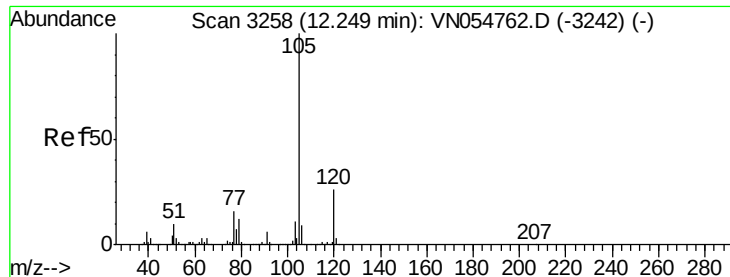
115 58.3 27.2 81.6

150 174.1 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: 46.908 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

Tot Ion:105 Resp: 1129160

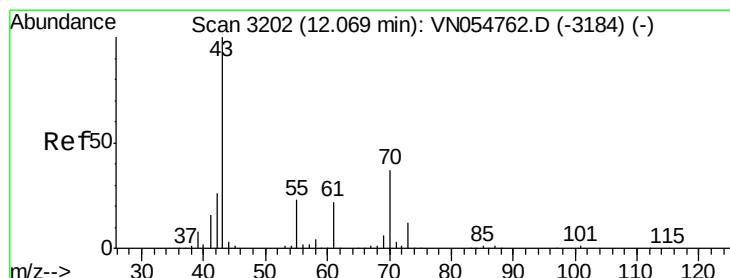
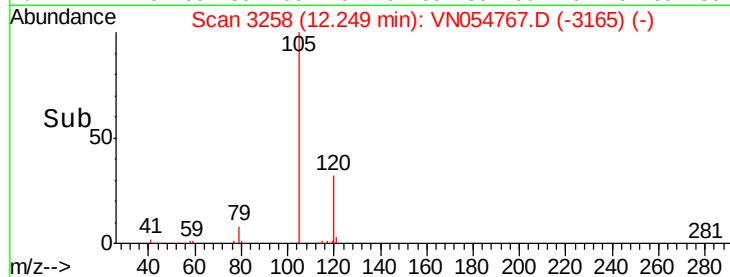
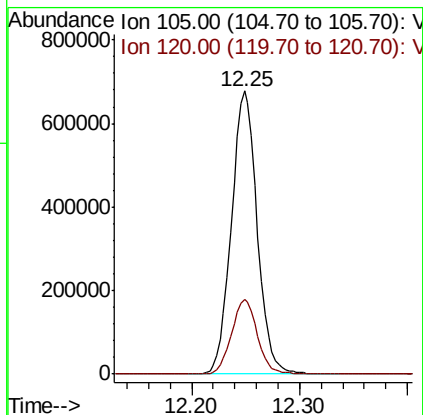
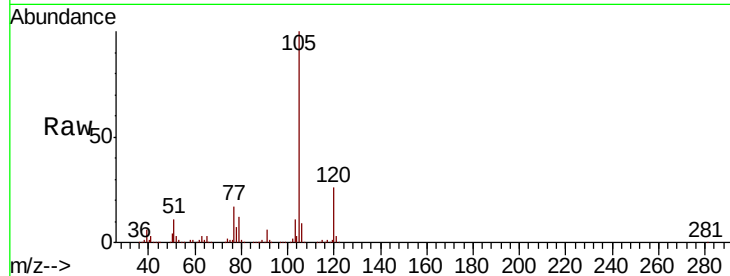
Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM



#74

N-ethyl acetate

Concen: 49.928 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Tgt Ion: 43 Resp: 374436

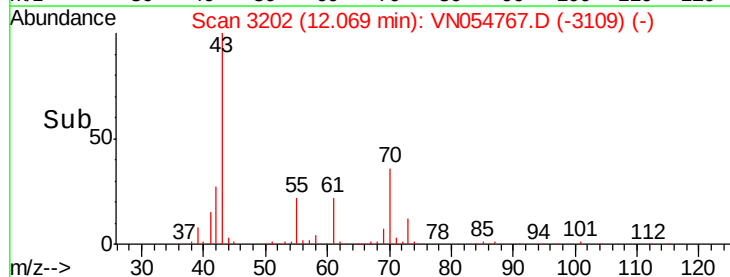
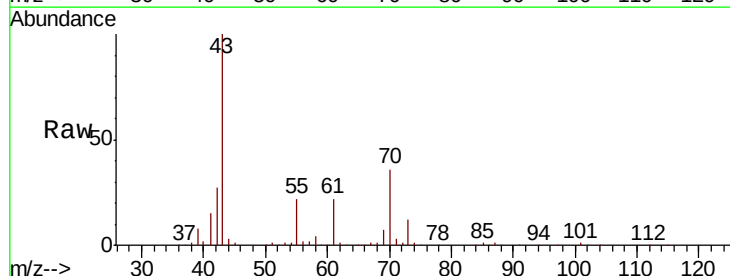
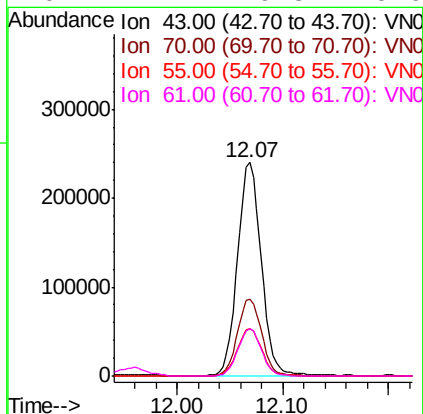
Ion Ratio Lower Upper

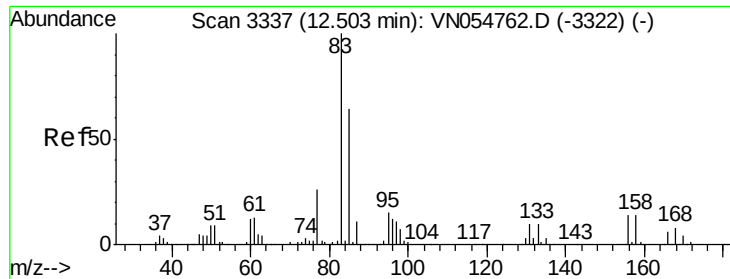
43 100

70 36.7 35.4 53.0

55 23.1 19.8 29.6

61 22.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.268 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

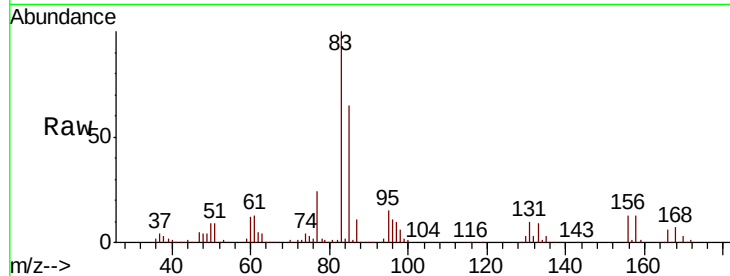
ClientSampleId :

ICVVN032919

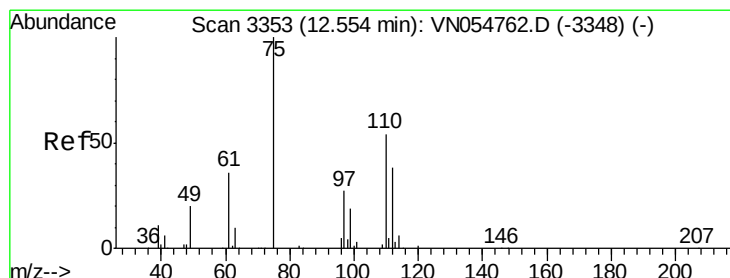
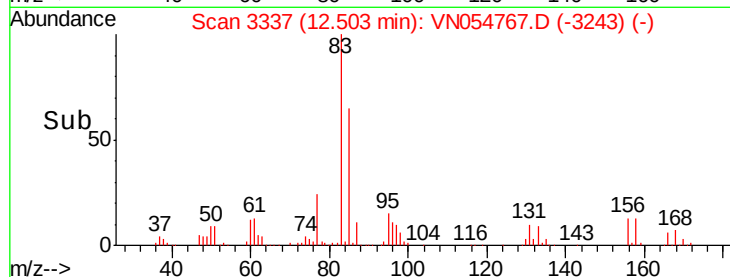
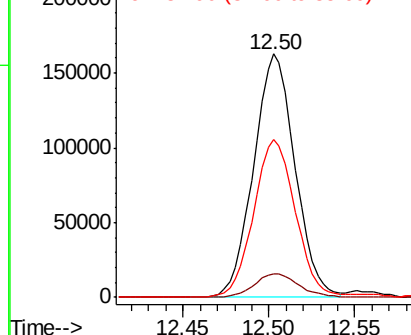
Tot Ion:	83	Resp:	271827
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.8	17.4
85	65.3	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 44.519 ug/l m

