

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053468.D
 Acq On : 18 Jan 2019 13:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:48:06 AM

Quant Time: Jan 19 00:33:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	856717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1249252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1146703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	577356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	417220	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.59	113	367936	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.09	98	1543832	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.40	95	550935	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	338680	49.169	ug/l	100
3) Chloromethane	2.06	50	451227	45.818	ug/l	100
4) Vinyl Chloride	2.19	62	449128	47.311	ug/l	98
5) Bromomethane	2.57	94	304197	46.701	ug/l	99
6) Chloroethane	2.71	64	271791	47.354	ug/l	98
7) Trichlorofluoromethane	3.02	101	620210	49.948	ug/l	100
8) Diethyl Ether	3.41	74	236535	50.719	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	406628	51.708	ug/l	100
10) Methyl Iodide	3.96	142	579675	48.237	ug/l	100
11) Tert butyl alcohol	4.77	59	108312	261.404	ug/l	99
12) 1,1-Dichloroethene	3.74	96	372155	48.791	ug/l	97
13) Acrolein	3.61	56	178024	222.896	ug/l	99
14) Allyl chloride	4.33	41	585269	47.239	ug/l	95
15) Acrylonitrile	4.99	53	716028	262.583	ug/l	99
16) Acetone	3.81	43	548554	276.113	ug/l	99
17) Carbon Disulfide	4.06	76	1088406	47.187	ug/l	100
18) Methyl Acetate	4.33	43	340410	50.857	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1043207	51.474	ug/l	100
20) Methylene Chloride	4.55	84	437017	48.181	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	408923	50.146	ug/l	97
22) Diisopropyl ether	5.95	45	1319797	51.028	ug/l	100
23) Vinyl Acetate	5.90	43	4120408	259.160	ug/l	99
24) 1,1-Dichloroethane	5.85	63	762164	49.847	ug/l	100
25) 2-Butanone	6.83	43	822497	268.655	ug/l	100
26) 2,2-Dichloropropane	6.83	77	590256	51.130	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	470134	50.417	ug/l	99
28) Bromochloromethane	7.20	49	340180	50.503	ug/l	99
29) Tetrahydrofuran	7.21	42	522476	262.147	ug/l	99
30) Chloroform	7.37	83	756709	50.796	ug/l	100
31) Cyclohexane	7.66	56	717825	48.233	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	640434	50.679	ug/l	99
36) 1,1-Dichloropropene	7.80	75	597039	52.477	ug/l	99
37) Ethyl Acetate	6.93	43	354437	54.149	ug/l	100
38) Carbon Tetrachloride	7.78	117	559792	51.972	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053468.D
 Acq On : 18 Jan 2019 13:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:48:06 AM

Quant Time: Jan 19 00:33:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	746292	53.072	ug/l	99
40) Benzene	8.04	78	1782237	51.550	ug/l	100
41) Methacrylonitrile	7.17	41	184720	47.526	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	524063	52.031	ug/l	100
43) Isopropyl Acetate	8.16	43	636972	54.120	ug/l	99
44) Trichloroethene	8.84	130	493785	51.502	ug/l	100
45) 1,2-Dichloropropane	9.12	63	466306	50.922	ug/l	99
46) Dibromomethane	9.21	93	272090	51.716	ug/l	99
47) Bromodichloromethane	9.40	83	578139	52.253	ug/l	100
48) Methyl methacrylate	9.20	41	320509	52.741	ug/l	98
49) 1,4-Dioxane	9.20	88	62215	1048.286	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1783673	277.614	ug/l	100
52) Toluene	10.16	92	1114409	51.921	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	602219	53.699	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	692925	52.708	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	393958	53.238	ug/l	99
56) Ethyl methacrylate	10.43	69	519917	49.528	ug/l	100
57) 1,3-Dichloropropane	10.71	76	670438	52.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1376256	265.847	ug/l	100
59) 2-Hexanone	10.75	43	1268434	281.231	ug/l	100
60) Dibromochloromethane	10.90	129	446529	53.202	ug/l	99
61) 1,2-Dibromoethane	11.01	107	399075	53.324	ug/l	99
64) Tetrachloroethene	10.63	164	556114	51.461	ug/l	99
65) Chlorobenzene	11.43	112	1260547	51.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	442457	52.400	ug/l	99
67) Ethyl Benzene	11.51	91	2177290	52.636	ug/l	100
68) m/p-Xylenes	11.62	106	1671635	107.035	ug/l	100
69) o-Xylene	11.95	106	807697	53.224	ug/l	99
70) Styrene	11.96	104	1339269	54.377	ug/l	100
71) Bromoform	12.13	173	318309	54.757	ug/l	98
73) Isopropylbenzene	12.25	105	2182628	51.623	ug/l	100
74) N-amyl acetate	12.07	43	595847	52.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	459132	51.778	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	402821m	52.944	ug/l	
77) Bromobenzene	12.53	156	563305	50.562	ug/l	99
78) n-propylbenzene	12.59	91	2548162	52.504	ug/l	99
79) 2-Chlorotoluene	12.68	91	1462245	50.830	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1785481	51.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141785	47.305	ug/l	99
82) 4-Chlorotoluene	12.77	91	1517100	51.714	ug/l	99
83) tert-Butylbenzene	12.99	119	1589677	52.321	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1800158	51.899	ug/l	99
85) sec-Butylbenzene	13.17	105	2206830	52.961	ug/l	100
86) p-Isopropyltoluene	13.29	119	1935389	53.493	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1020490	52.073	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1008242	51.289	ug/l	99
89) n-Butylbenzene	13.62	91	1670205	54.156	ug/l	100
90) Hexachloroethane	13.88	117	297429	52.417	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	948036	52.582	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61920	55.072	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
Data File : VN053468.D
Acq On : 18 Jan 2019 13:12
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:48:06 AM

Quant Time: Jan 19 00:33:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	413307	51.847	ug/l	99
94) Hexachlorobutadiene	15.01	225	310506	55.208	ug/l	100
95) Naphthalene	15.13	128	684377	49.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	305562	52.299	ug/l	99

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

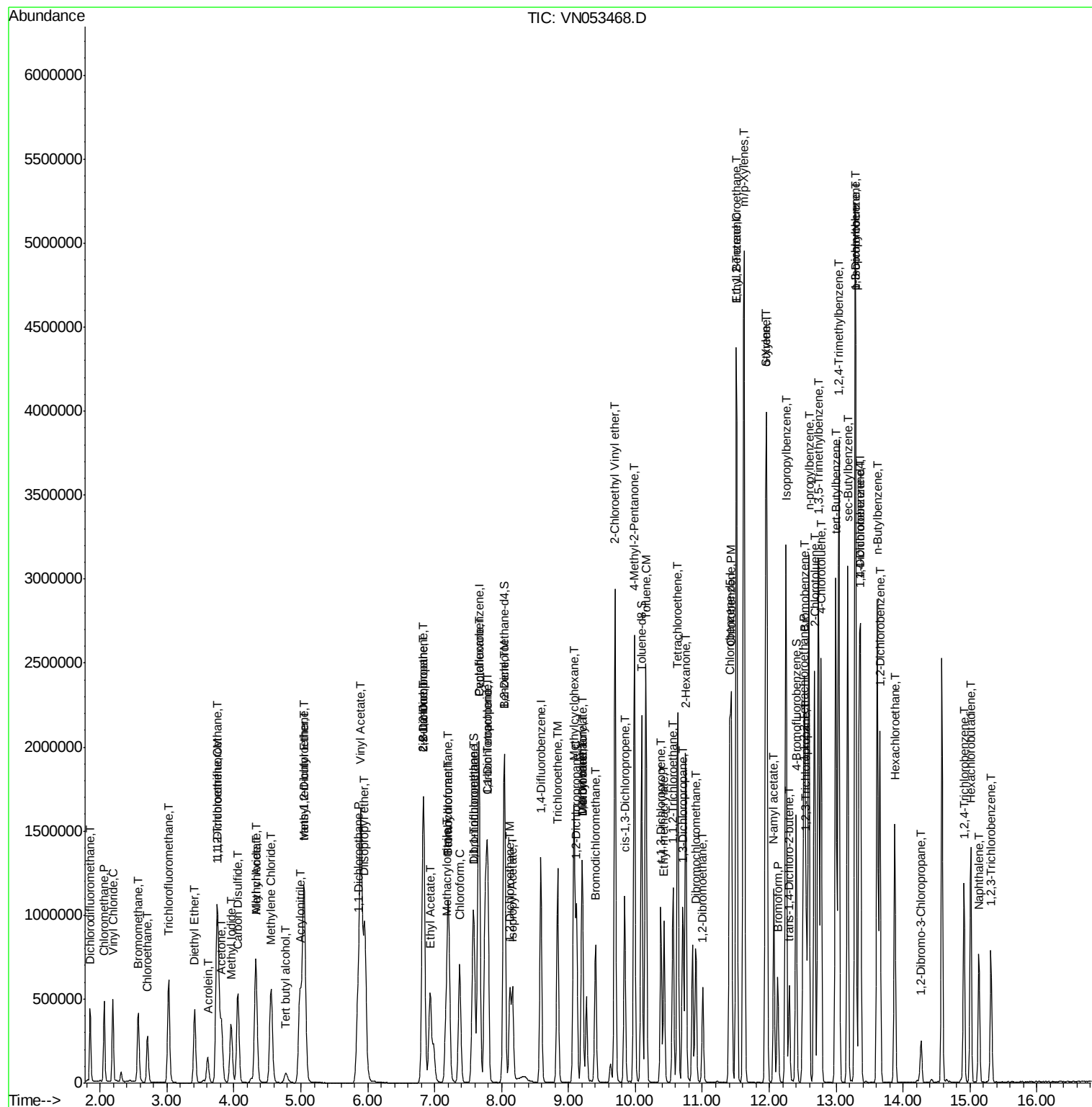
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053468.D
 Acq On : 18 Jan 2019 13:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

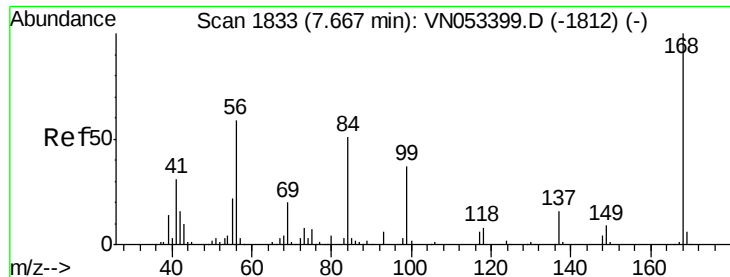
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:48:06 AM

Quant Time: Jan 19 00:33:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 856717

Ion Ratio Lower Upper

168 100

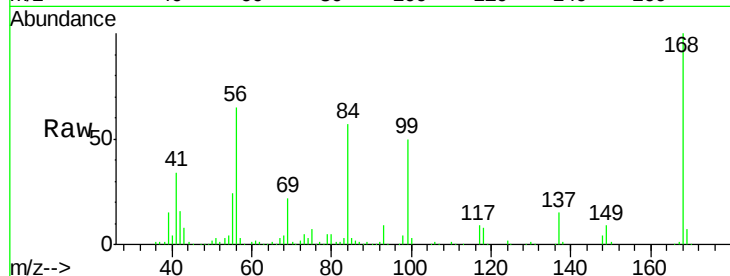
99 50.0 39.1 58.7

Manual Integrations

APPROVED

MMDadoda

1/21/2019 10:48:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

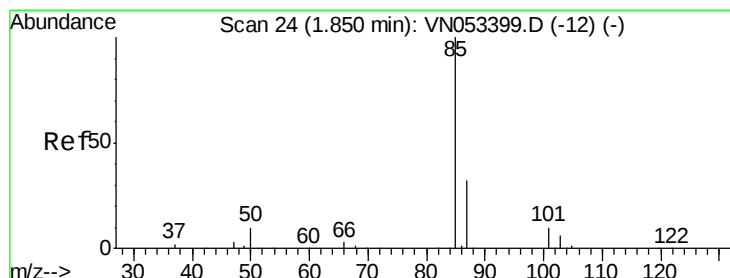
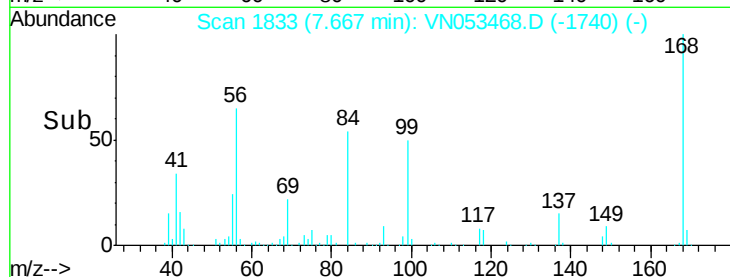
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.169 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053468.D

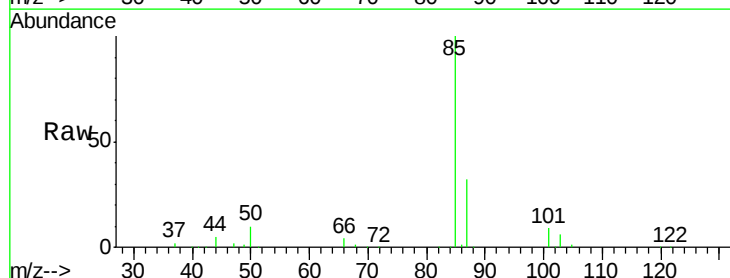
Acq: 18 Jan 2019 13:12

Tgt Ion: 85 Resp: 338680

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

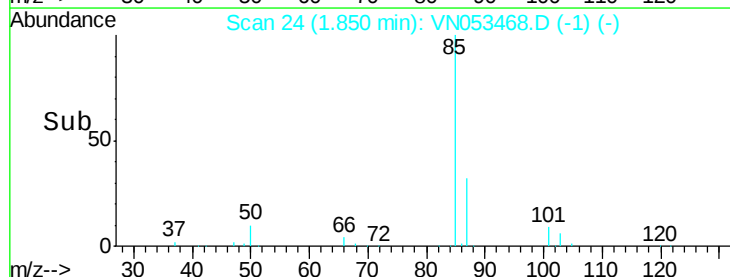
150000

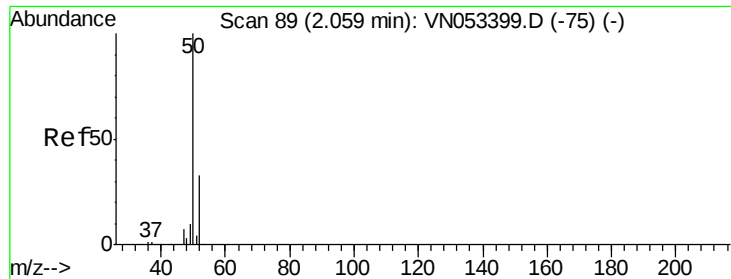
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.818 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 451227

Ion Ratio Lower Upper

50 100

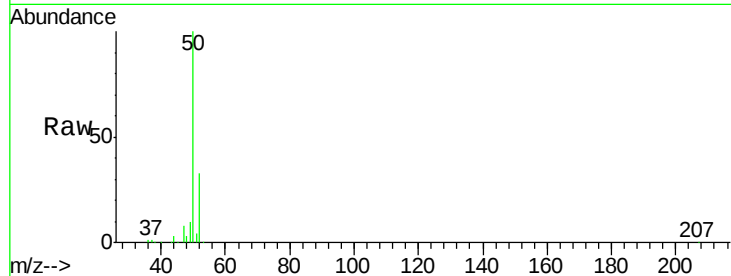
52 33.4 26.6 40.0

Manual Integrations

APPROVED

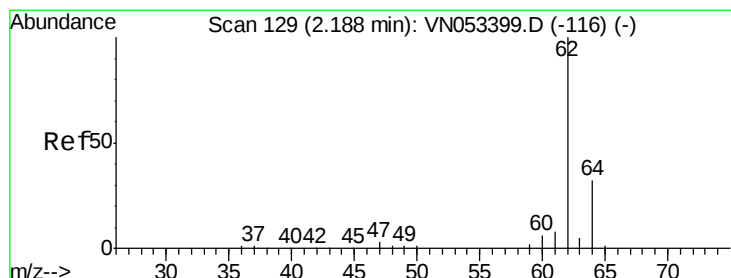
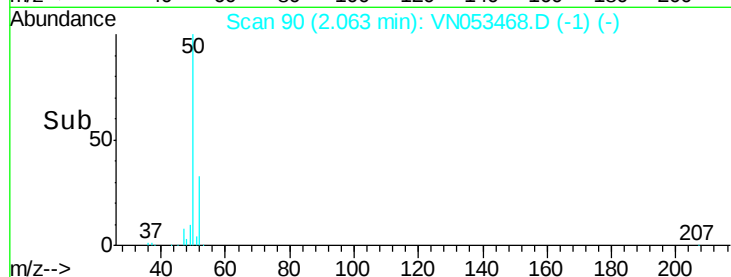
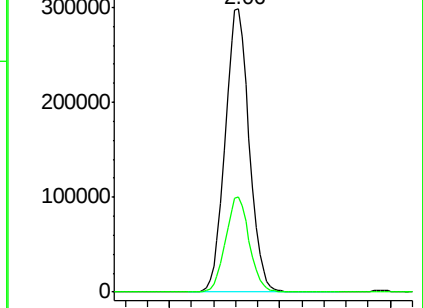
MMDadoda

1/21/2019 10:48:06 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 47.311 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053468.D

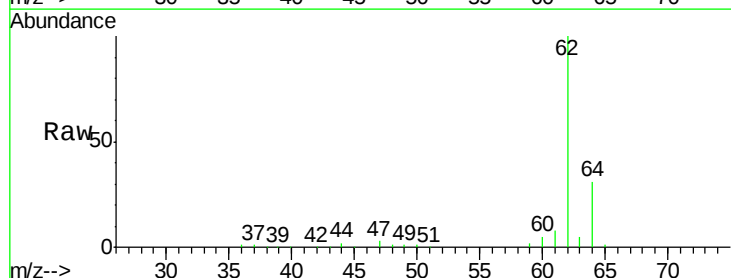
Acq: 18 Jan 2019 13:12

Tgt Ion: 62 Resp: 449128

Ion Ratio Lower Upper

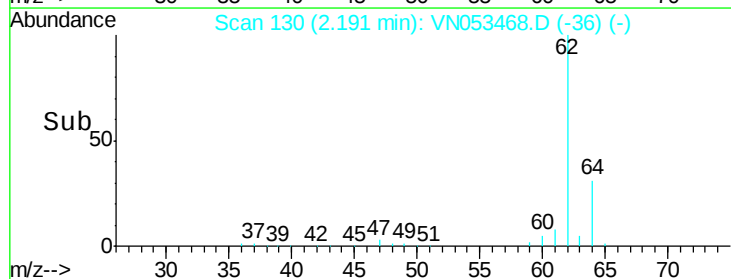
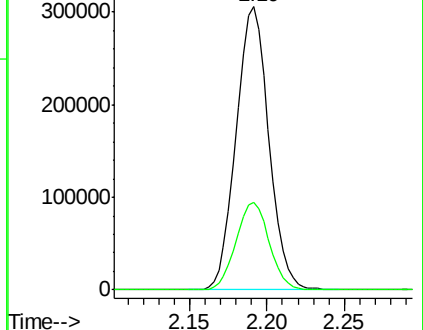
62 100