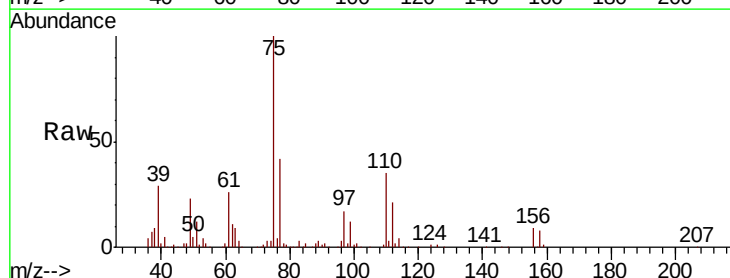
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

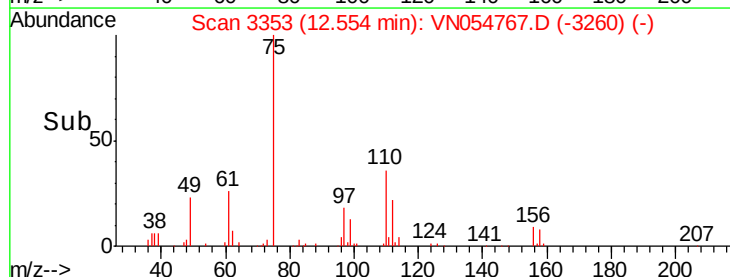
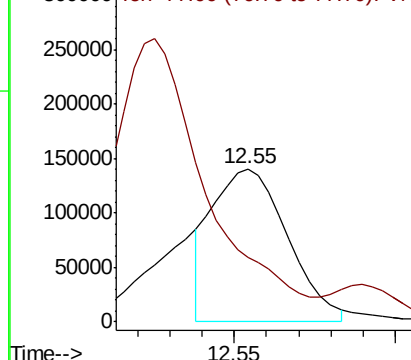
Lab File: VN054767.D

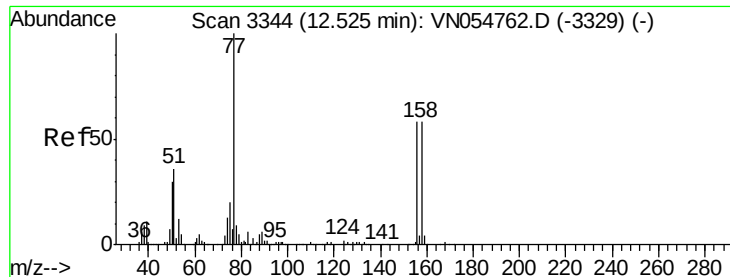
Acq: 29 Mar 2019 13:41

Tgt Ion:	75	Resp:	227771
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.930 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

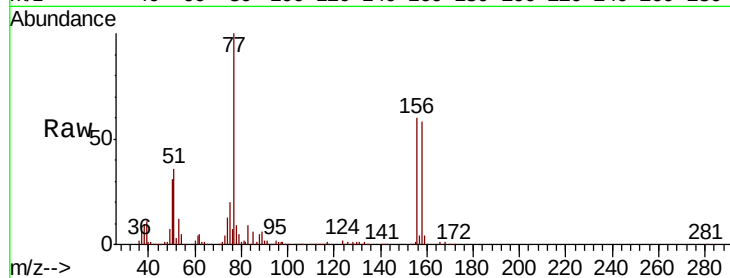
ClientSampleId :

ICVVN032919

Tot Ion:	156	Resp:	278455
Ion Ratio	Lower	Upper	
156	100		
77	193.7	81.5	244.4
158	97.0	49.0	147.2

Manual Integrations
APPROVED

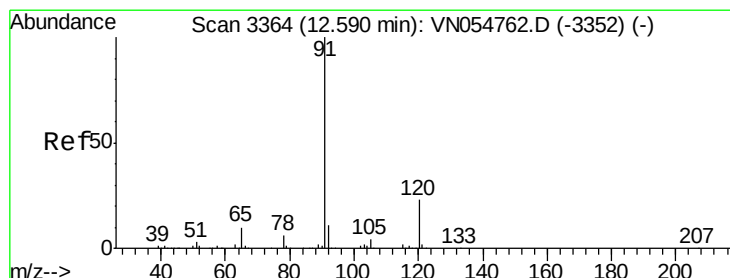
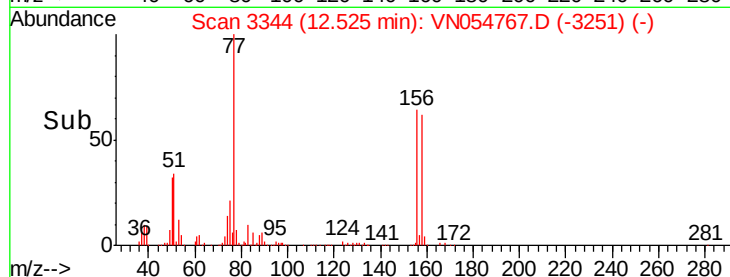
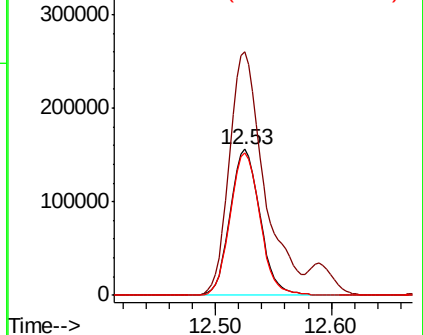
MMDadoda
4/1/2019 4:00:28 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.526 ug/l

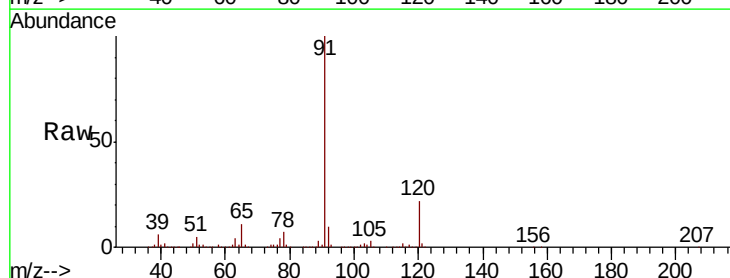
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054767.D

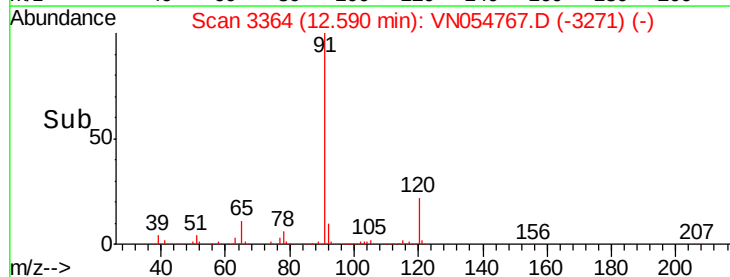
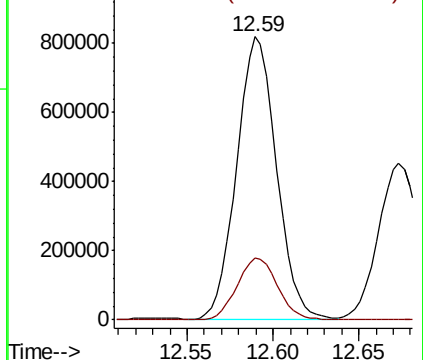
Acq: 29 Mar 2019 13:41