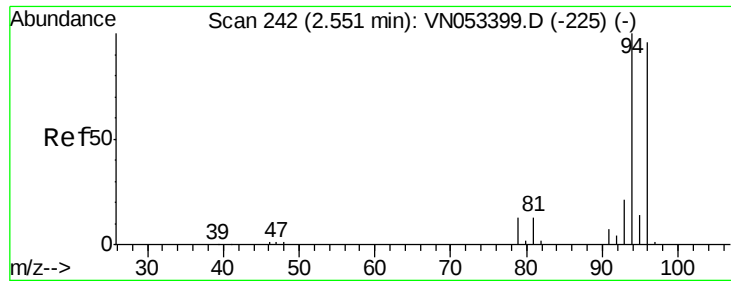
64 30.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 46.701 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 304197

Ion Ratio Lower Upper

94 100

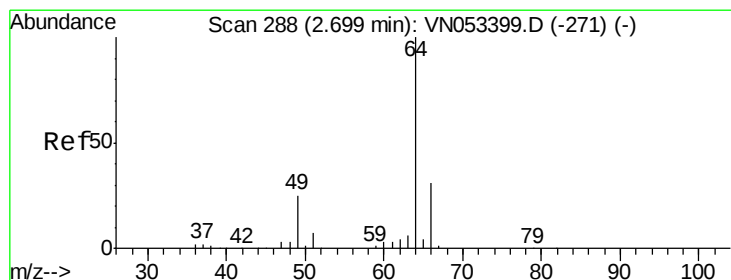
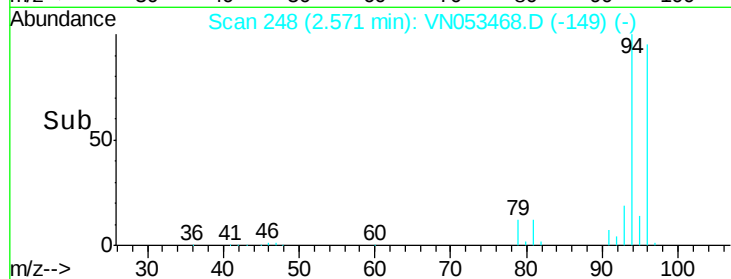
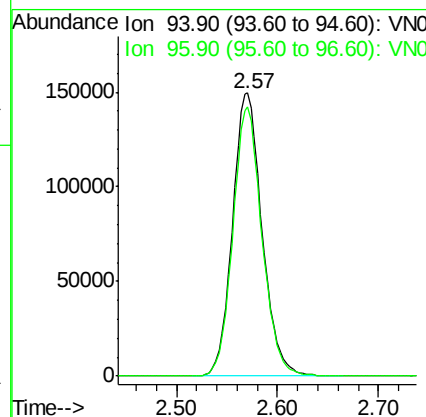
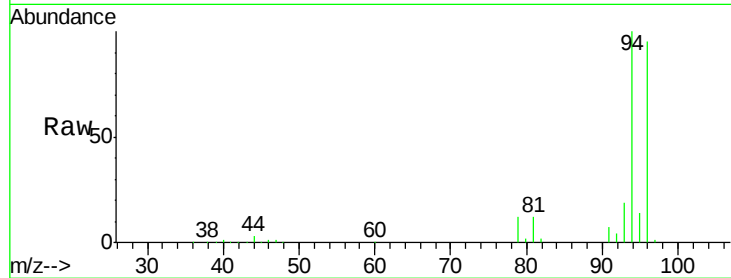
96 95.0 76.8 115.2

Manual Integrations

APPROVED

MMDadoda

1/21/2019 10:48:06 AM



#6

Chloroethane

Concen: 47.354 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053468.D

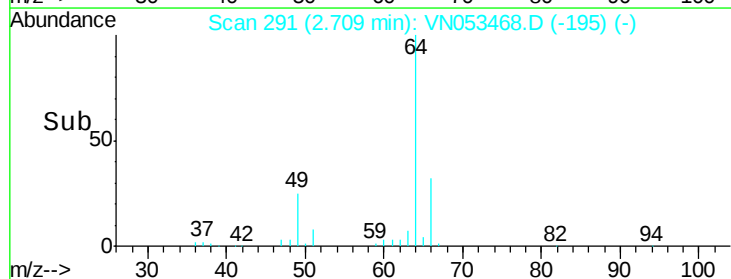
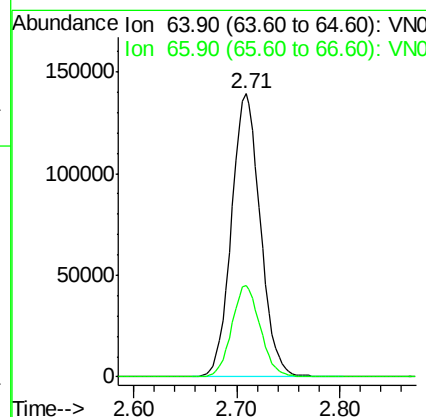
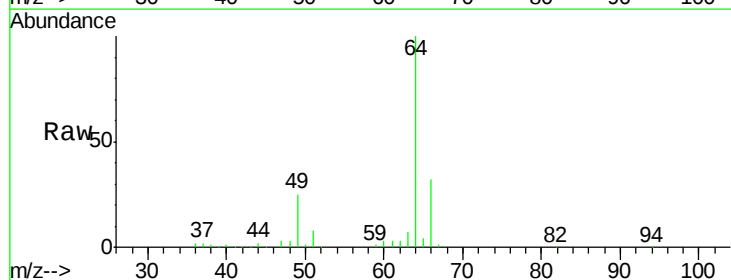
Acq: 18 Jan 2019 13:12

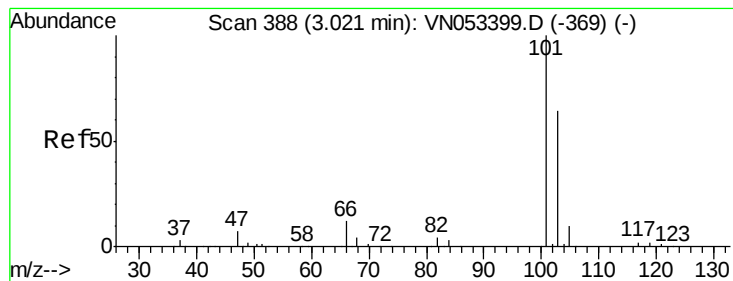
Tgt Ion: 64 Resp: 271791

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





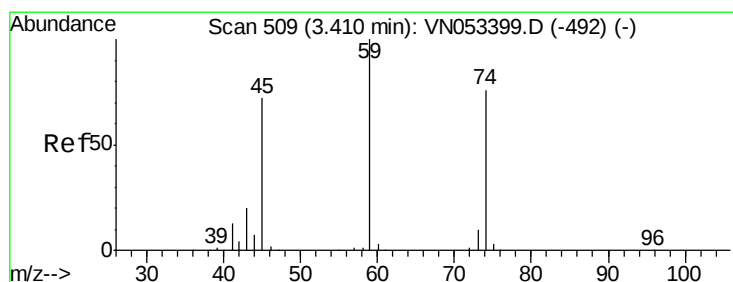
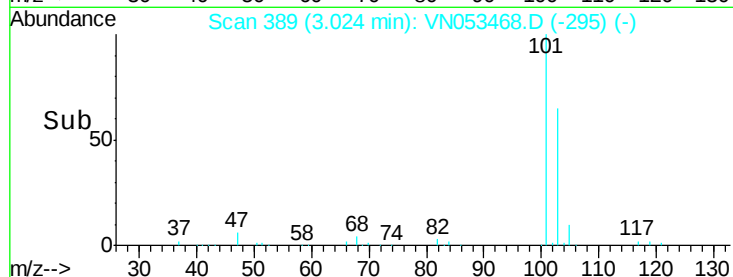
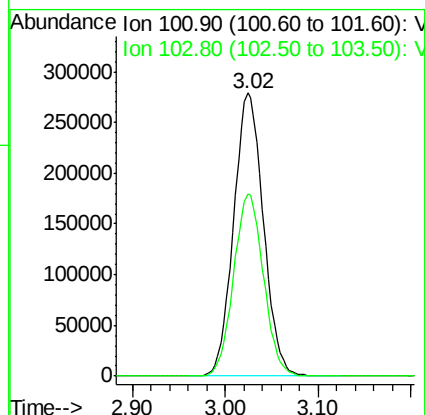
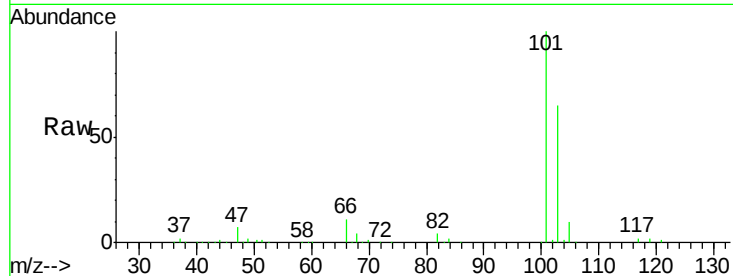
#7
 Trichlorofluoromethane
 Concen: 49.948 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 620210
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4

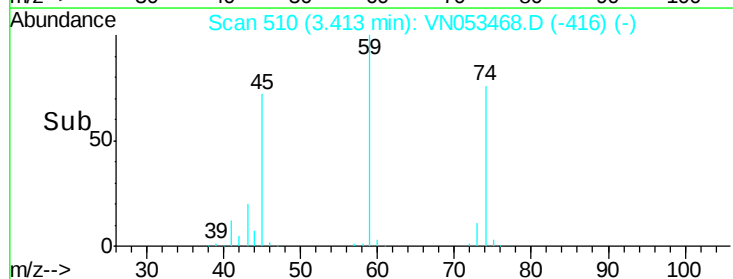
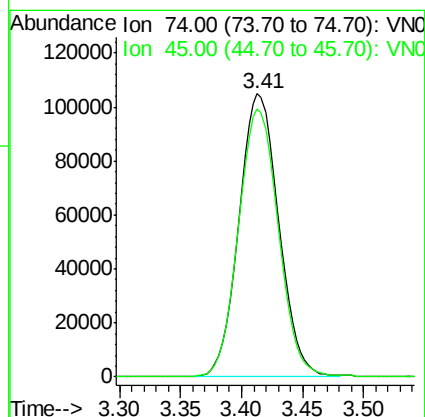
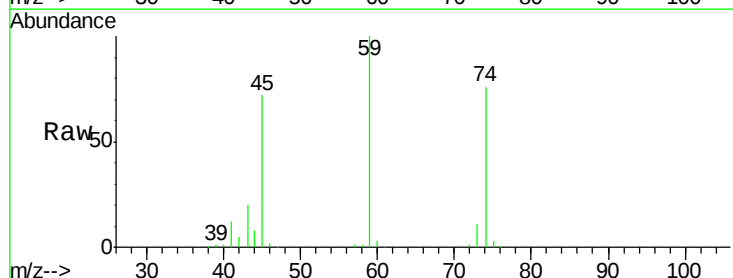
Manual Integrations
 APPROVED

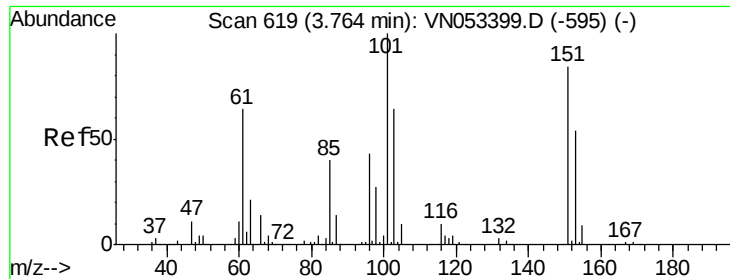
MMDadoda
 1/21/2019 10:48:06 AM



#8
 Diethyl Ether
 Concen: 50.719 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 74 Resp: 236535
 Ion Ratio Lower Upper
 74 100
 45 95.5 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.708 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

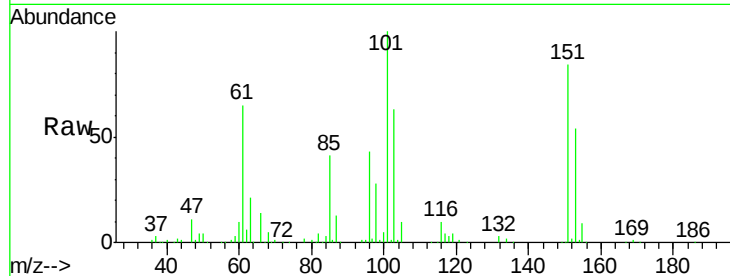
ClientSampleId :

VSTDCCC050

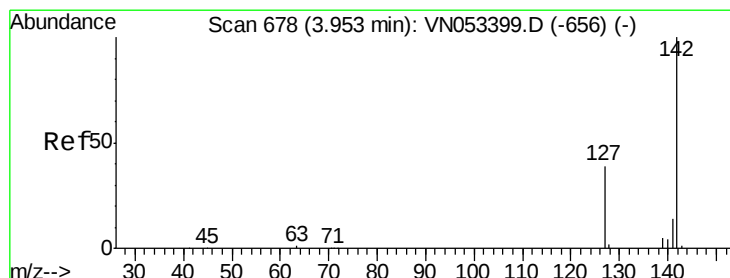
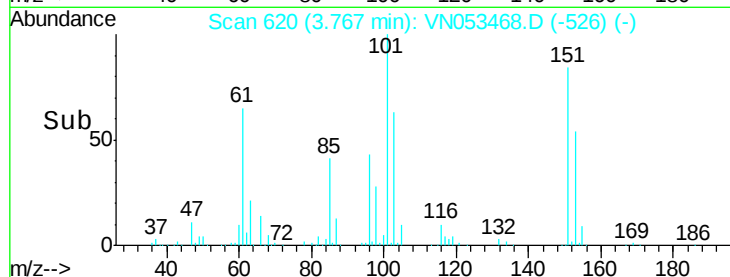
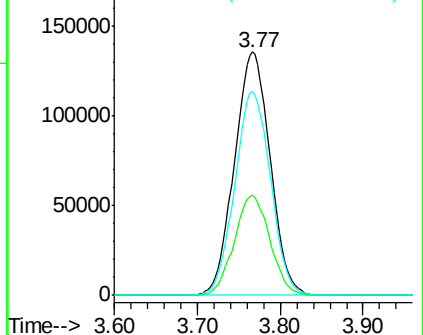
Tot Ion:	101	Resp:	406628
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.8	49.2
151	84.0	66.9	100.3

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:48:06 AM



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



#10

Methyl Iodide

Concen: 48.237 ug/l

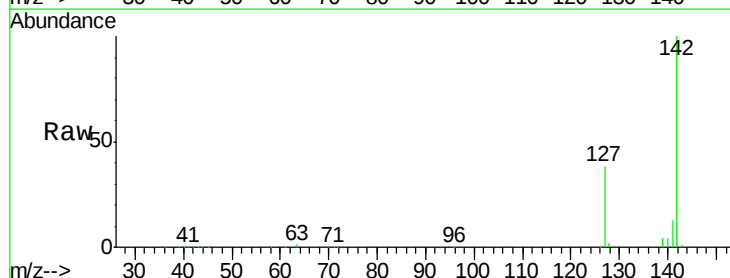
RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

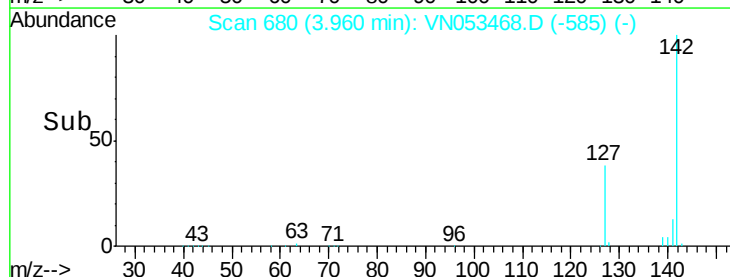
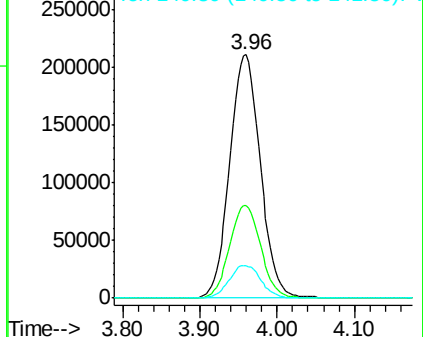
Lab File: VN053468.D

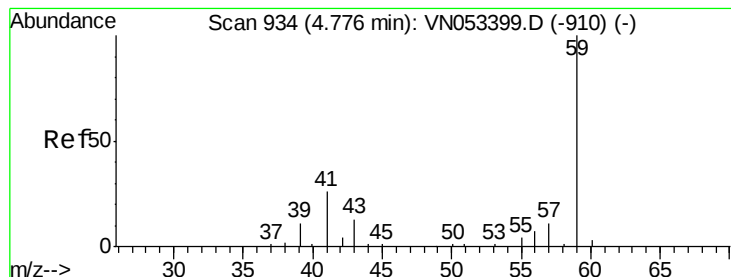
Acq: 18 Jan 2019 13:12

Tgt Ion:	142	Resp:	579675
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.4
141	13.9	11.1	16.7



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





#11

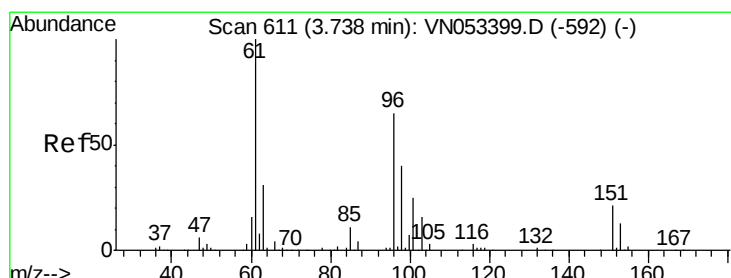
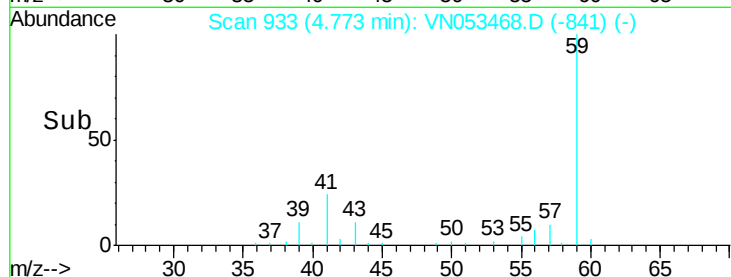
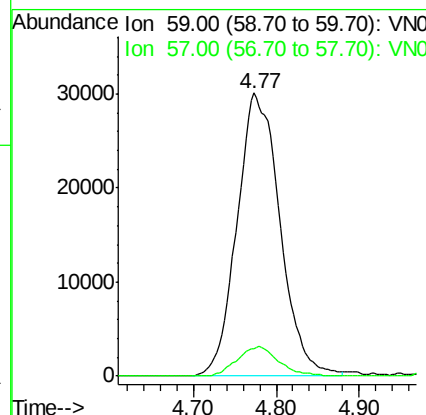
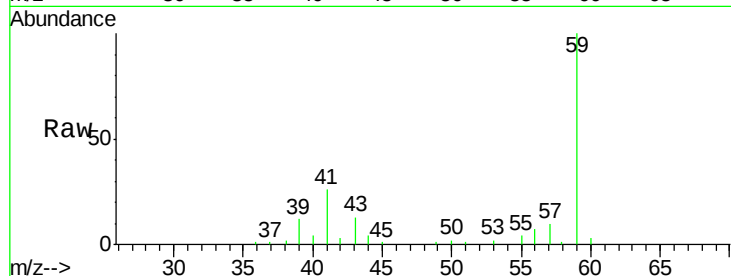
Tert butyl alcohol
 Concen: 261.404 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	57	Ratio	100	10.1	Resp	108312	Lower	8.2	Upper	12.4
Ion	59	57	Ratio	100	10.1	Resp	108312	Lower	8.2	Upper	12.4