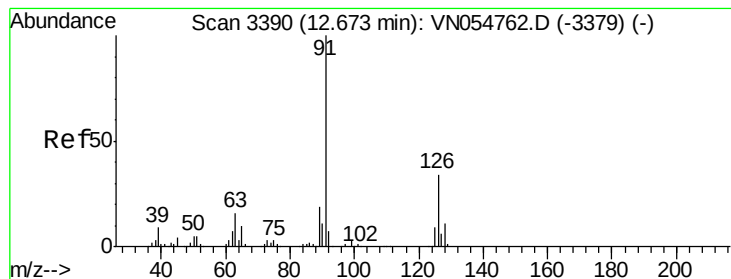
Tgt Ion:	91	Resp:	1310347
Ion Ratio	Lower	Upper	
91	100		
120	22.3	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.452 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

ICVVN032919

Tot Ion: 91 Resp: 776715

Ion Ratio Lower Upper

91 100

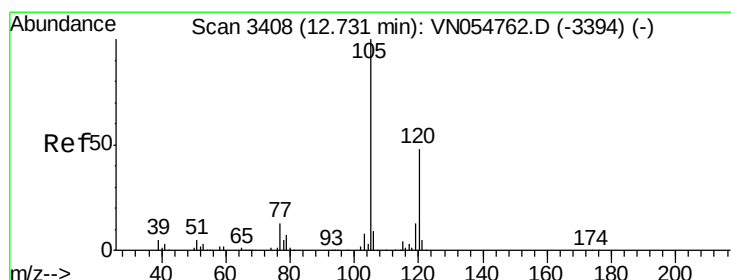
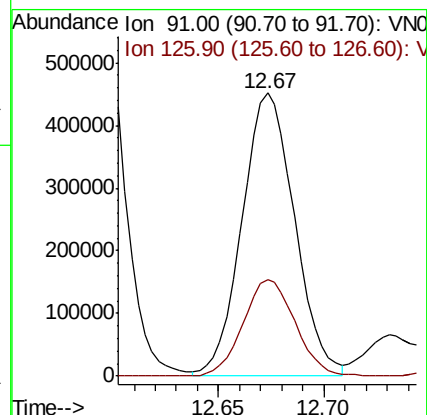
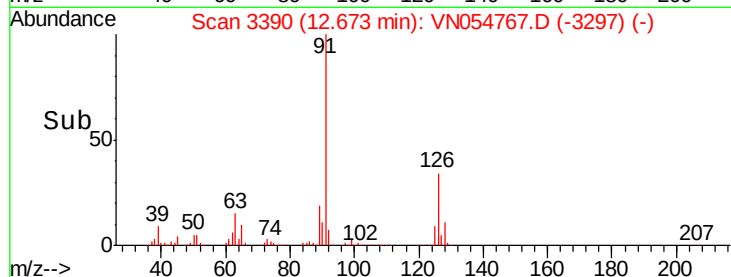
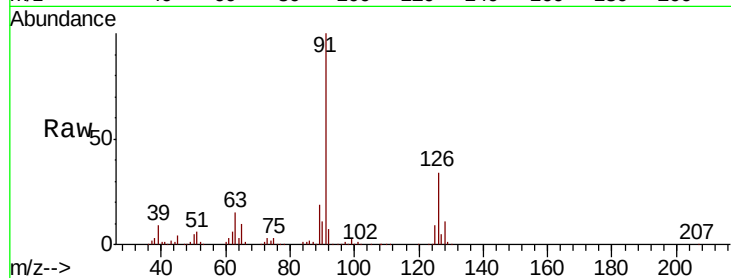
126 34.2 18.7 56.1

Manual Integrations

APPROVED

MMDadoda

4/1/2019 4:00:28 PM



#80

1,3,5-Trimethylbenzene

Concen: 48.399 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054767.D

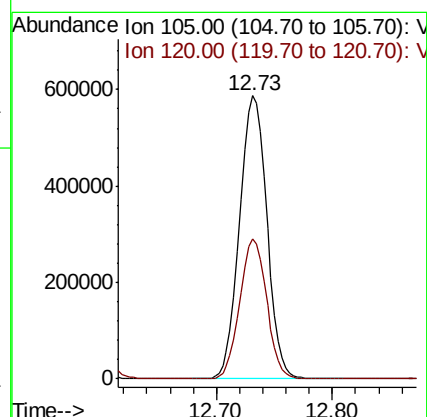
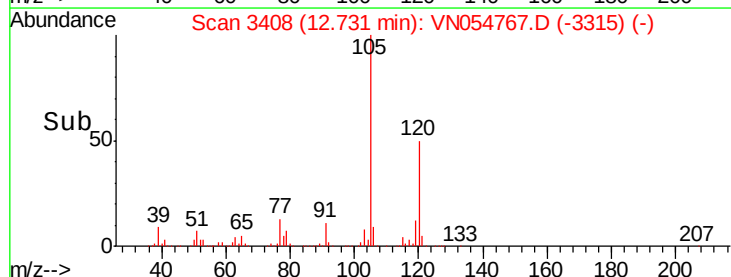
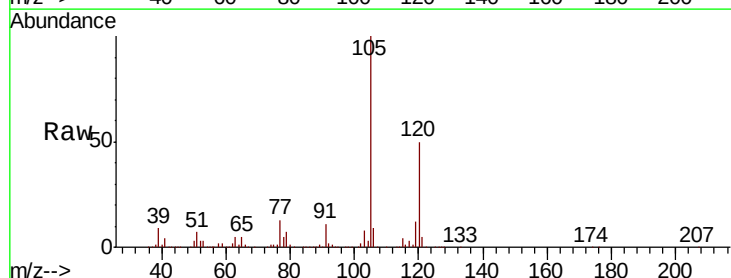
Acq: 29 Mar 2019 13:41

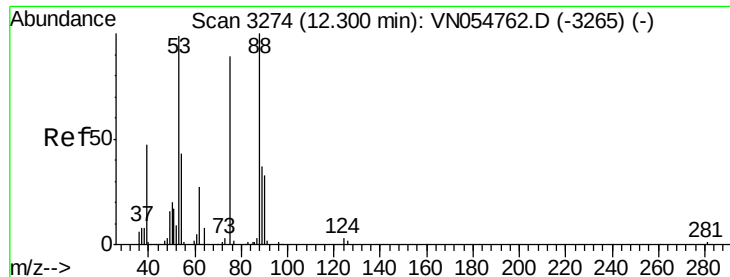
Tgt Ion: 105 Resp: 955972

Ion Ratio Lower Upper

105 100

120 48.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.517 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