Manual Integrations
 APPROVED

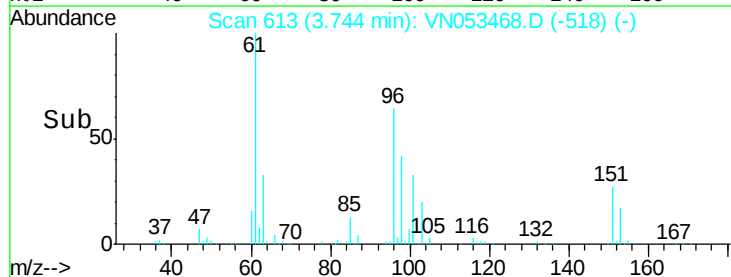
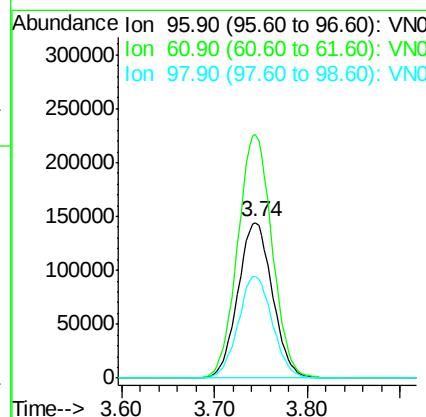
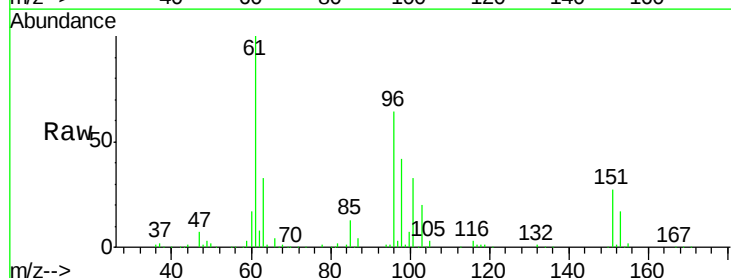
MMDadoda
 1/21/2019 10:48:06 AM

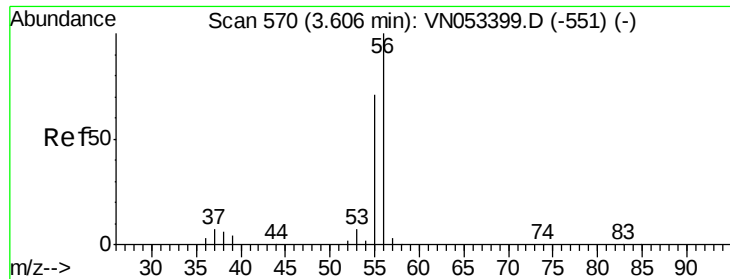


#12

1,1-Dichloroethene
 Concen: 48.791 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion	96	61	98	Ratio	100	156.4	65.1	Resp	372155	Lower	122.9	49.4	Upper	184.3	74.0
Ion	96	61	98	Ratio	100	156.4	65.1	Resp	372155	Lower	122.9	49.4	Upper	184.3	74.0





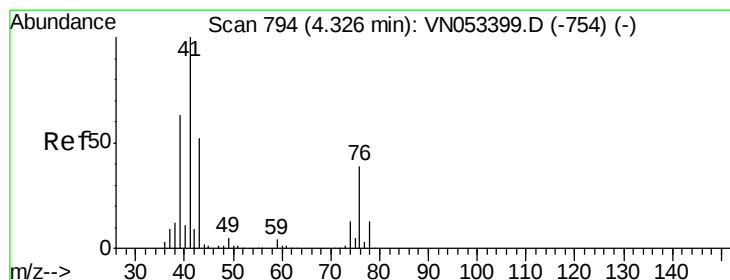
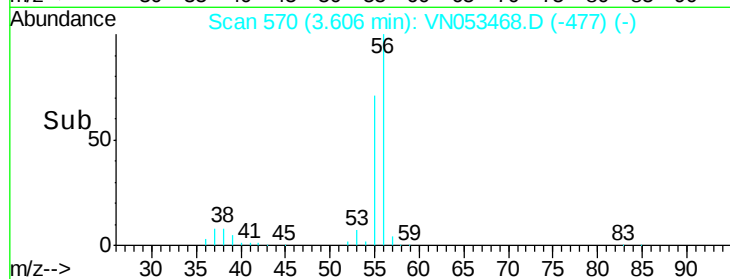
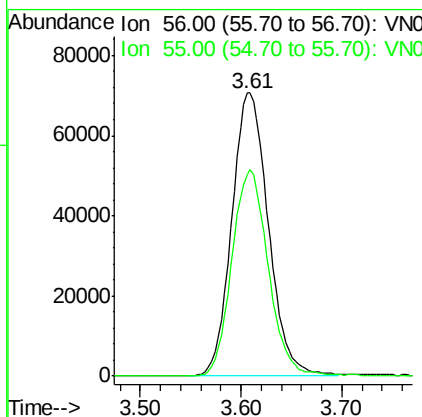
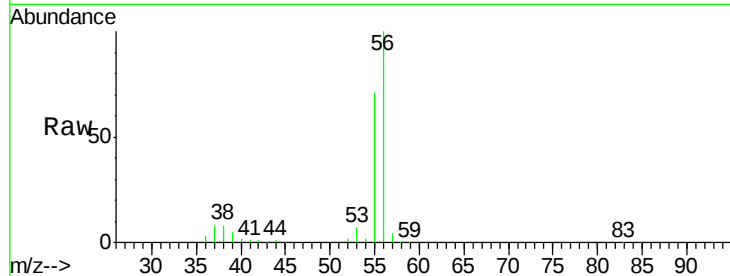
#13
Acrolein
Concen: 222.896 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	178024
Ion Ratio	100	Lower	Upper
55	72.4	57.4	86.0

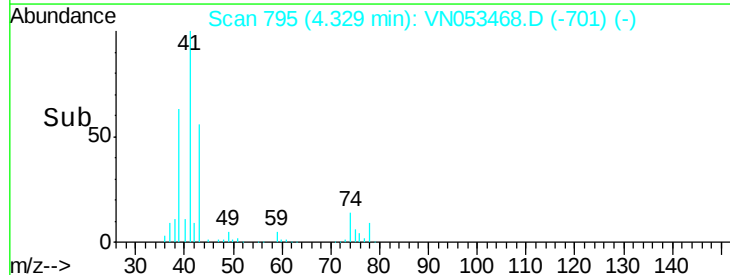
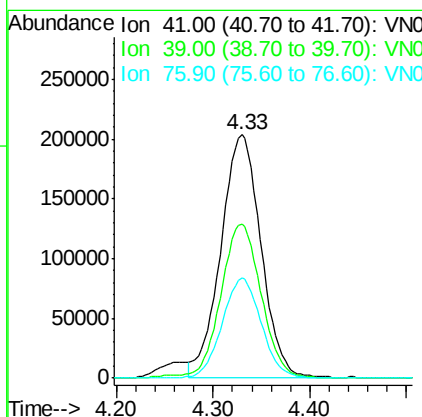
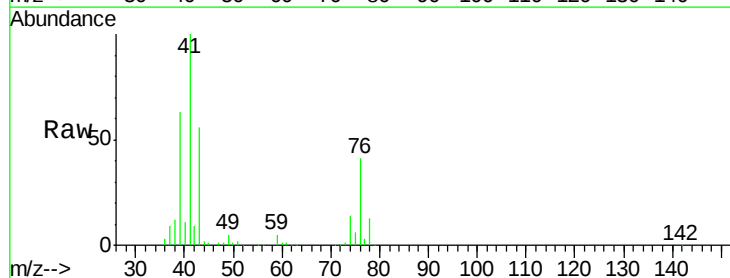
Manual Integrations
APPROVED

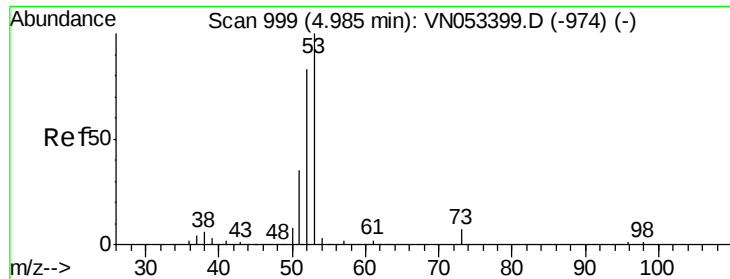
MMDadoda
1/21/2019 10:48:06 AM



#14
Allyl chloride
Concen: 47.239 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	41	Resp	585269
Ion Ratio	100	Lower	Upper
39	64.7	48.9	73.3
76	39.7	29.4	44.2





#15

Acrylonitrile

Concen: 262.583 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

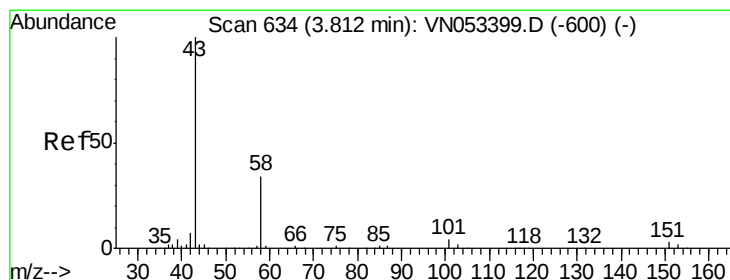
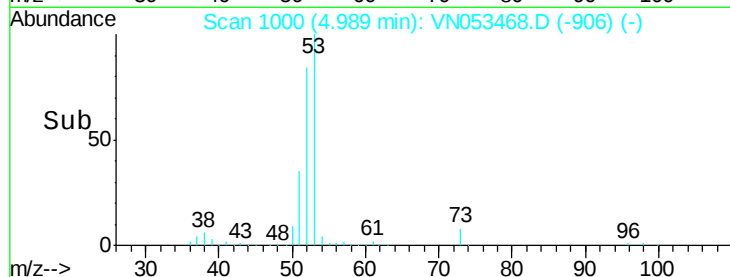
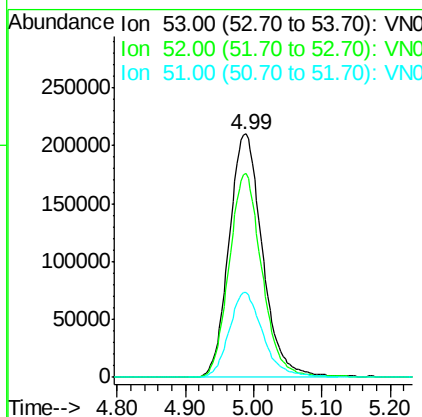
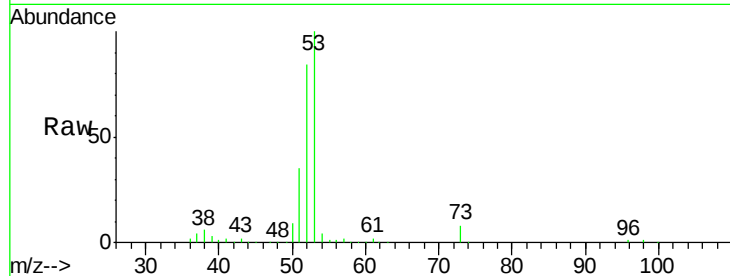
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	716028
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.0	99.0
51	35.3	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:48:06 AM



#16

Acetone

Concen: 276.113 ug/l

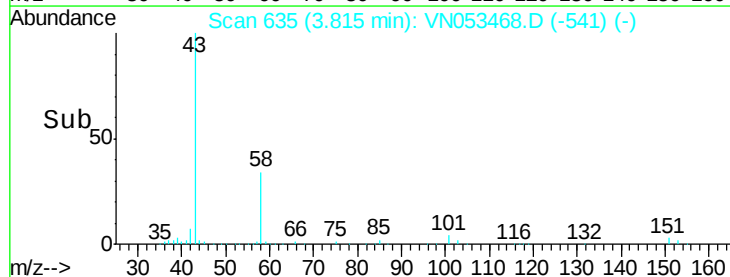
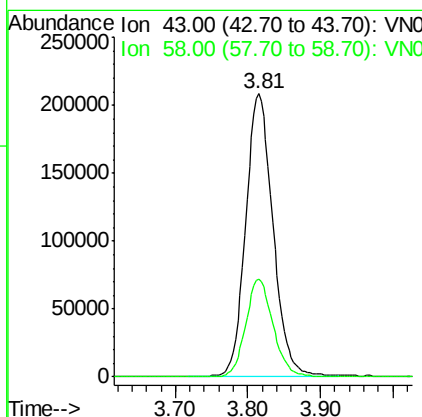
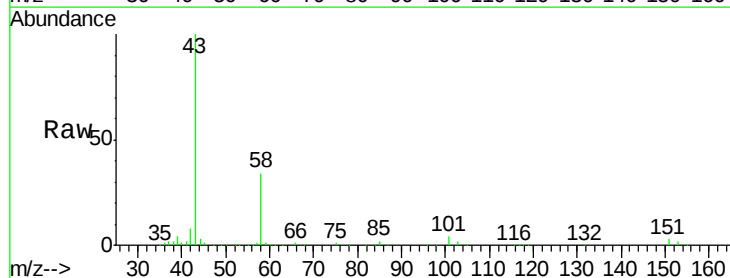
RT: 3.81 min Scan# 635

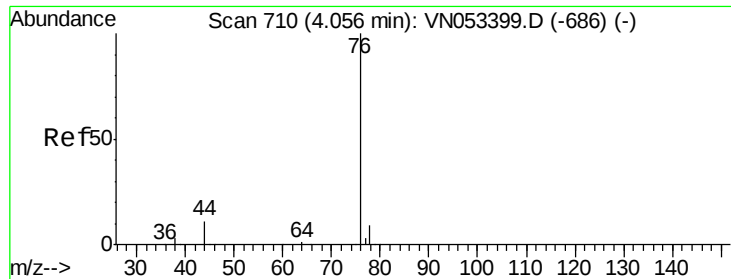
Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion:	43	Resp:	548554
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.1	40.7





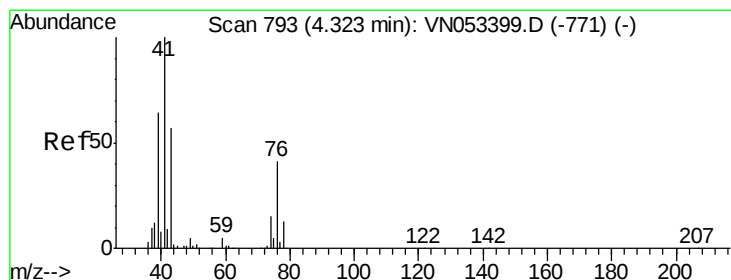
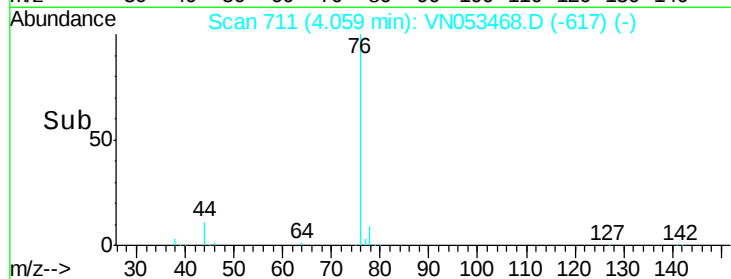
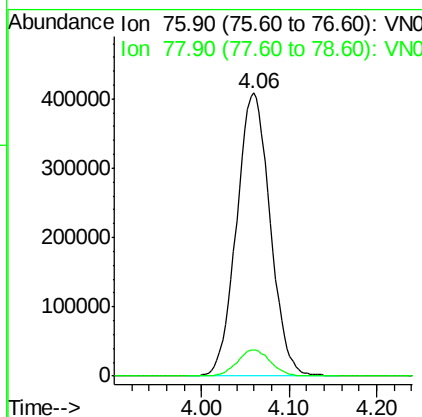
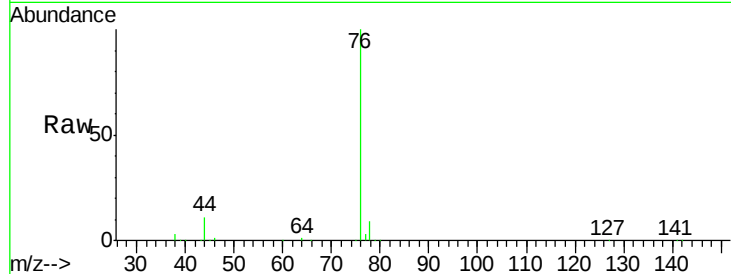
#17
Carbon Disulfide
Concen: 47.187 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1088406
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

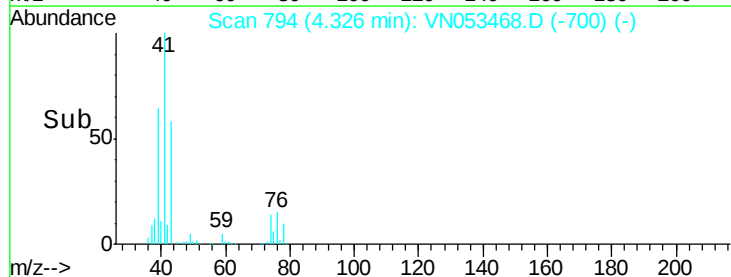
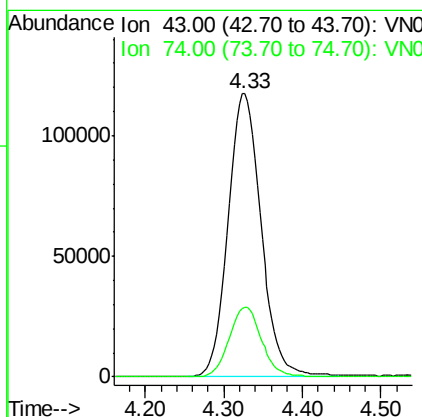
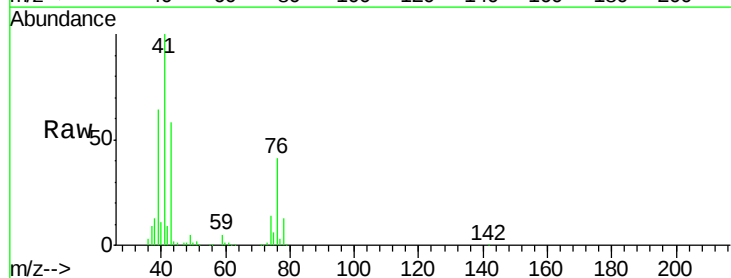
Manual Integrations
APPROVED

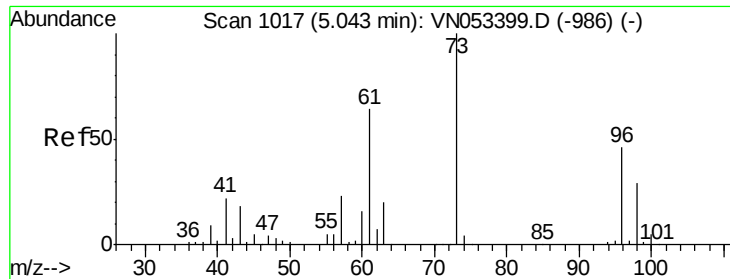
MMDadoda
1/21/2019 10:48:06 AM



#18
Methyl Acetate
Concen: 50.857 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 43 Resp: 340410
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.2





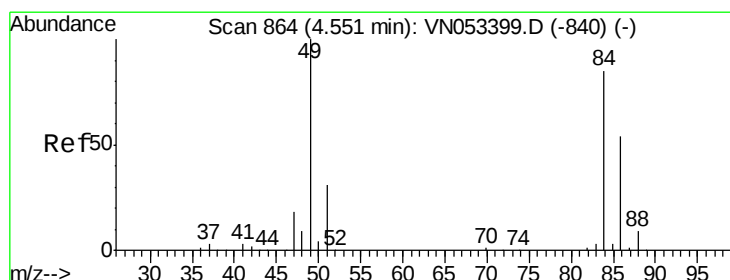
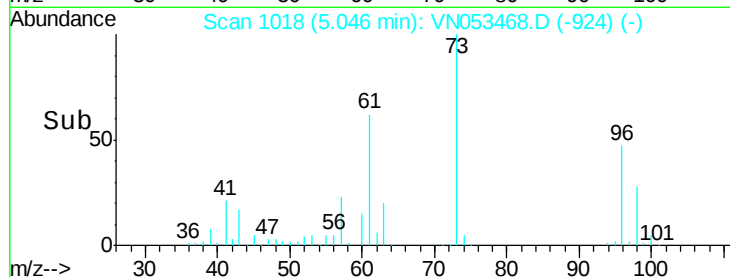
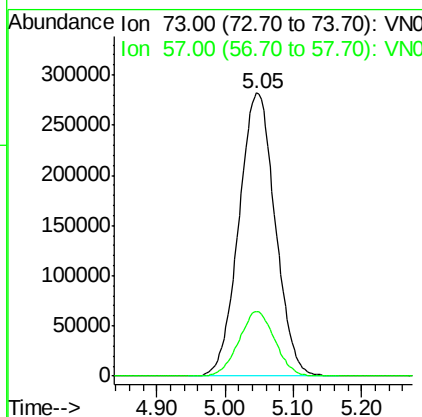
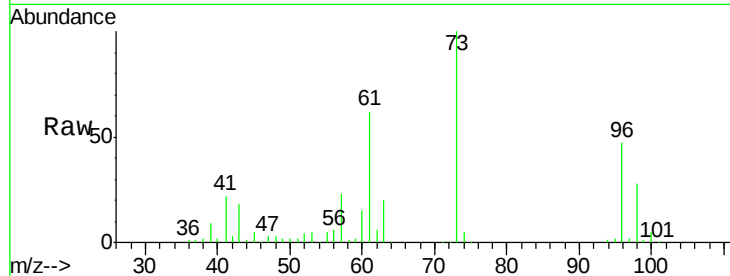
#19
Methvl tert-butvl Ether
Concen: 51.474 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1043207
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5

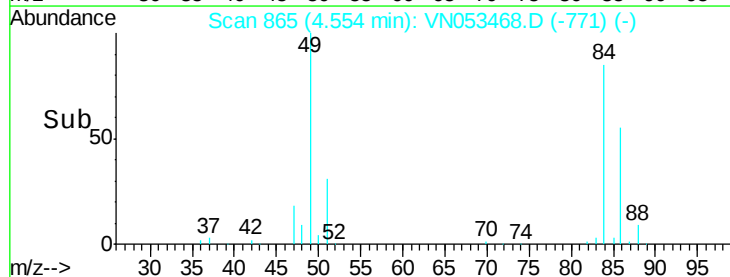
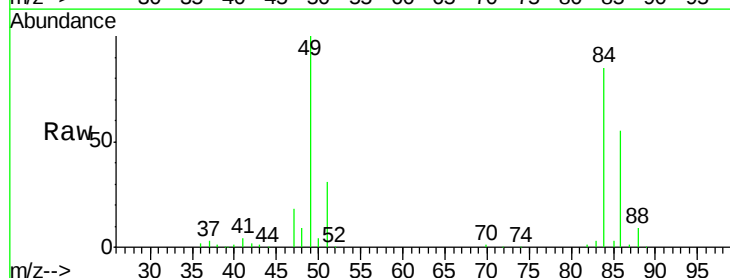
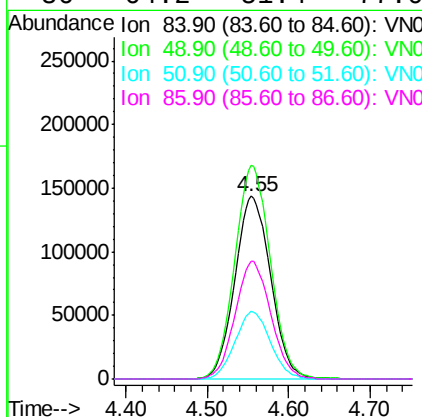
Manual Integrations
APPROVED

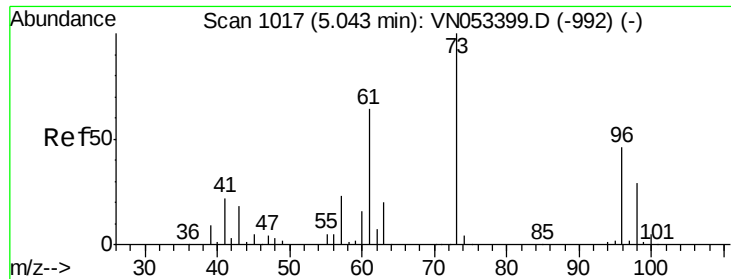
MMDadoda
1/21/2019 10:48:06 AM



#20
Methylene Chloride
Concen: 48.181 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 84 Resp: 437017
Ion Ratio Lower Upper
84 100
49 117.0 94.3 141.5
51 36.9 29.4 44.2
86 64.2 51.4 77.0





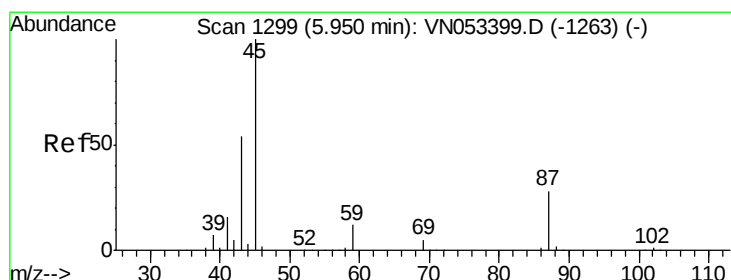
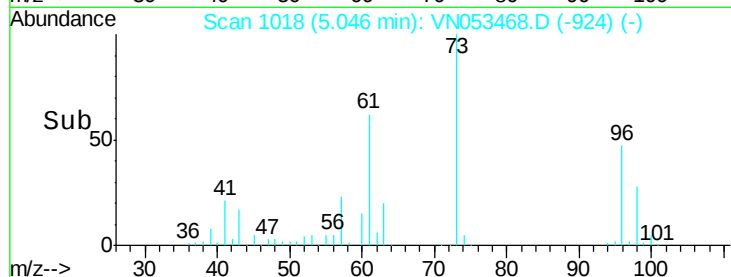
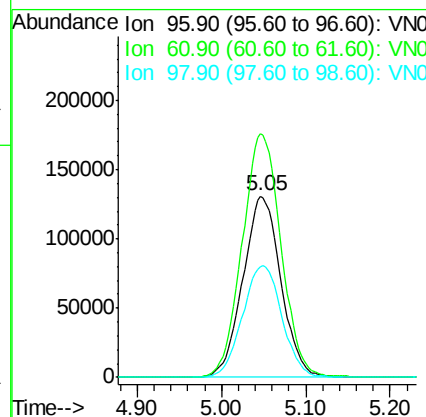
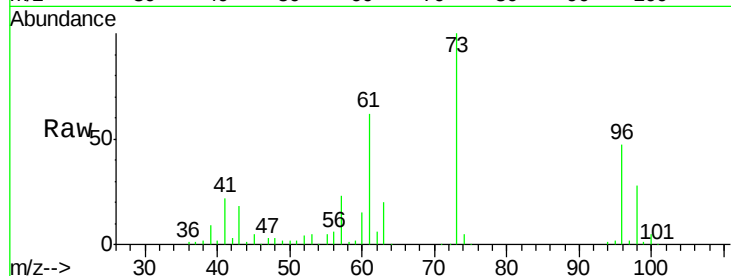
#21
trans-1,2-Dichloroethene
Concen: 50.146 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	110.1	165.1
98	60.9	50.0	75.0

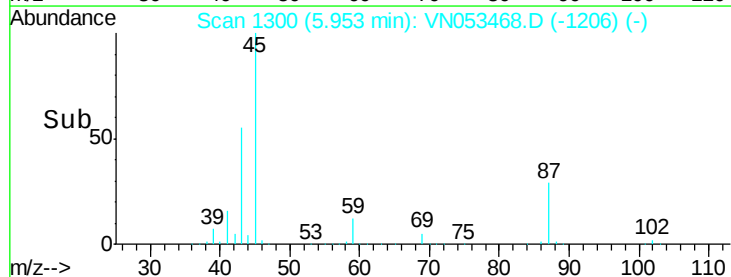
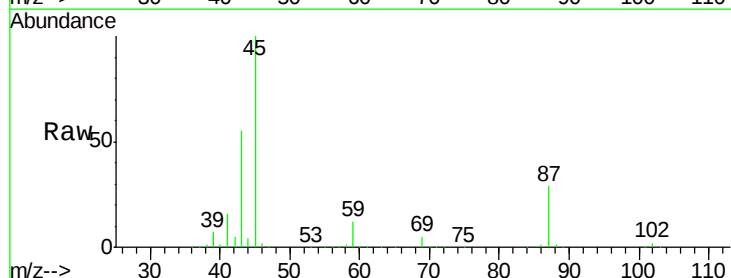
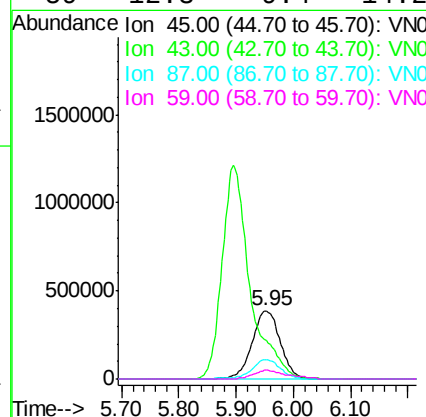
Manual Integrations
APPROVED

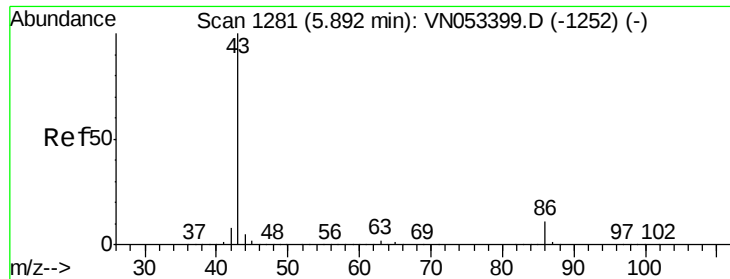
MMDadoda
1/21/2019 10:48:06 AM



#22
Diisopropyl ether
Concen: 51.028 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	44.2	66.4
87	28.6	22.7	34.1
59	12.3	9.4	14.2





#23

Vinyl Acetate

Concen: 259.160 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4120408

Ion Ratio Lower Upper

43 100

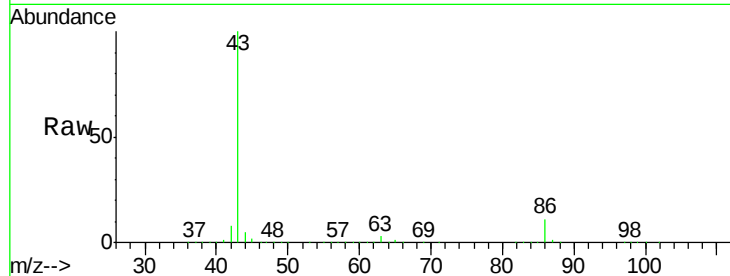
86 10.8 8.4 12.6

Manual Integrations

APPROVED

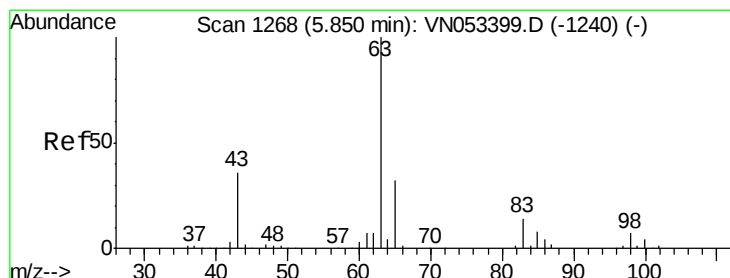
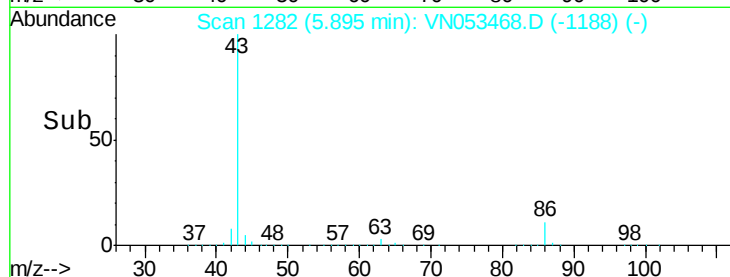
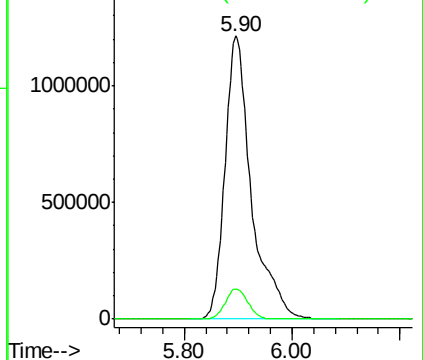
MMDadoda

1/21/2019 10:48:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.847 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

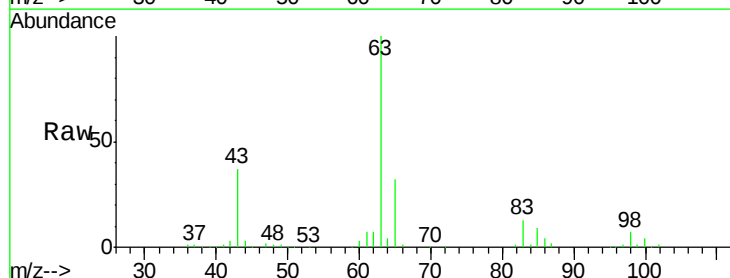
Tgt Ion: 63 Resp: 762164

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

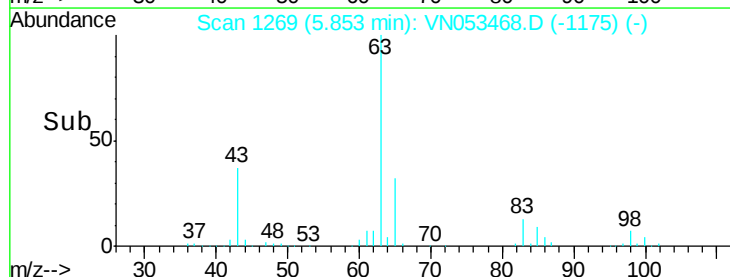
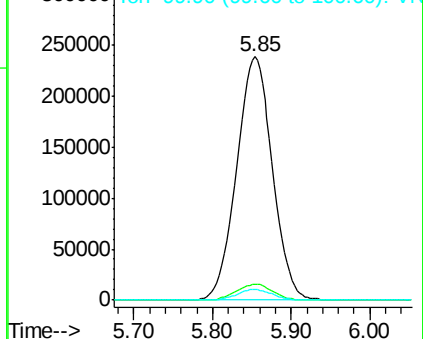
100 4.4 2.1 6.5

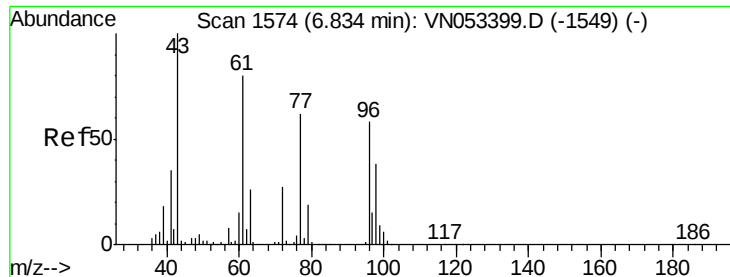


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





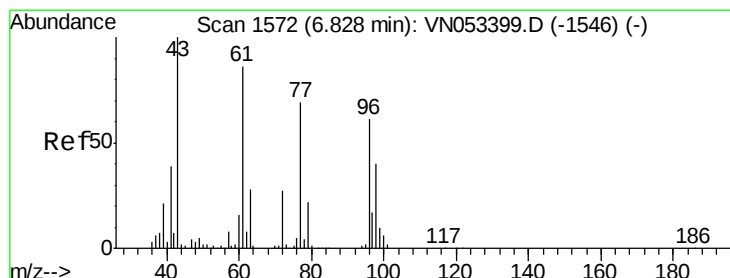
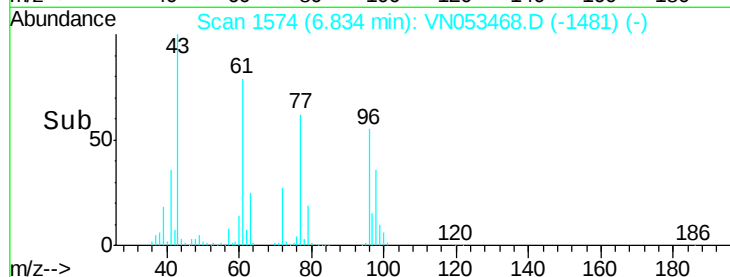
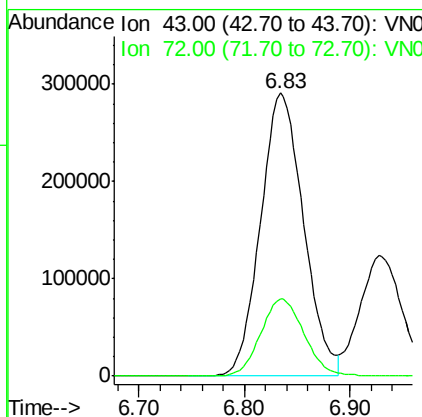
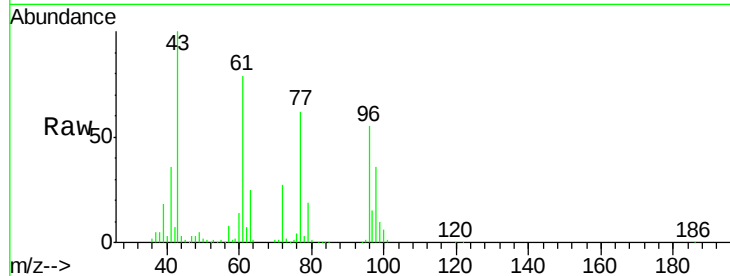
#25
 2-Butanone
 Concen: 268.655 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 822497
 Ion Ratio Lower Upper
 43 100
 72 27.4 22.0 33.0