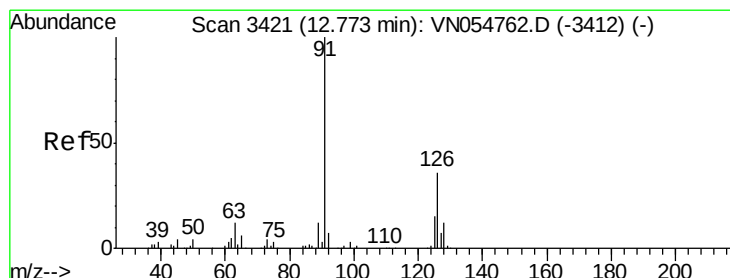
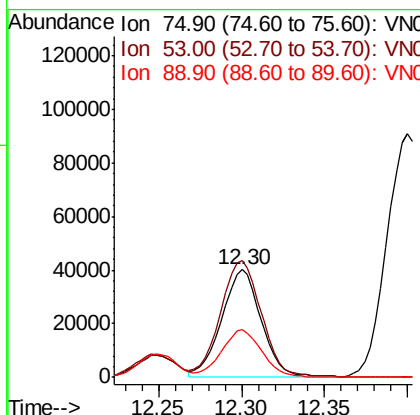
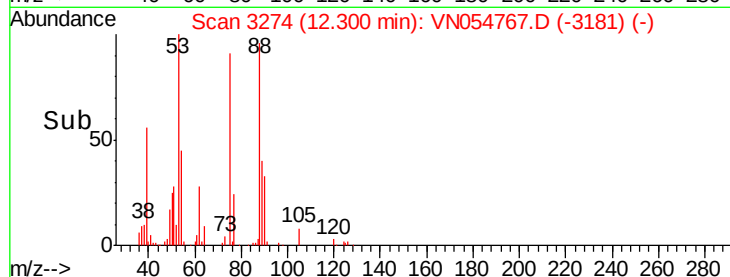
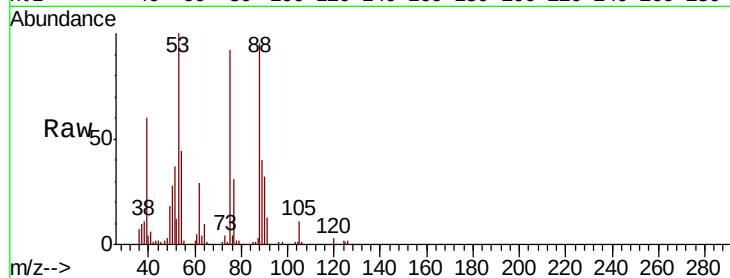
ClientSampleId :

ICVVN032919

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.3	76.2	114.2#
89	46.1	39.2	58.8

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM



#82

4-Chlorotoluene

Concen: 49.194 ug/l

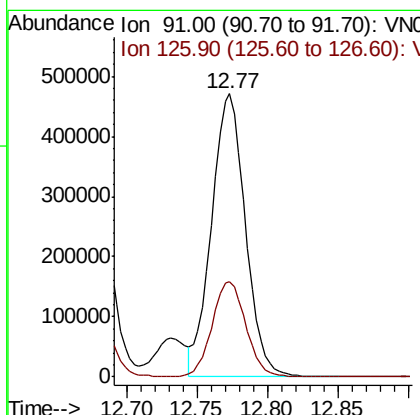
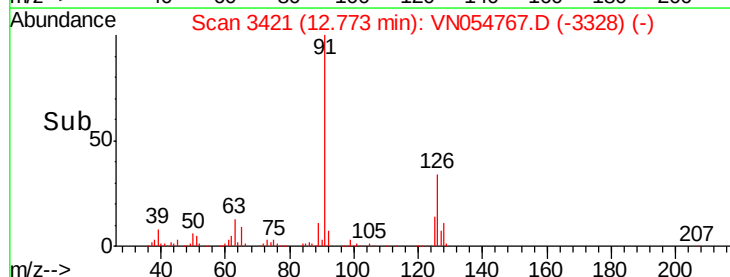
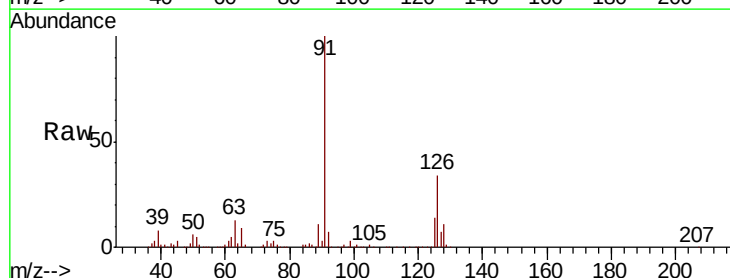
RT: 12.77 min Scan# 3421

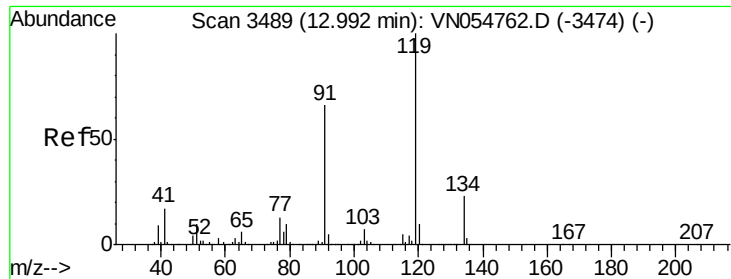
Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	18.1	54.1





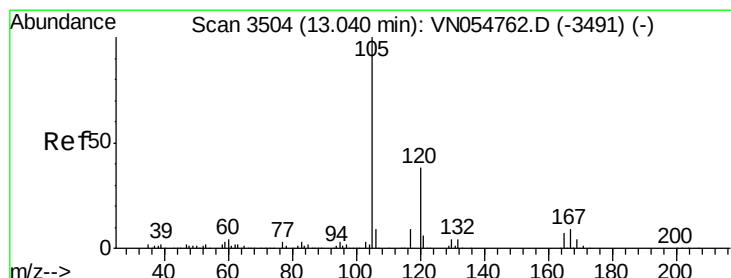
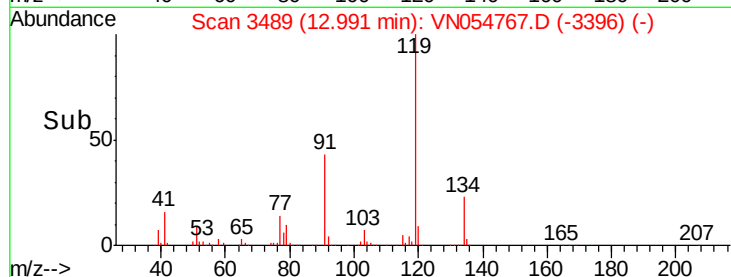
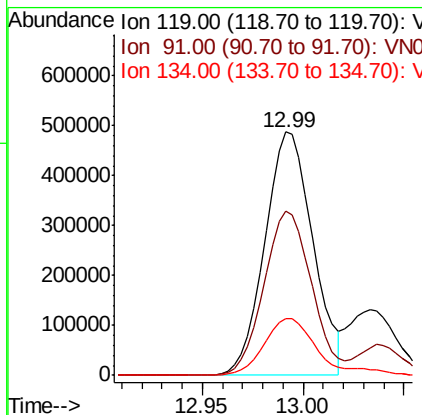
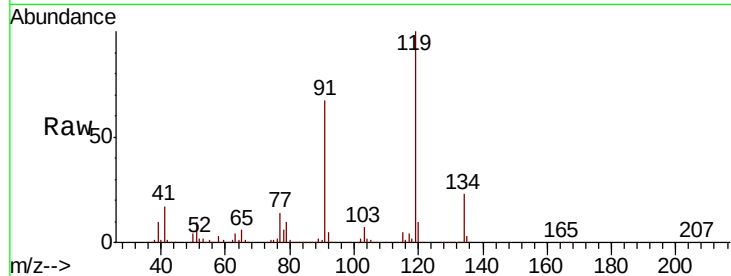
#83
tert-Butylbenzene
Concen: 52.894 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	30.9	92.8
134	26.0	13.2	39.6

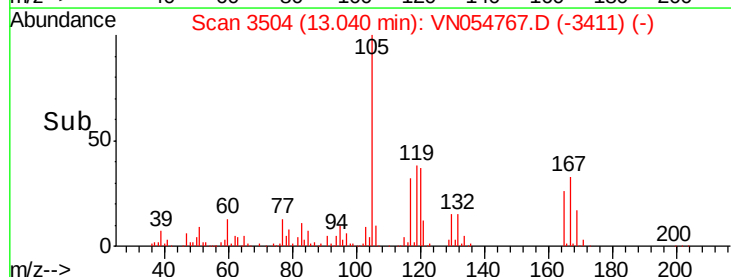
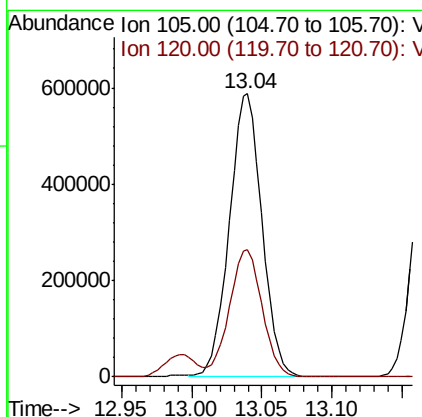
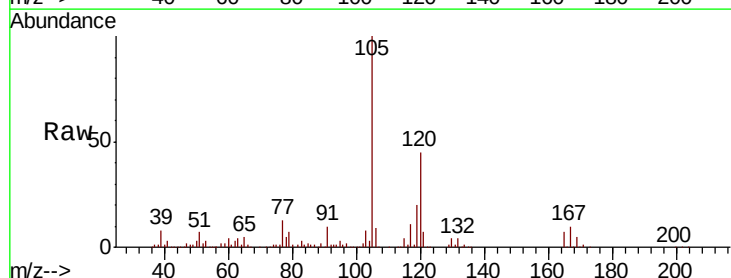
Manual Integrations
APPROVED