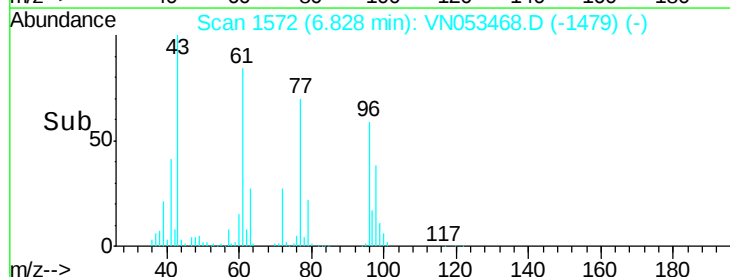
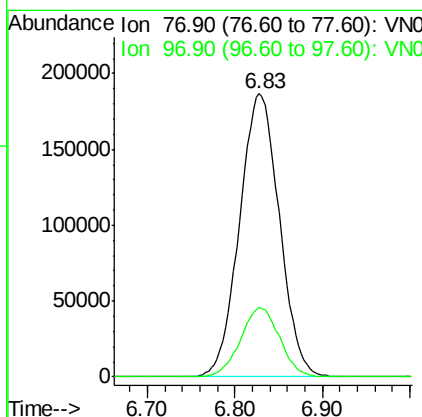
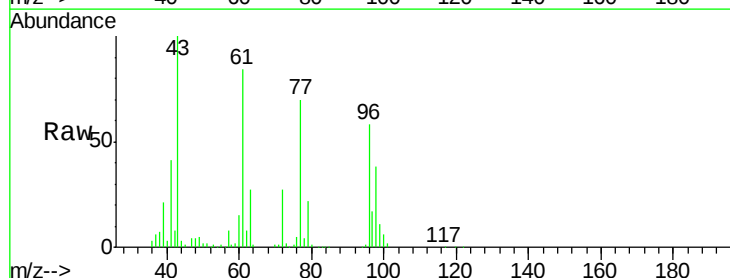
Manual Integrations
 APPROVED

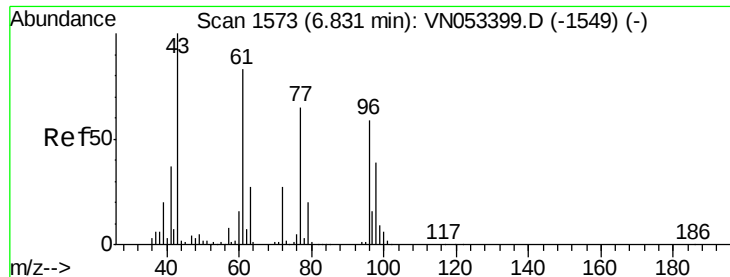
MMDadoda
 1/21/2019 10:48:06 AM



#26
 2,2-Dichloropropane
 Concen: 51.130 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 77 Resp: 590256
 Ion Ratio Lower Upper
 77 100
 97 24.1 12.2 36.6





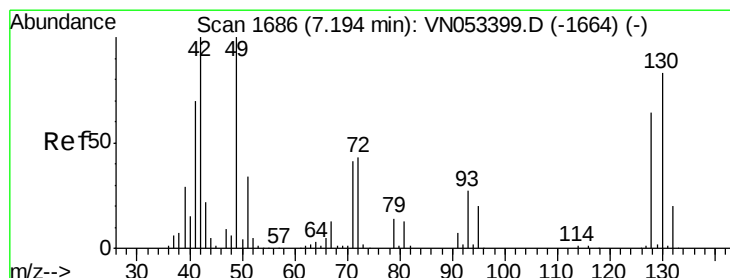
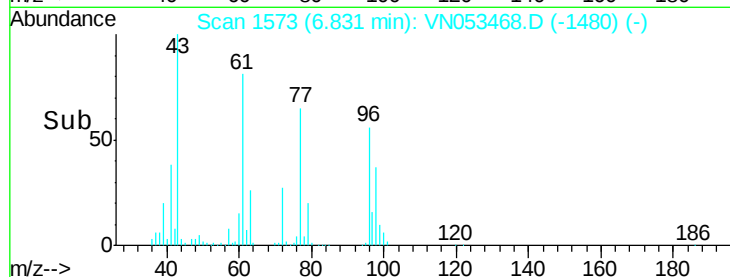
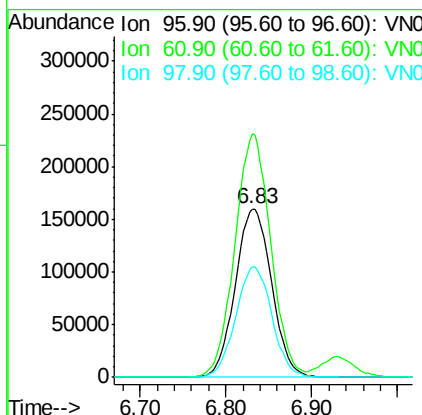
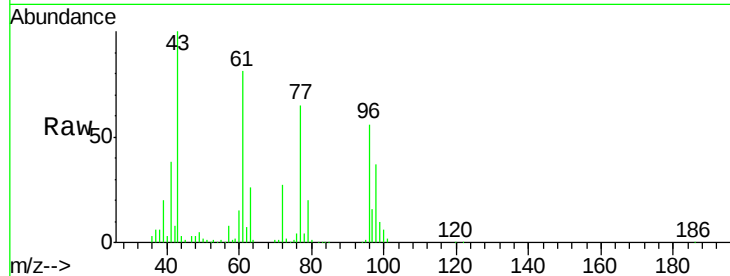
#27
 cis-1,2-Dichloroethene
 Concen: 50.417 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	283.8
98	65.5	0.0	129.2

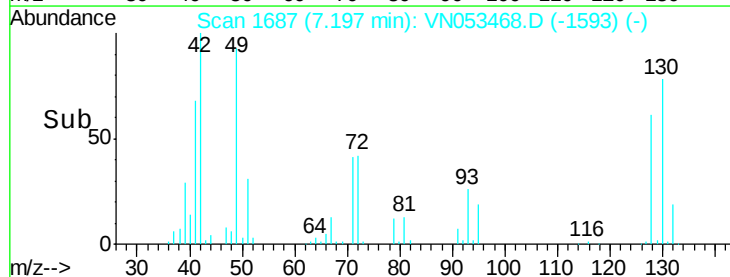
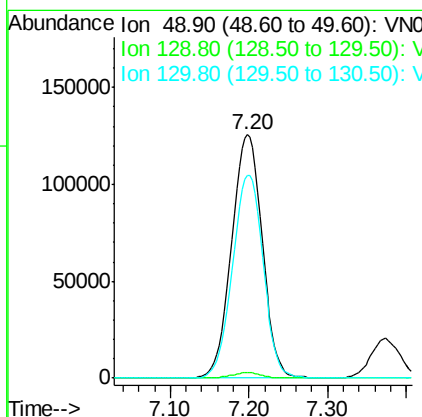
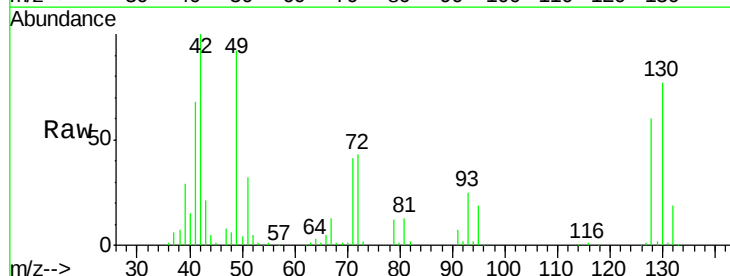
Manual Integrations
 APPROVED

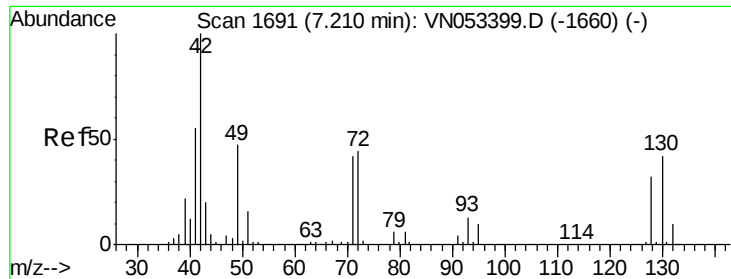
MMDadoda
 1/21/2019 10:48:06 AM



#28
 Bromochloromethane
 Concen: 50.503 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.8	66.3	99.5





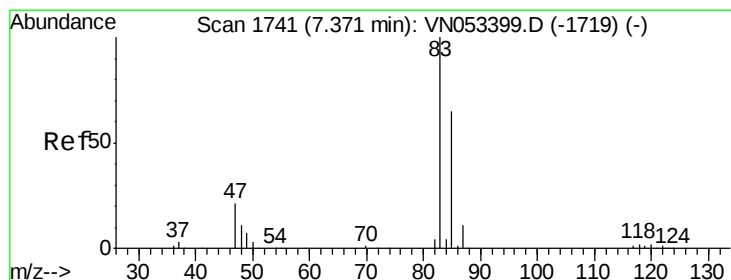
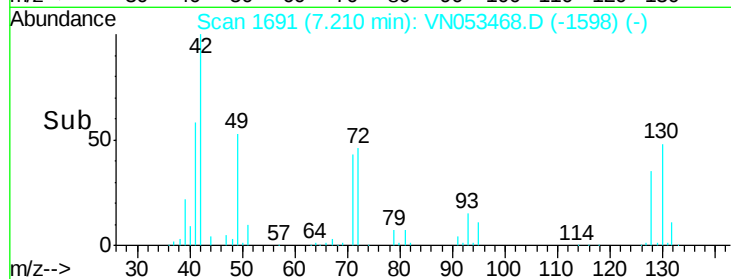
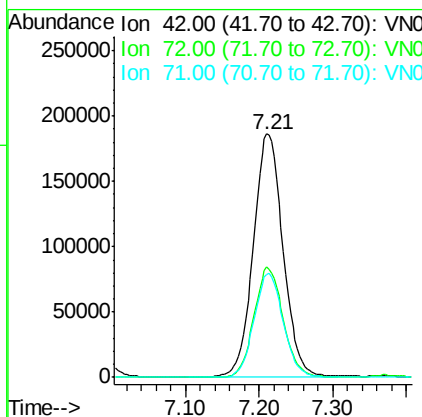
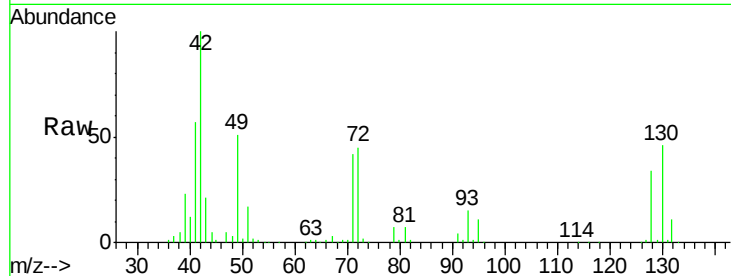
#29
Tetrahydrofuran
Concen: 262.147 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.2	52.8
71	42.0	33.0	49.4

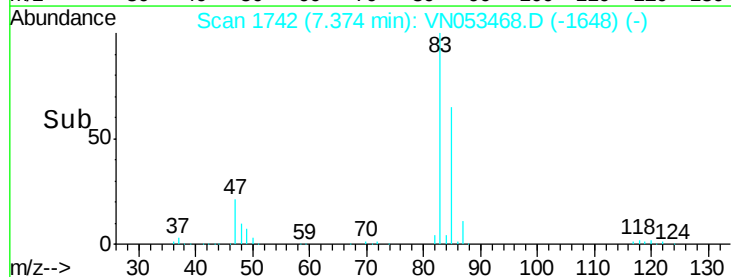
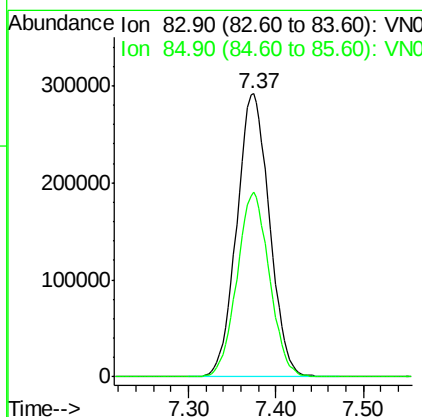
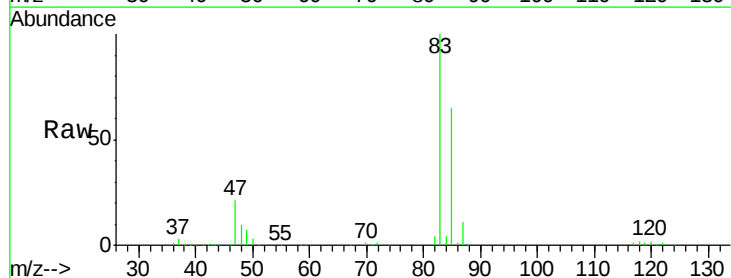
Manual Integrations
APPROVED

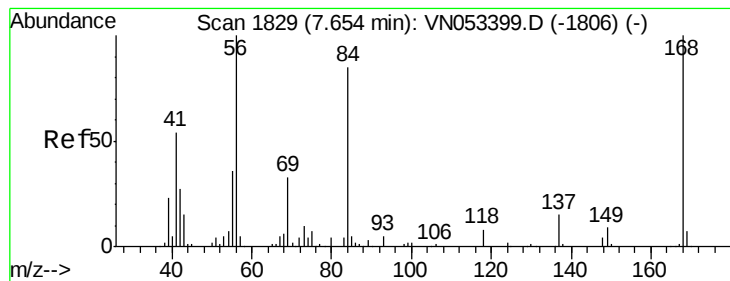
MMDadoda
1/21/2019 10:48:06 AM



#30
Chloroform
Concen: 50.796 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2





#31

Cyclohexane

Concen: 48.233 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 717825

Ion Ratio Lower Upper

56 100

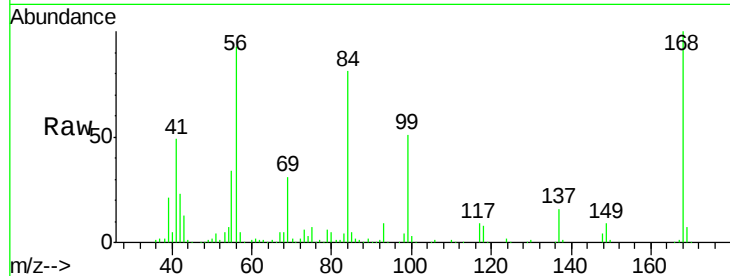
69 33.5 26.4 39.6

84 85.6 67.9 101.9

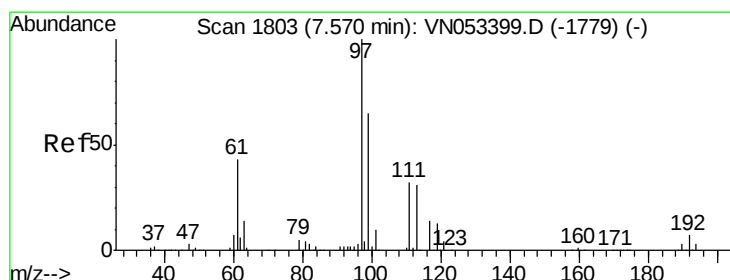
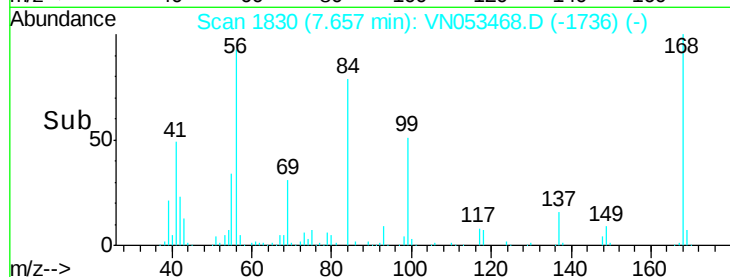
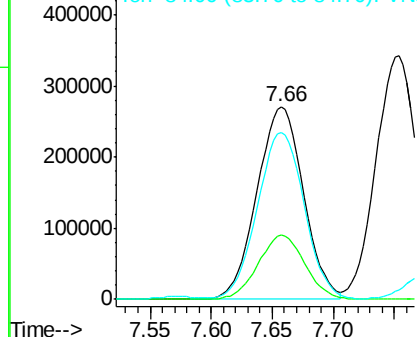
Manual Integrations
APPROVED

MMDadoda

1/21/2019 10:48:06 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 50.679 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

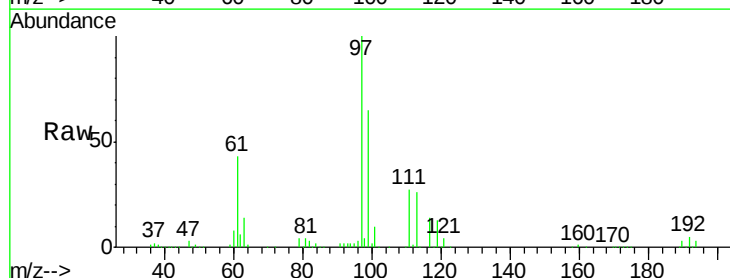
Tgt Ion: 97 Resp: 640434

Ion Ratio Lower Upper

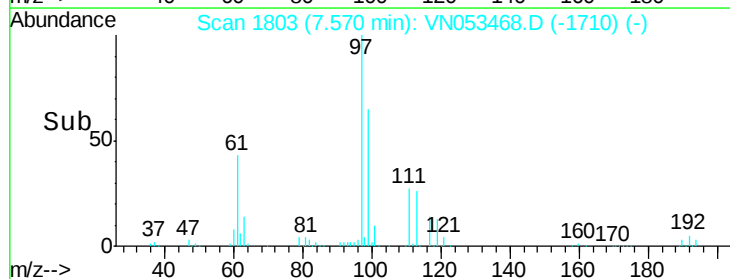
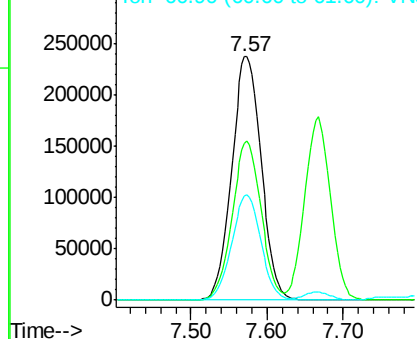
97 100