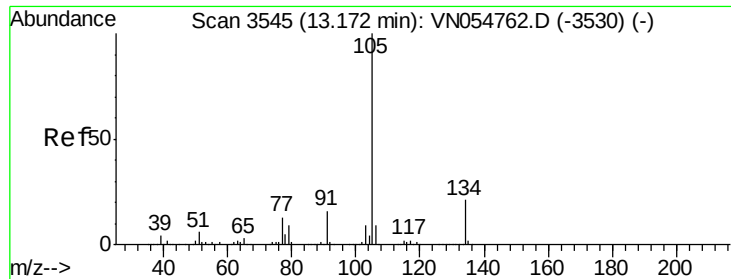
MMDadoda
4/1/2019 4:00:28 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.396 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.766 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

Tot Ion:105 Resp: 1046348

Ion Ratio Lower Upper

105 100

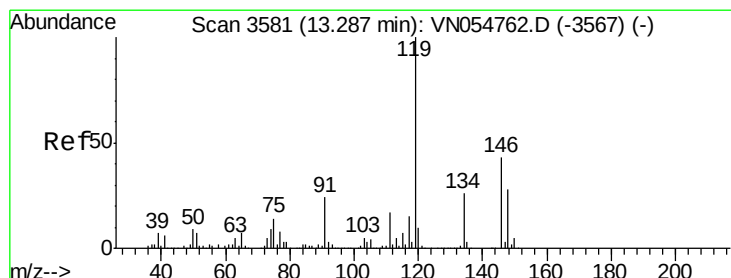
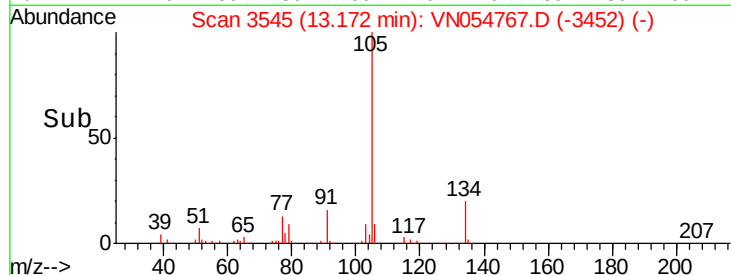
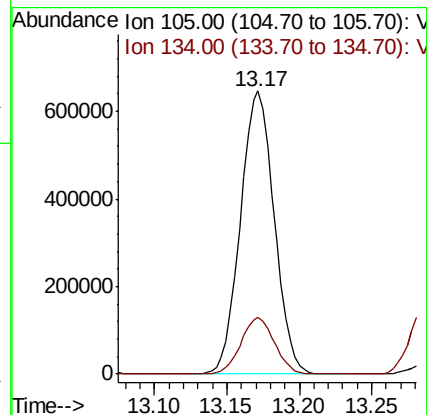
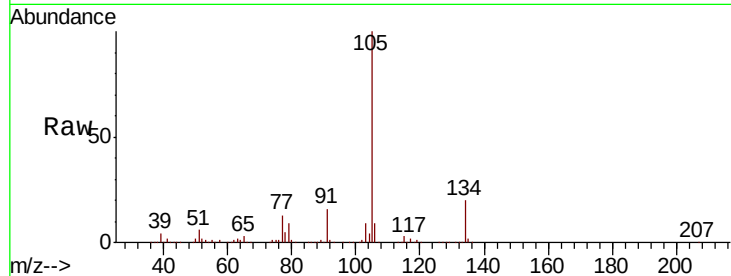
134 19.9 10.7 32.1

Manual Integrations

APPROVED

MMDadoda

4/1/2019 4:00:28 PM



#86

p-Isopropyltoluene

Concen: 50.342 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

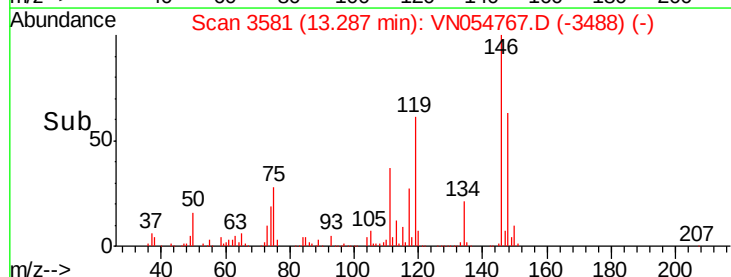
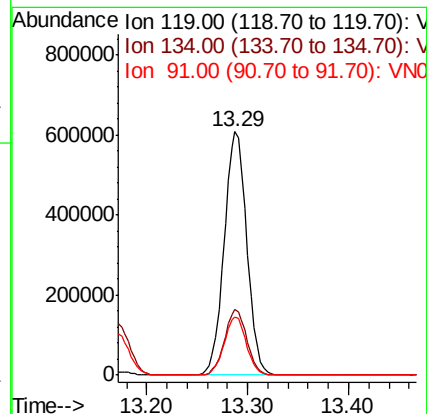
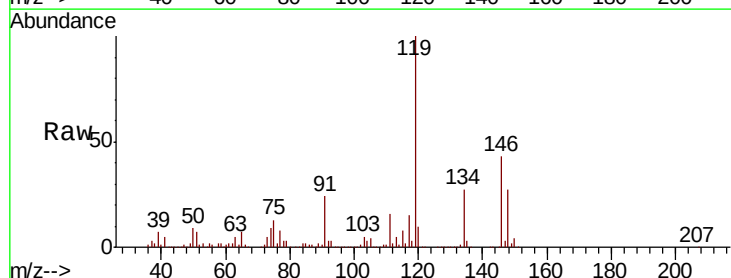
Tgt Ion:119 Resp: 952703

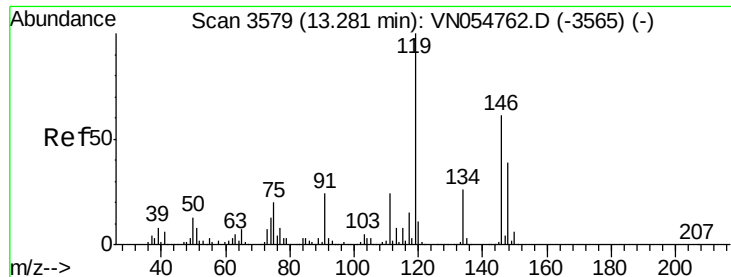
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 23.4 11.1 33.3