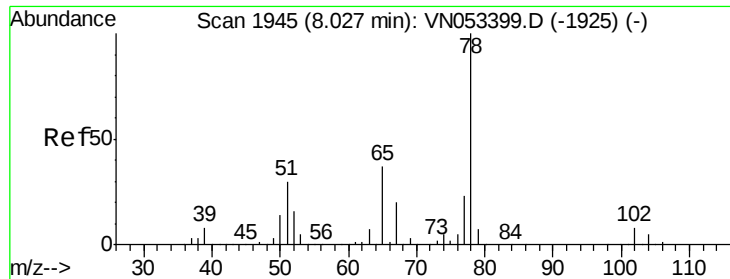
99 63.8 52.0 78.0

61 42.7 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





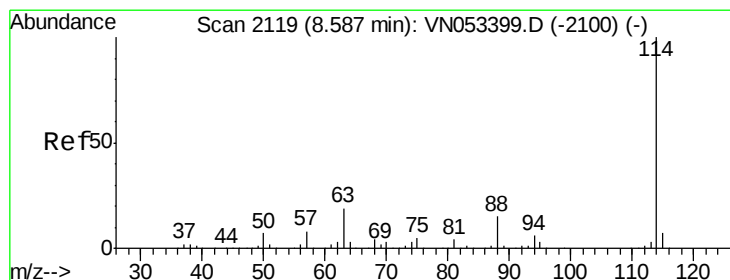
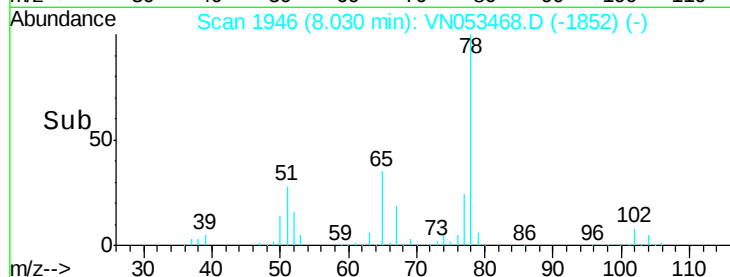
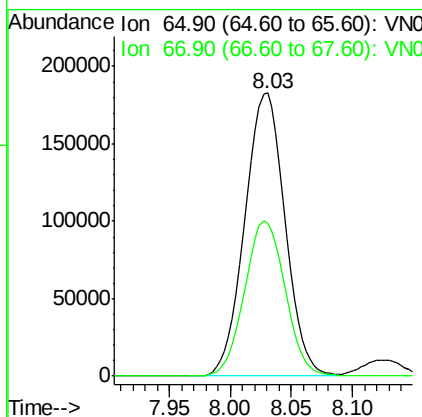
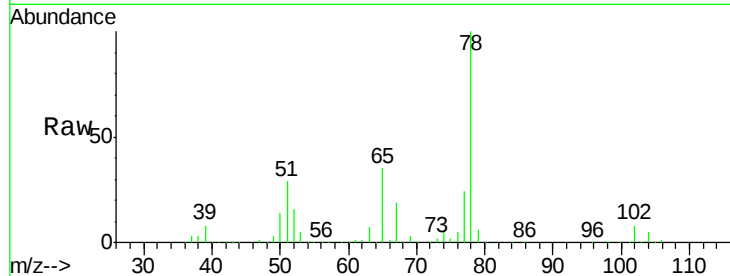
#33
 1,2-Dichloroethane-d4
 Concen: 50.679 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 417220
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.2

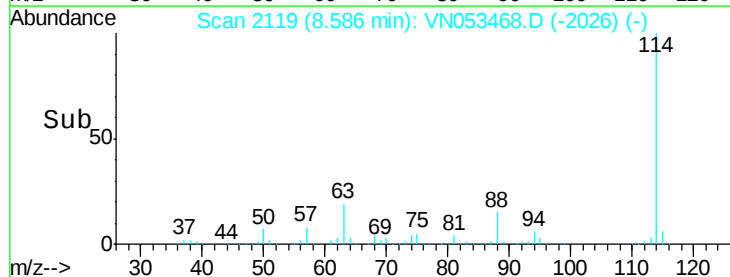
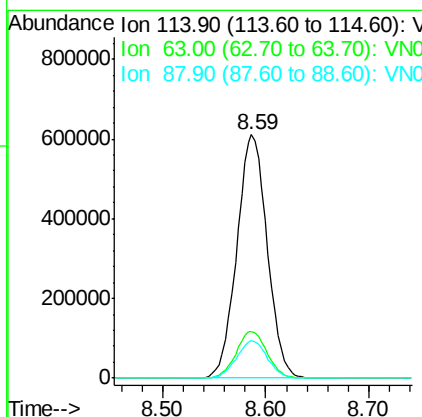
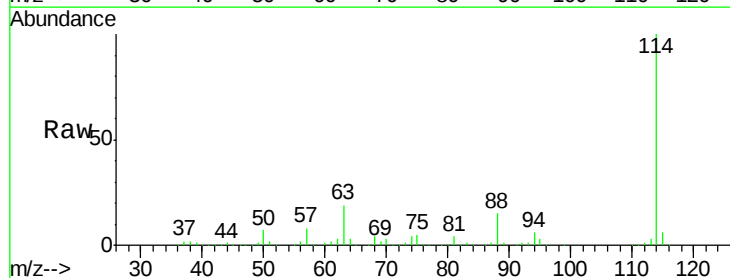
Manual Integrations
 APPROVED

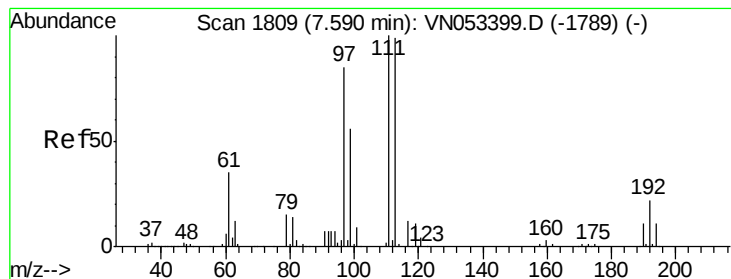
MMDadoda
 1/21/2019 10:48:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 114 Resp: 1249252
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

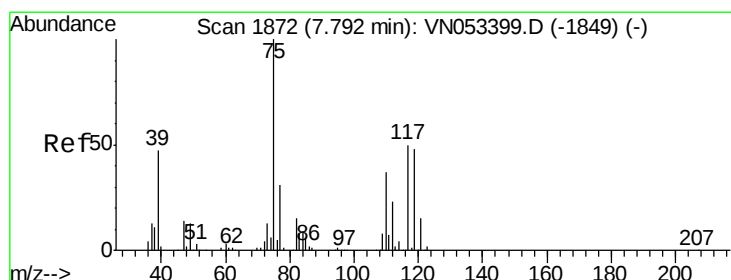
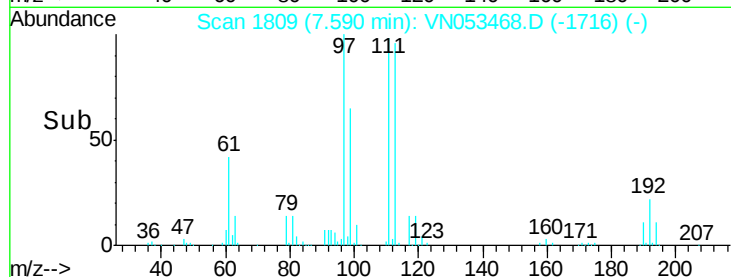
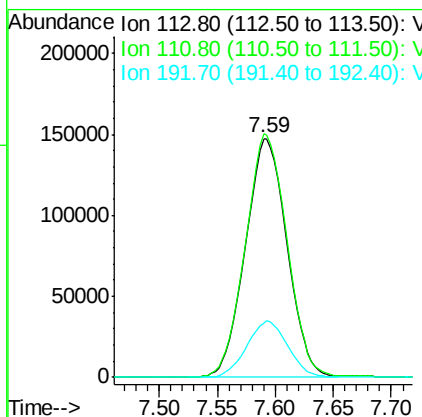
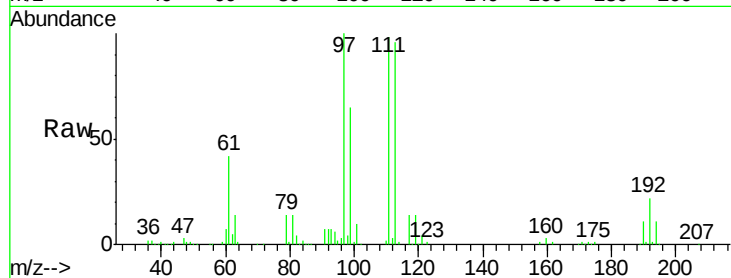
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	367936
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.1	121.7
192	23.2	18.2	27.2

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:48:06 AM



#36

1,1-Dichloropropene

Concen: 52.477 ug/l

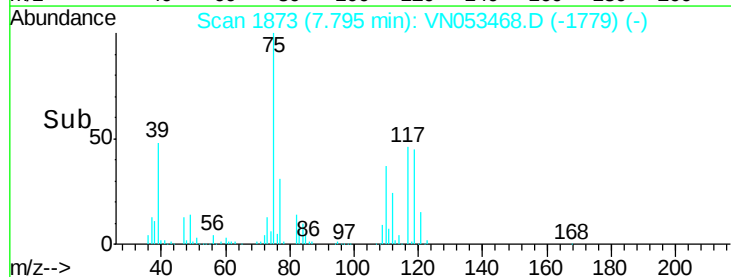
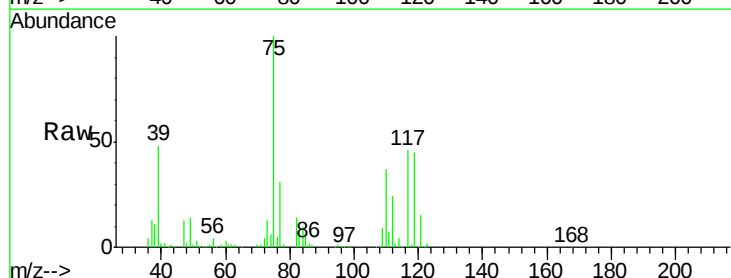
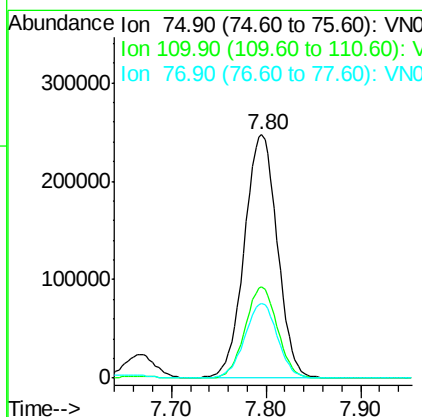
RT: 7.80 min Scan# 1873

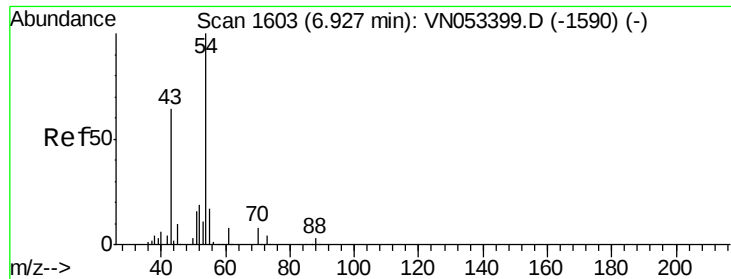
Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion:	75	Resp:	597039
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.3
77	30.7	25.1	37.7





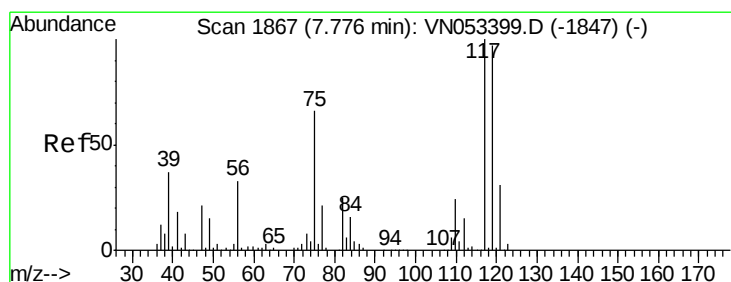
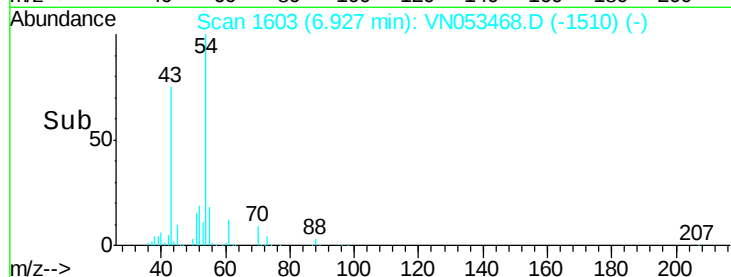
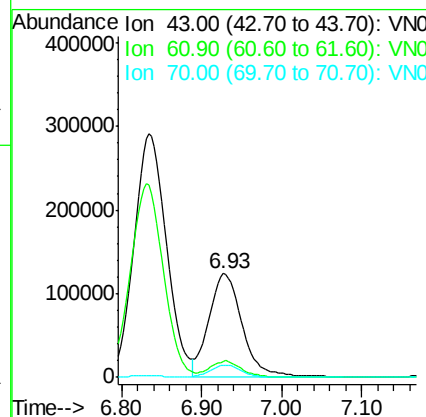
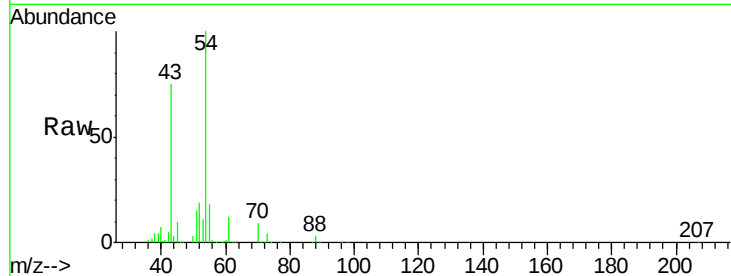
#37
Ethyl Acetate
Concen: 54.149 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.0	8.6	12.8

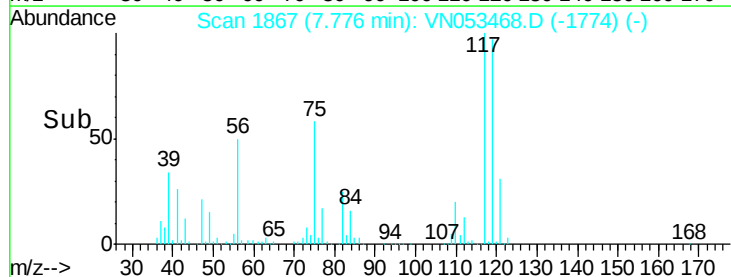
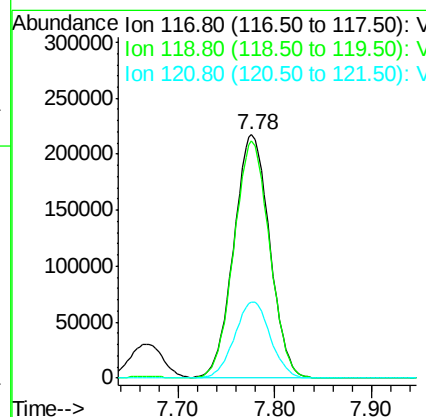
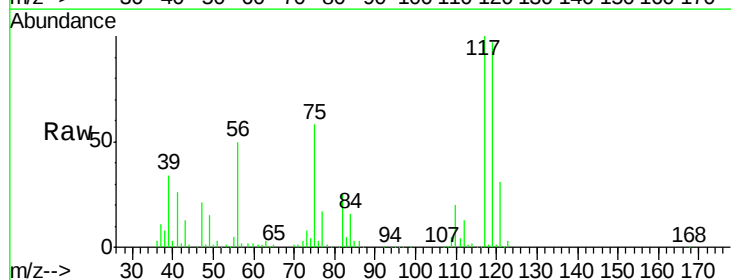
Manual Integrations
APPROVED

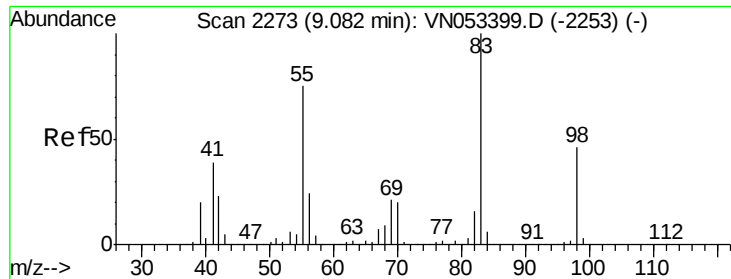
MMDadoda
1/21/2019 10:48:06 AM



#38
Carbon Tetrachloride
Concen: 51.972 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.2	115.8
121	31.4	24.6	37.0





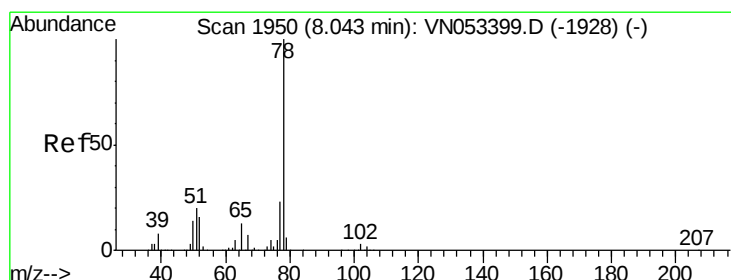
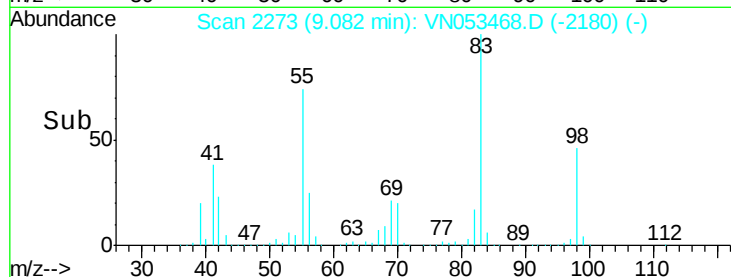
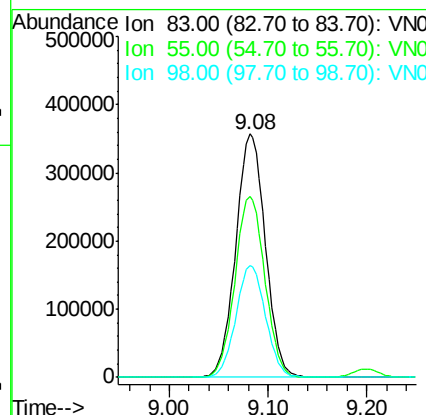
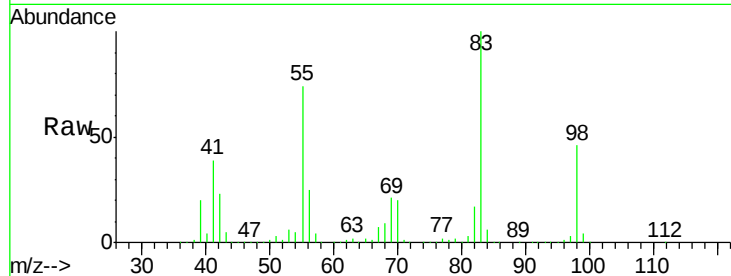
#39
Methvlcvclohexane
Concen: 53.072 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	746292		
55	74.5		60.1	90.1
98	46.1		36.6	55.0

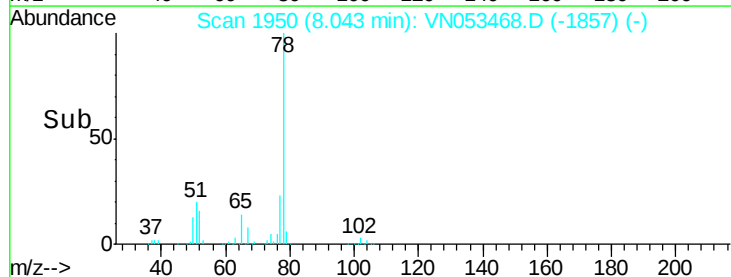
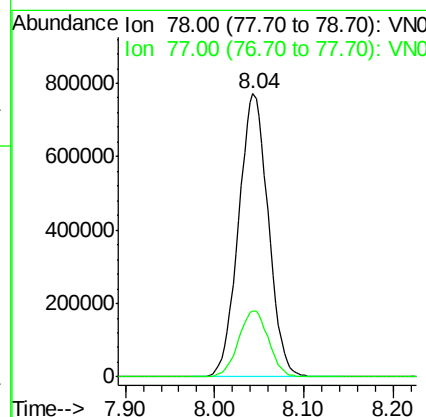
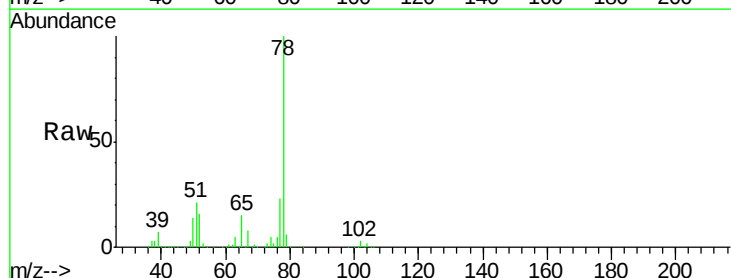
Manual Integrations
APPROVED

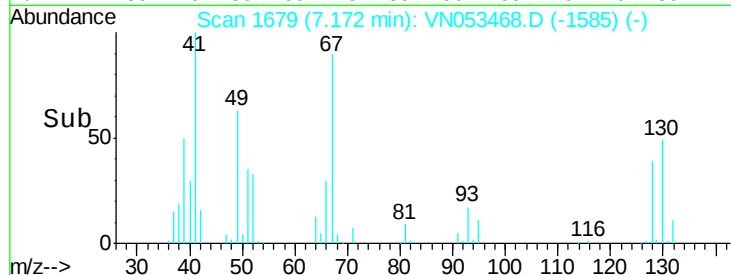
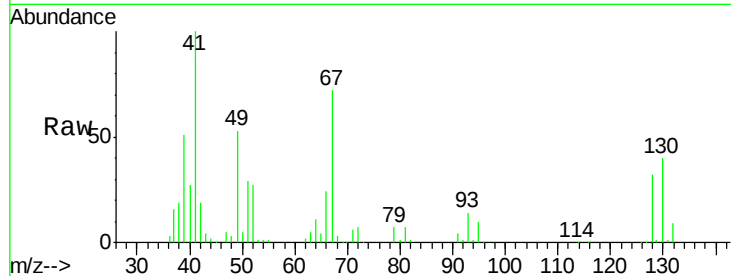
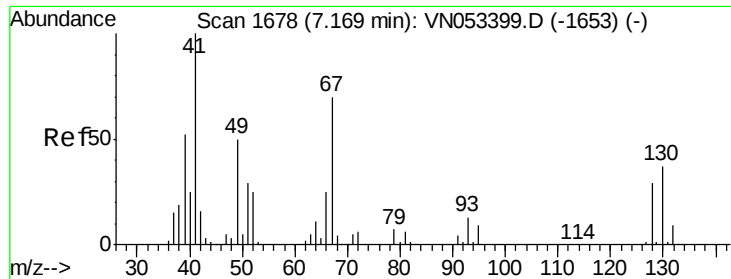
MMDadoda
1/21/2019 10:48:06 AM



#40
Benzene
Concen: 51.550 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1782237		
77	23.4		18.8	28.2





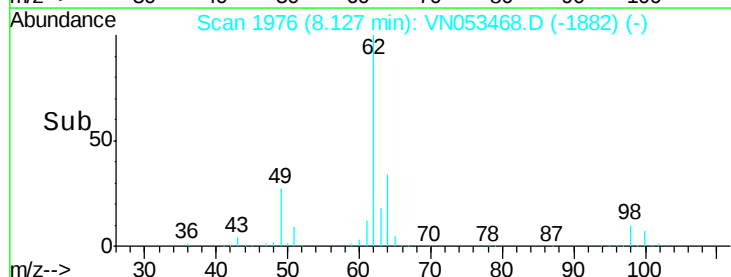
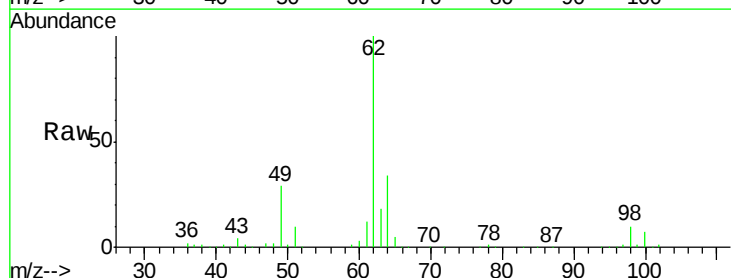
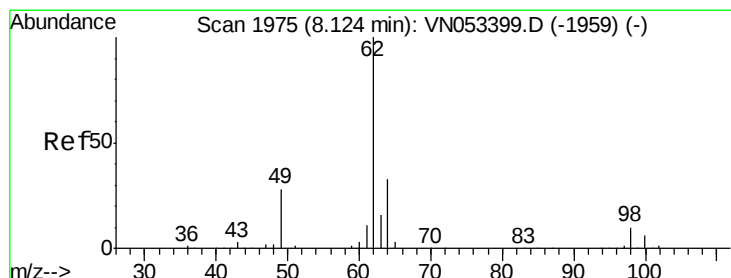
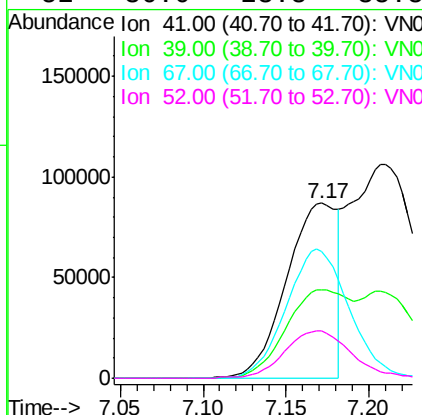
#41
Methacrylonitrile
Concen: 47.526 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tot Ion	41	Resp	184720
Ion Ratio	Lower	Upper	
41	100		
39	63.4	46.8	70.2
67	92.1	63.0	94.6
52	36.0	23.8	35.8#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

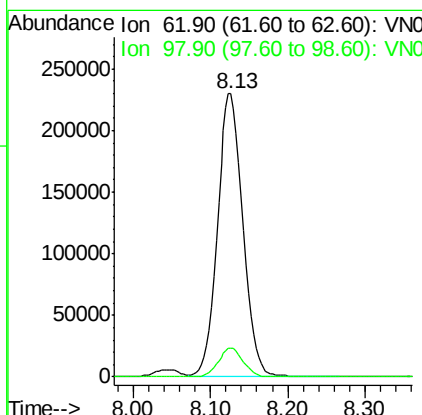
Manual Integrations
APPROVED

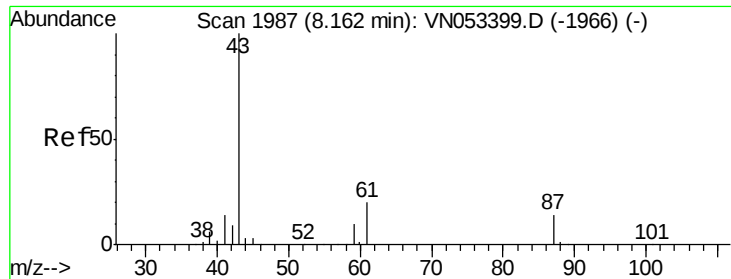
MMDadoda
1/21/2019 10:48:06 AM



#42
1,2-Dichloroethane
Concen: 52.031 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	62	Resp	524063
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	19.6





#43

Isopropyl Acetate

Concen: 54.120 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

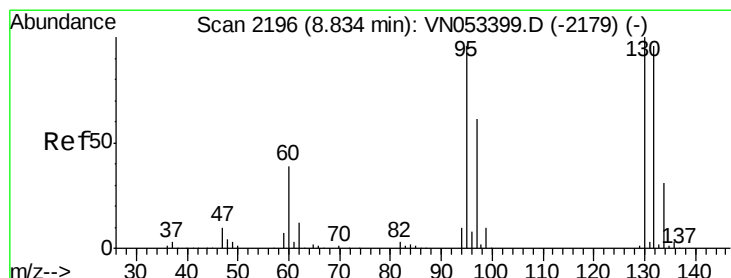
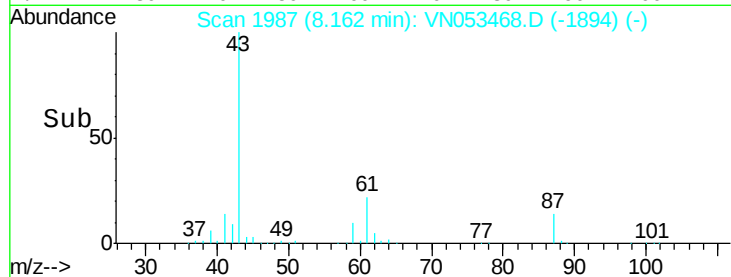
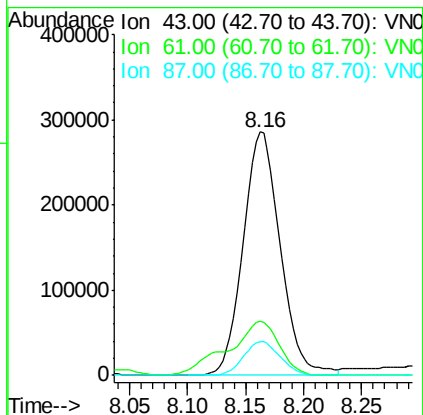
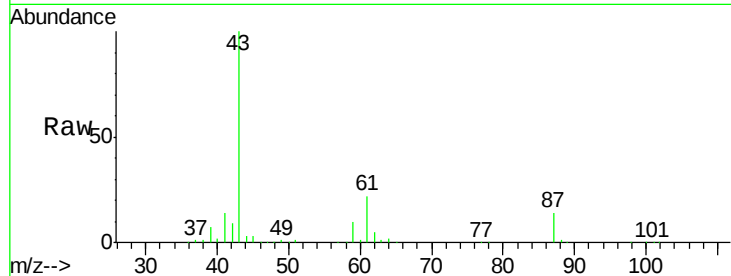
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	636972
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.9	35.9
87	13.7	11.0	16.6

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:48:06 AM



#44

Trichloroethene

Concen: 51.502 ug/l

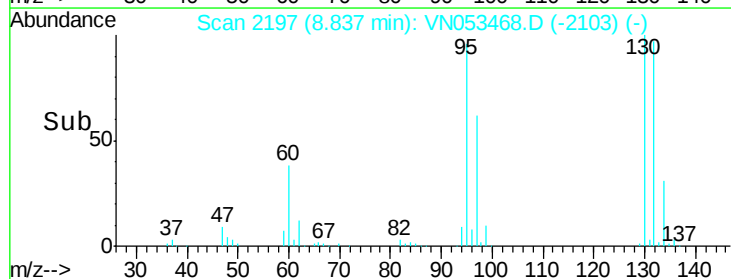
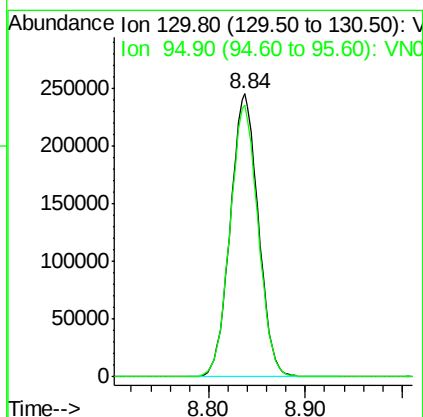
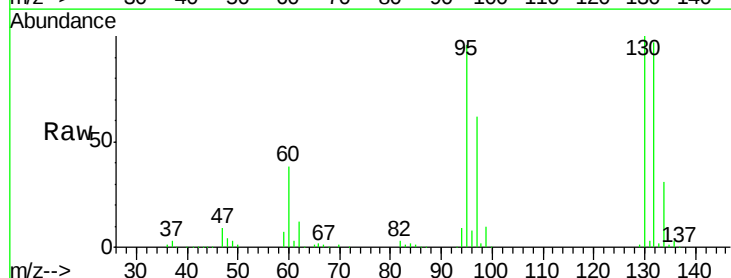
RT: 8.84 min Scan# 2197

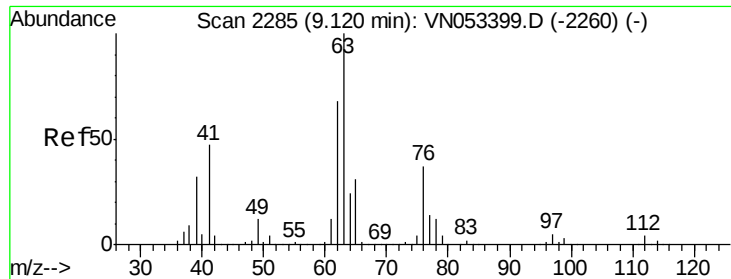
Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion:	130	Resp:	493785
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	191.4





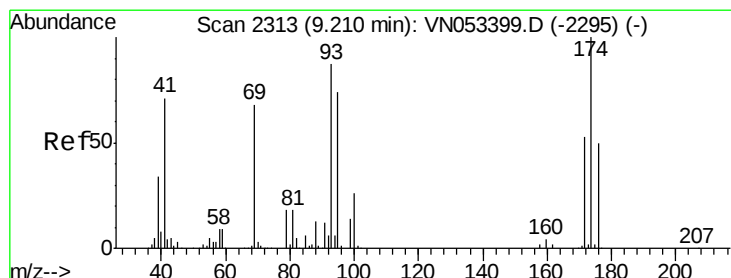
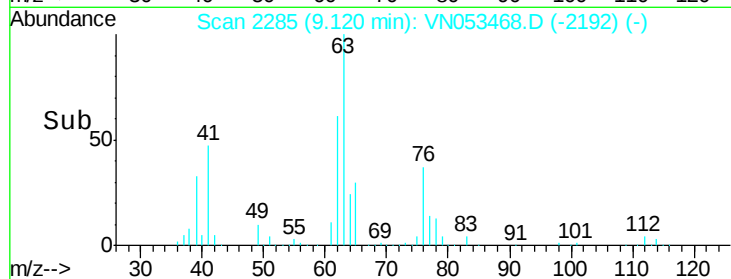
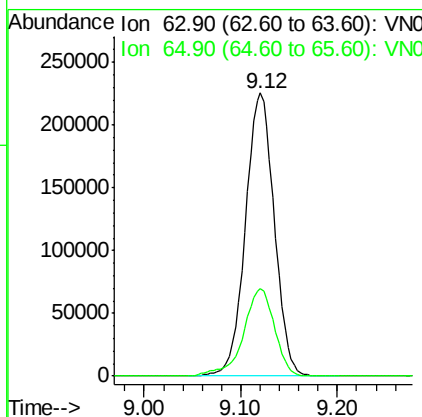
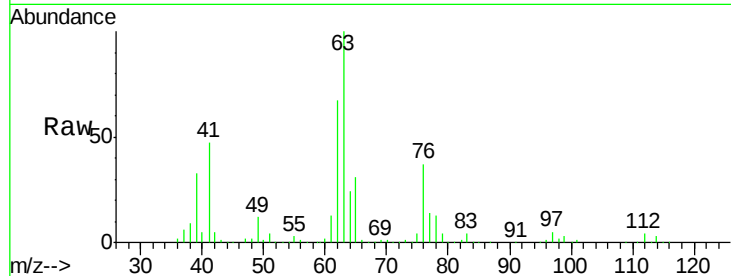
#45
 1,2-Dichloropropane
 Concen: 50.922 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 466306
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

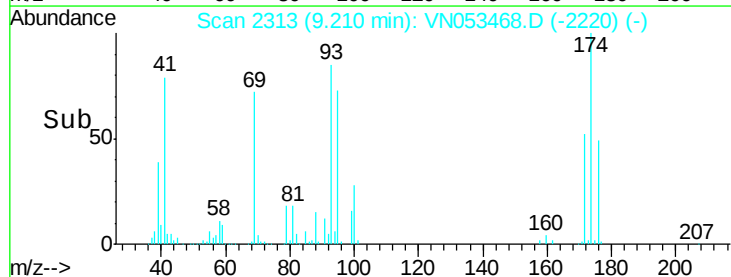
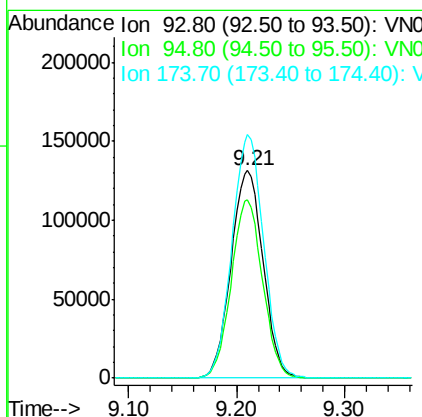
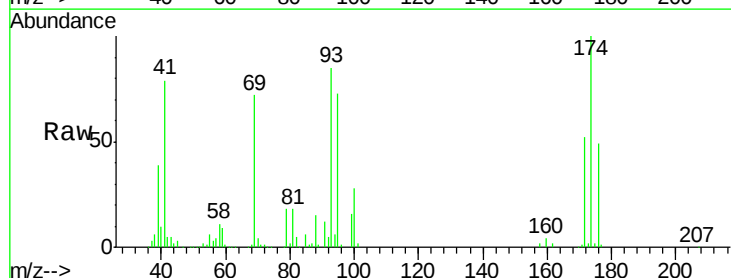
Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:48:06 AM