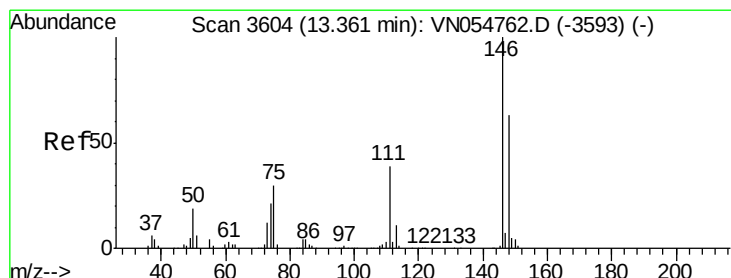
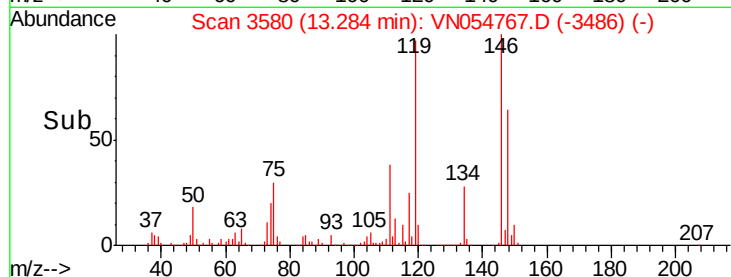
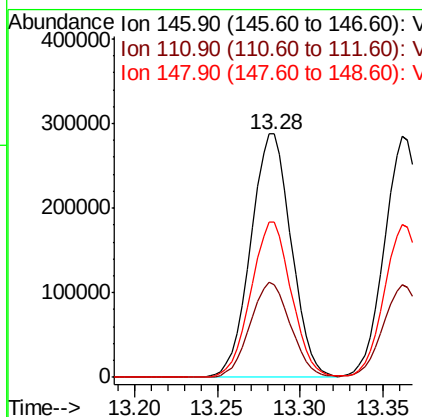
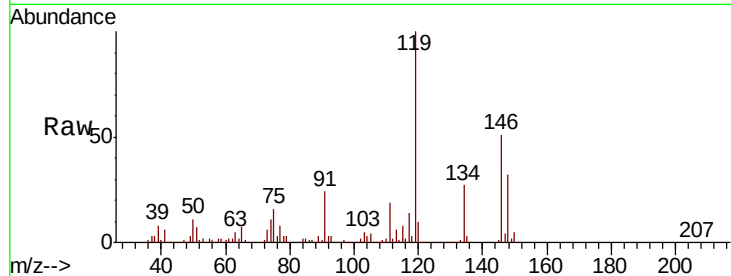
#87
 1,3-Dichlorobenzene
 Concen: 50.193 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

Tot Ion	Ratio	Resp	Lower	Upper
146	100	488215		
111	38.9	18.8	56.3	
148	63.7	32.2	96.6	

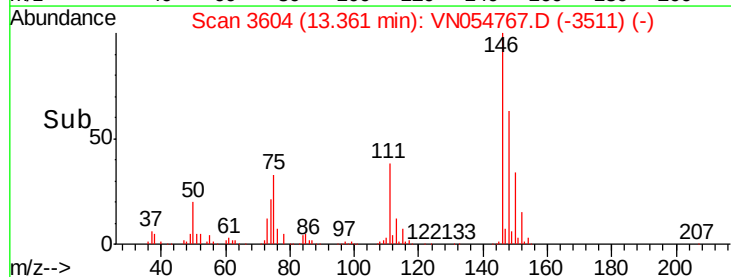
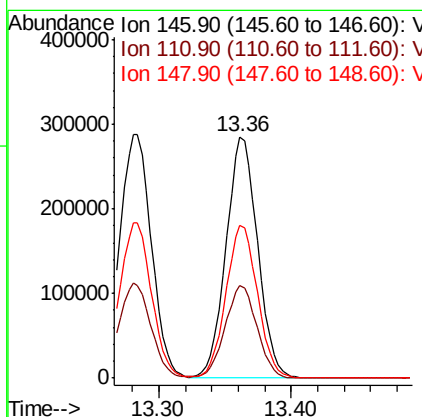
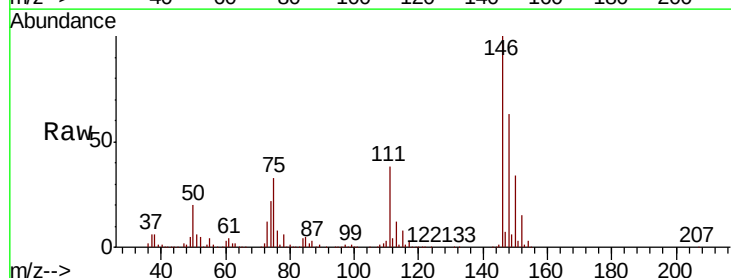
Manual Integrations
 APPROVED

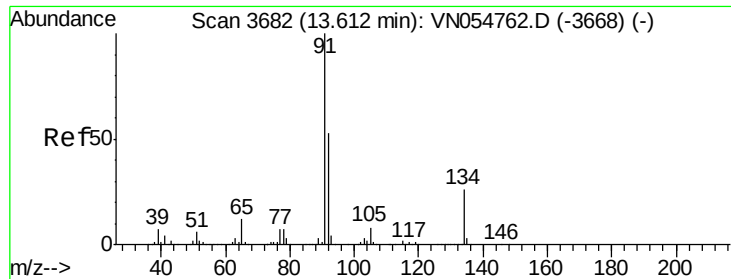
MMDadoda
 4/1/2019 4:00:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.396 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	471245		
111	38.7	18.1	54.1	
148	63.5	32.0	96.0	





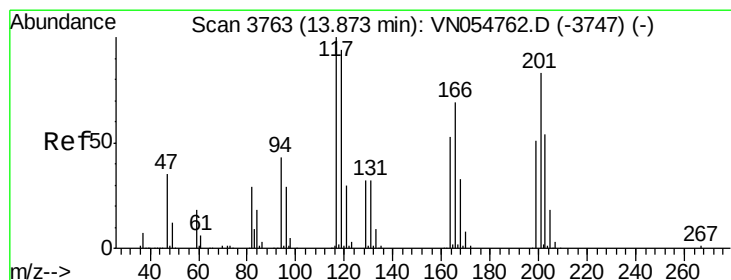
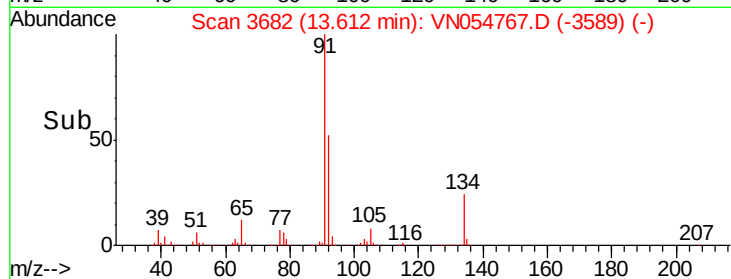
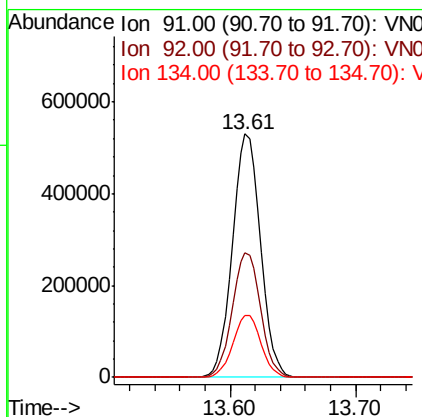
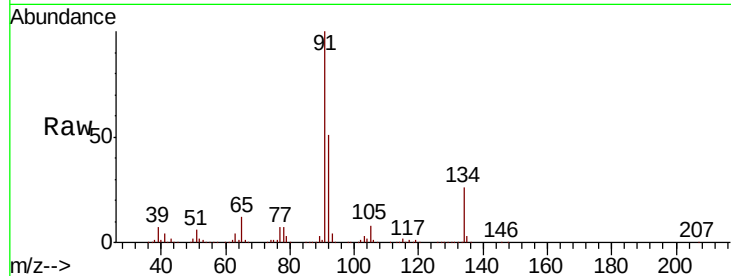
#89
n-Butylbenzene
Concen: 53.193 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.6
134	25.5	14.3	42.9

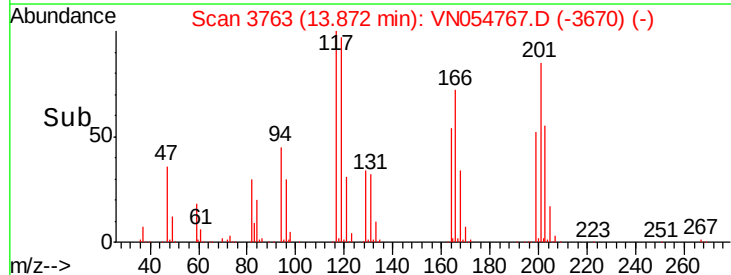
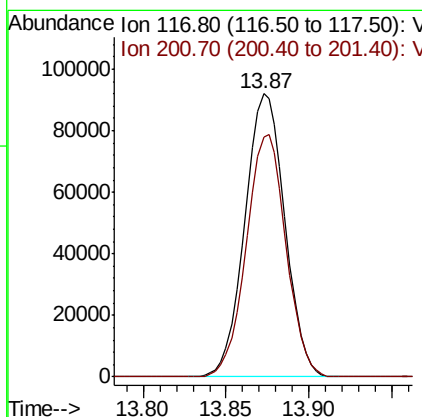
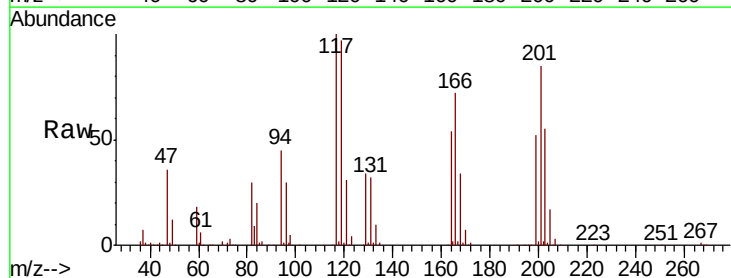
Manual Integrations
APPROVED

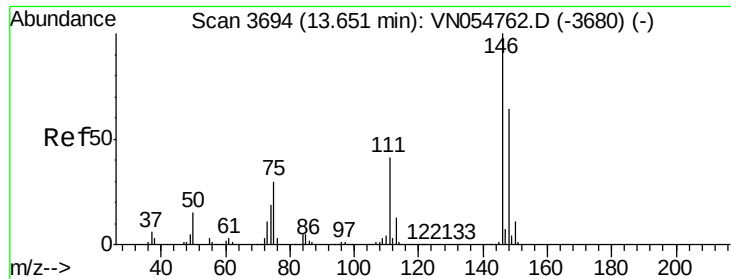
MMDadoda
4/1/2019 4:00:28 PM



#90
Hexachloroethane
Concen: 47.974 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	48.1	144.4





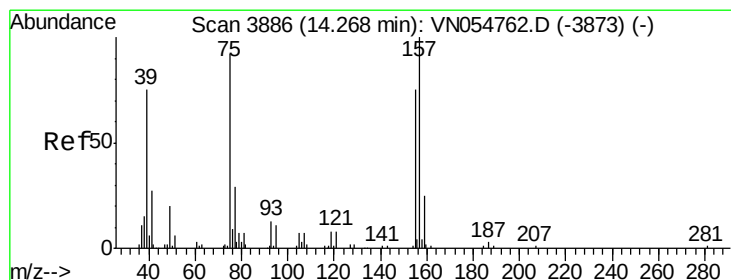
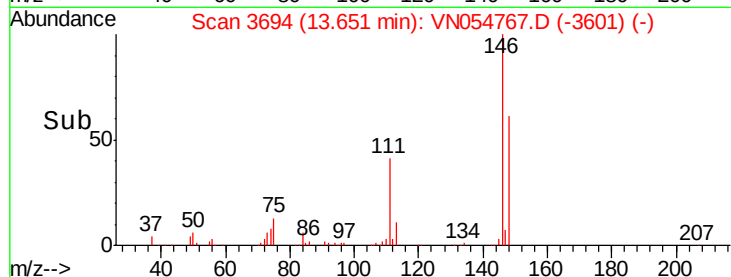
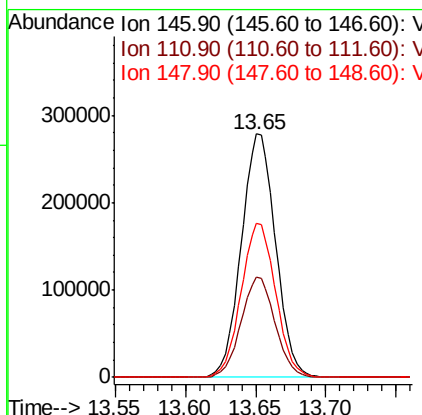
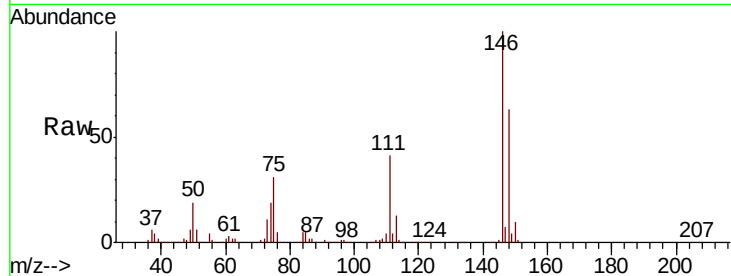
#91
 1,2-Dichlorobenzene
 Concen: 48.390 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	63.6	32.4	97.0

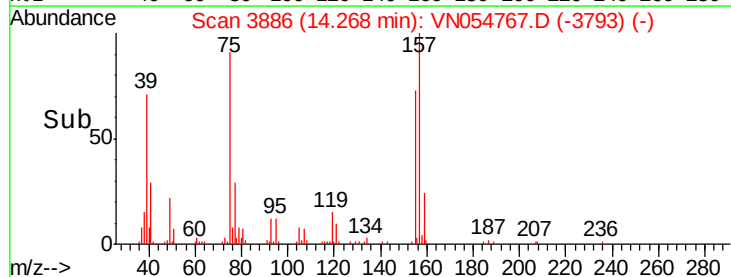
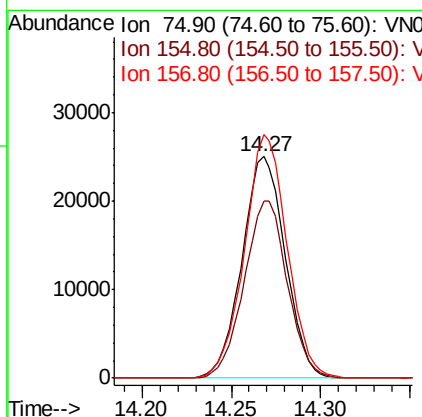
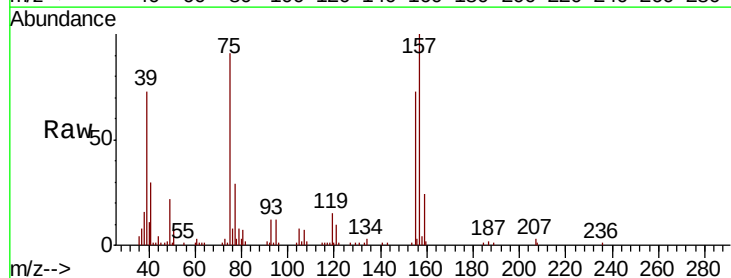
Manual Integrations
 APPROVED

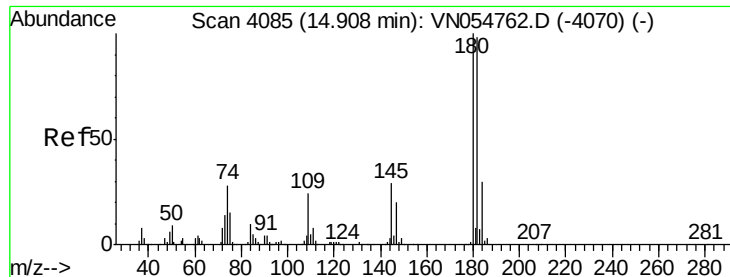
MMDadoda
 4/1/2019 4:00:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.368 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	50.1	150.3
157	108.6	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 53.261 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

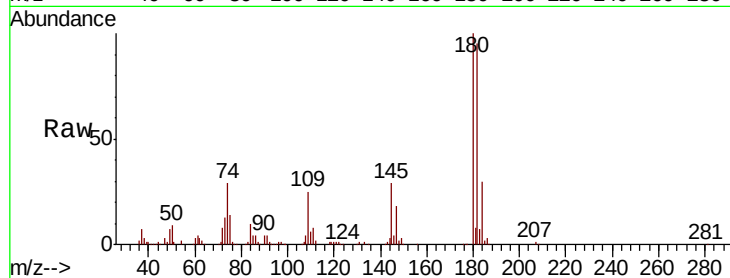
ClientSampleId :

ICVVN032919

Tot Ion:	180	Resp:	252063
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.0	144.2
145	29.3	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM

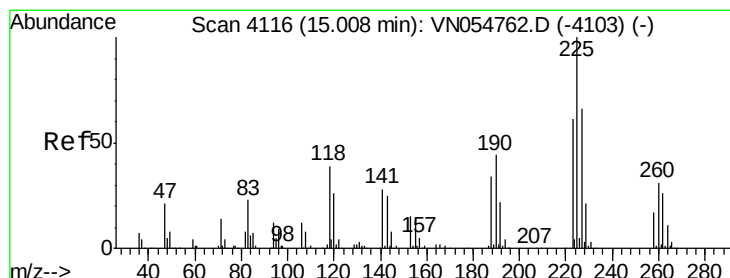
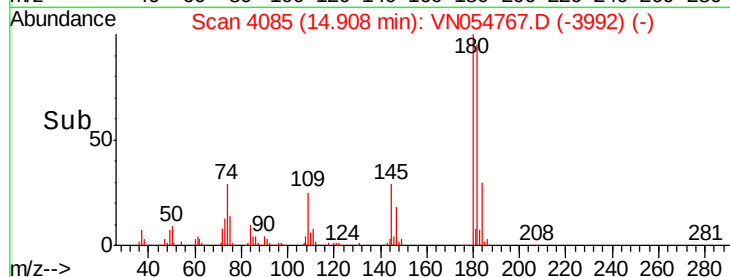
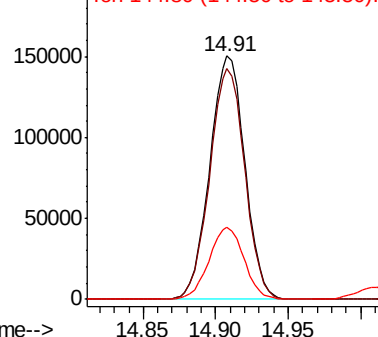


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 55.206 ug/l

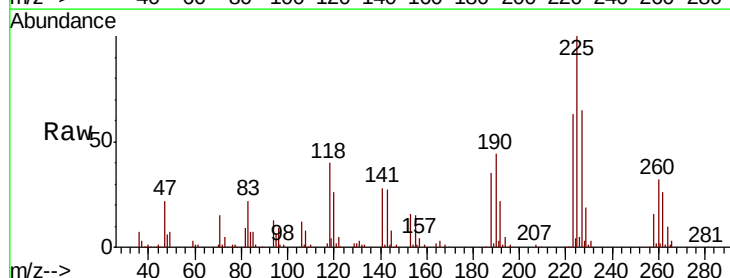
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Tgt Ion:	225	Resp:	154118
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.1	93.5
227	64.8	31.9	95.9

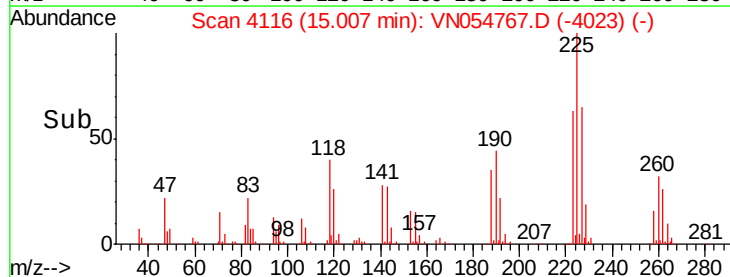
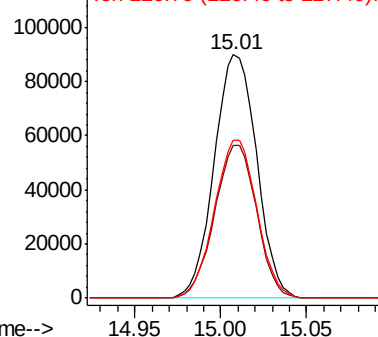


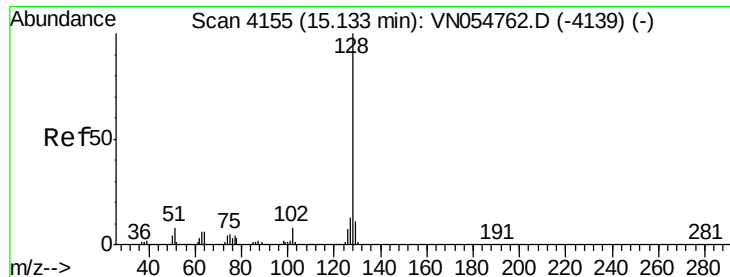
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





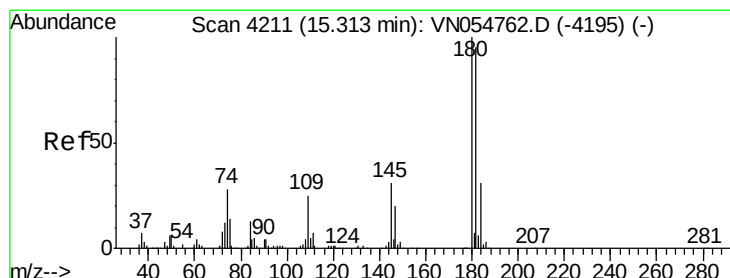
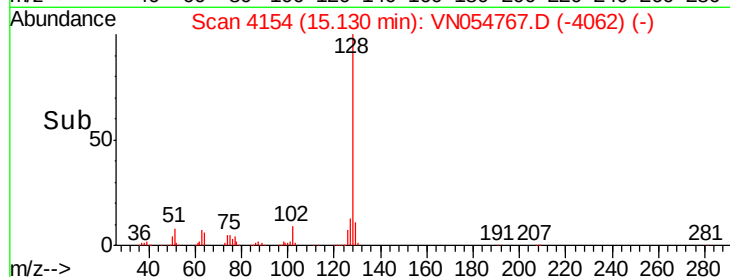
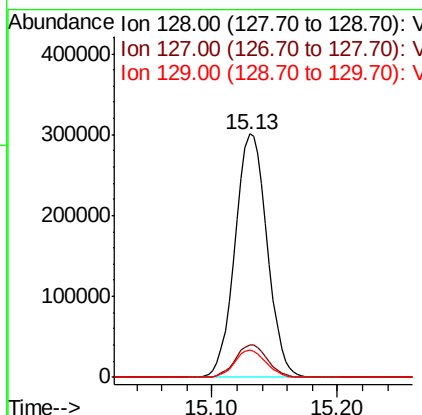
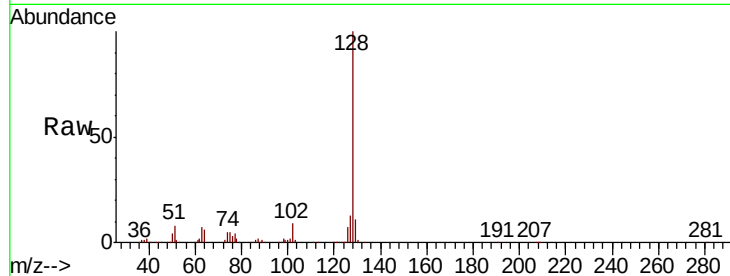
#95
Naphthalene
Concen: 50.277 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tot Ion	Ratio	Resp	Lower	Upper
128	100	533658		
127	13.4		10.1	15.1
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.439 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	245859		
182	93.3		47.5	142.6
145	30.8		14.8	44.3