#46
 Dibromomethane
 Concen: 51.716 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 93 Resp: 272090
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.3 100.9
 174 115.6 91.0 136.4





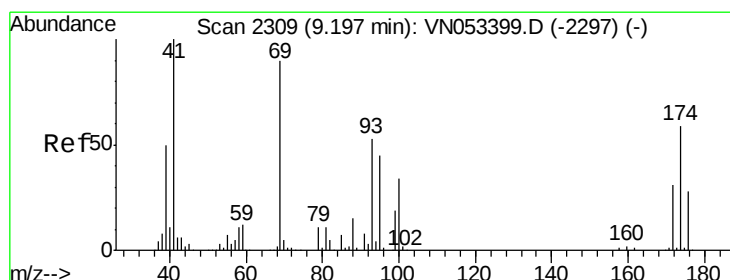
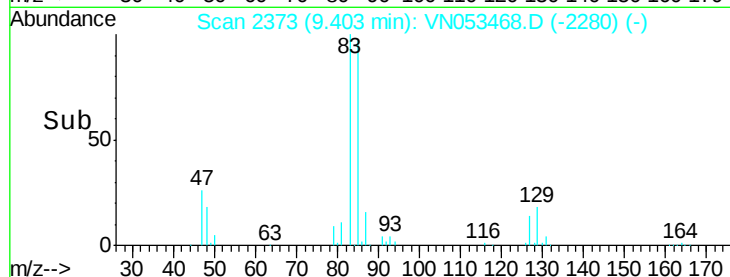
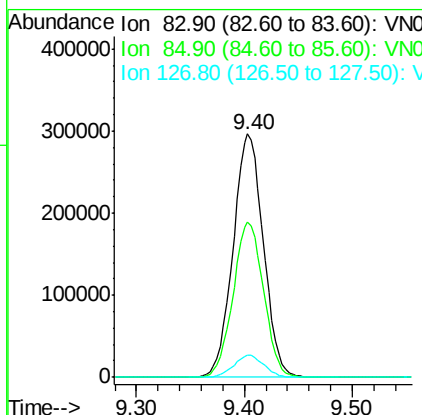
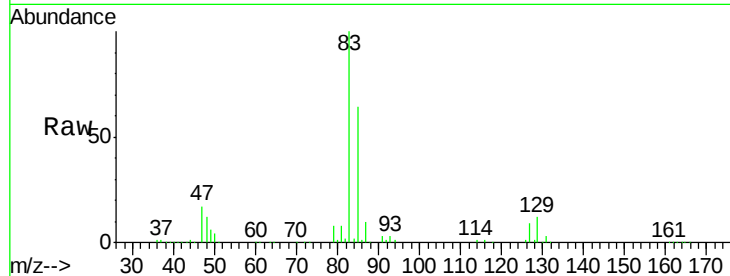
#47
Bromodichloromethane
Concen: 52.253 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	578139		
85	63.8		51.0	76.6
127	9.2		7.0	10.6

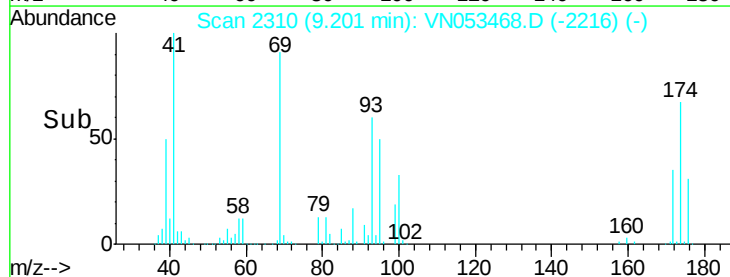
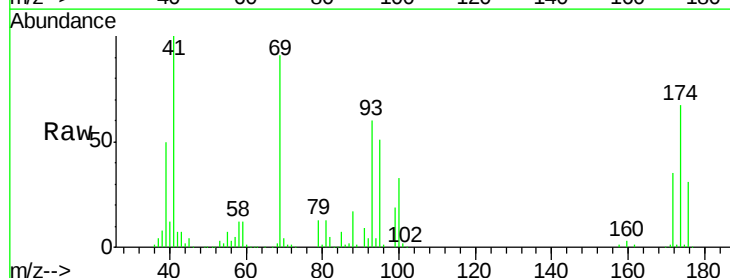
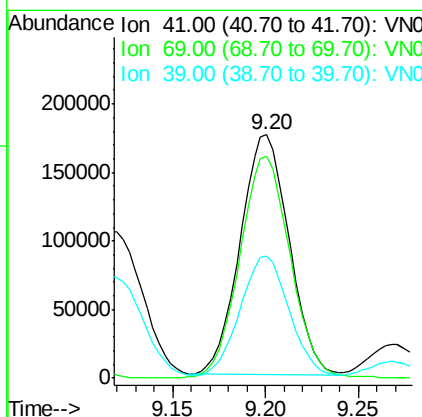
Manual Integrations
APPROVED

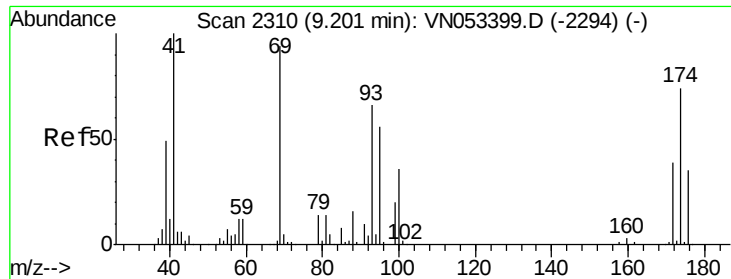
MMDadoda
1/21/2019 10:48:06 AM



#48
Methyl methacrylate
Concen: 52.741 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	320509		
69	95.6		73.8	110.6
39	49.8		40.0	60.0





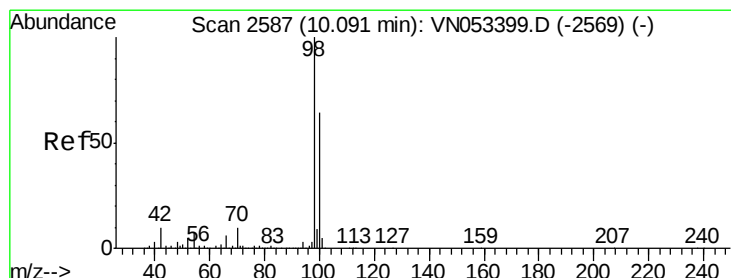
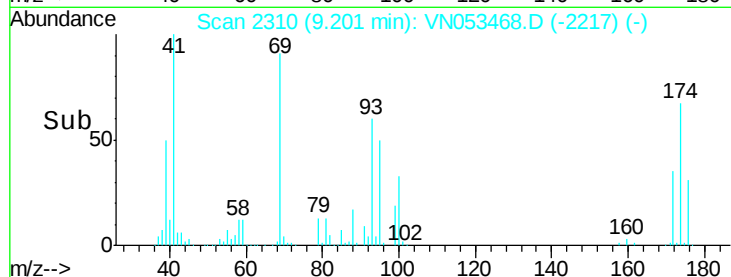
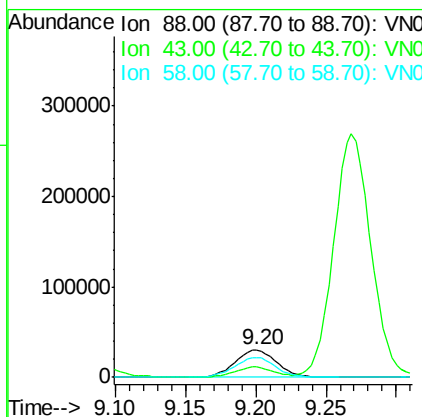
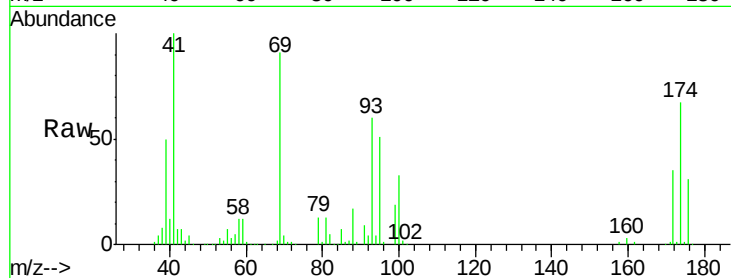
#49
1,4-Dioxane
Concen: 1048.286 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	62215
Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.8	41.6
58	72.4	56.5	84.7

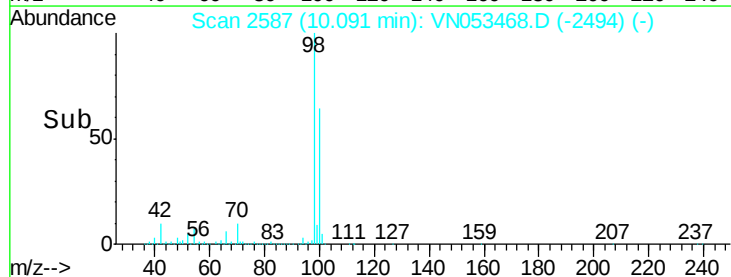
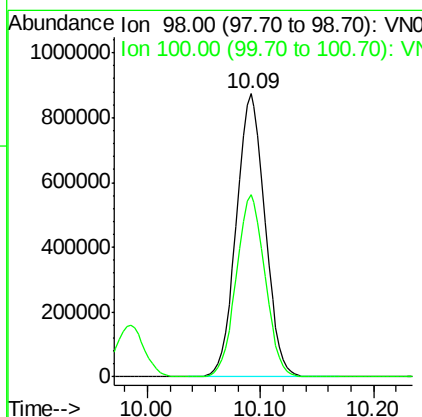
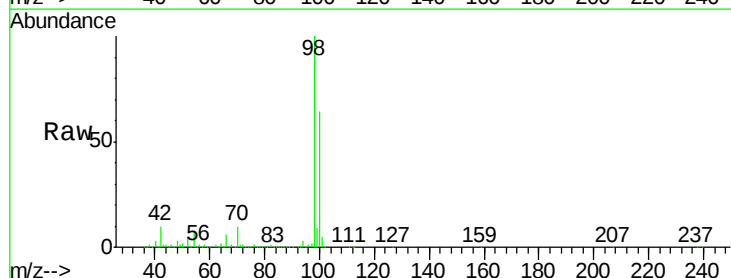
Manual Integrations
APPROVED

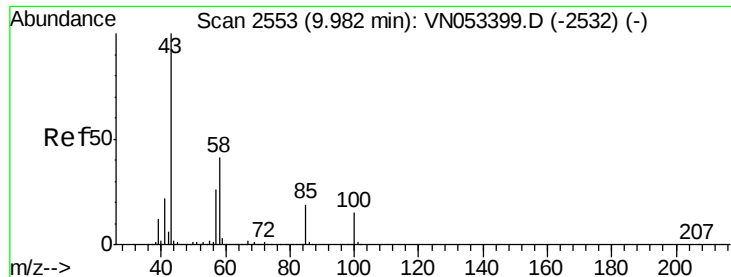
MMDadoda
1/21/2019 10:48:06 AM



#50
Toluene-d8
Concen: 1048.286 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	98	Resp	1543832
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





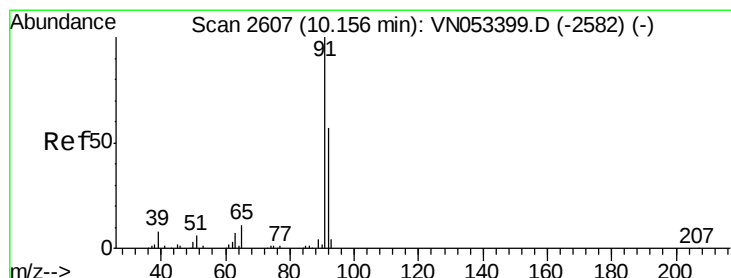
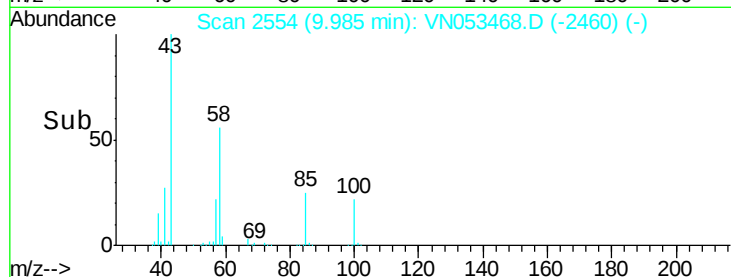
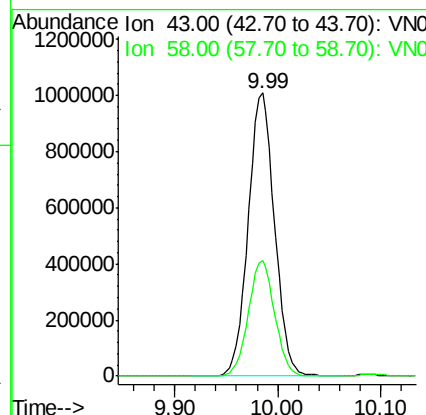
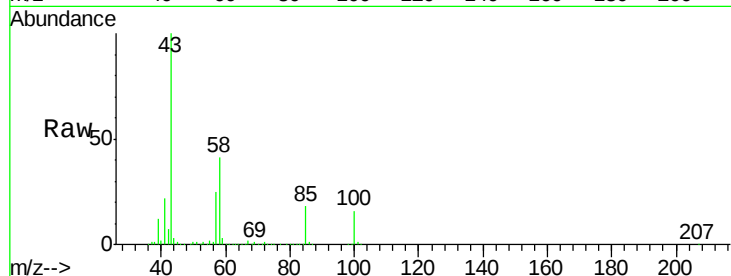
#51
4-Methyl-2-Pentanone
Concen: 277.614 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1783673
Ion Ratio Lower Upper
43 100
58 40.9 32.8 49.2

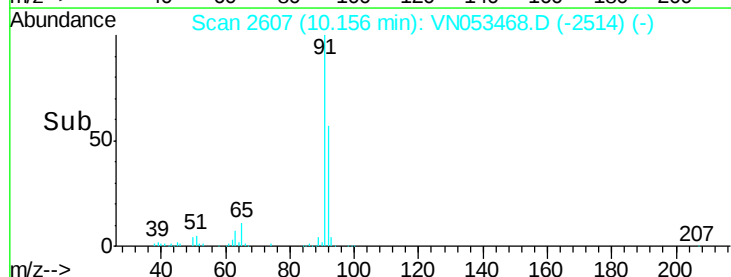
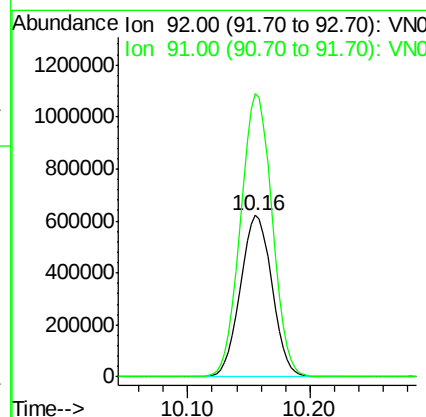
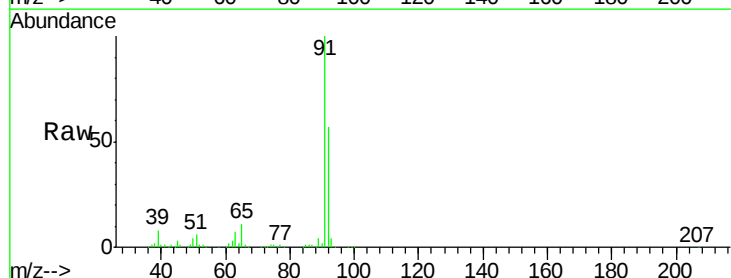
Manual Integrations
APPROVED

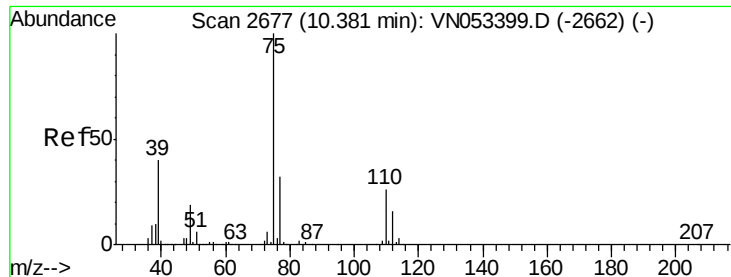
MMDadoda
1/21/2019 10:48:06 AM



#52
Toluene
Concen: 51.921 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 92 Resp: 1114409
Ion Ratio Lower Upper
92 100
91 175.1 139.9 209.9





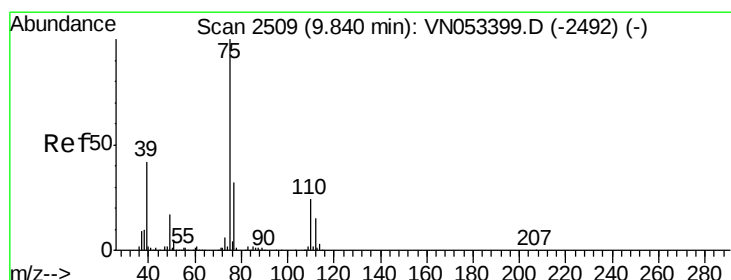
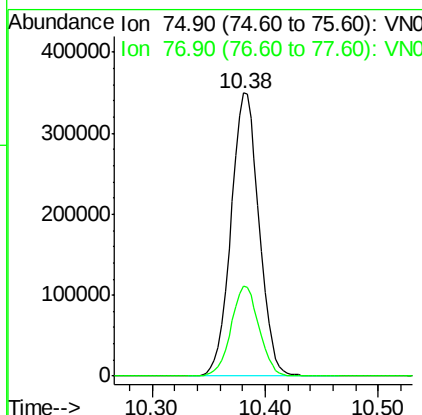
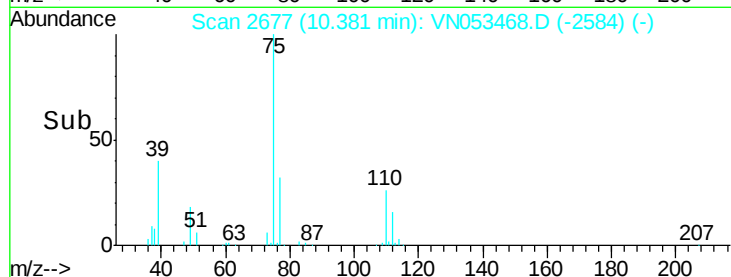
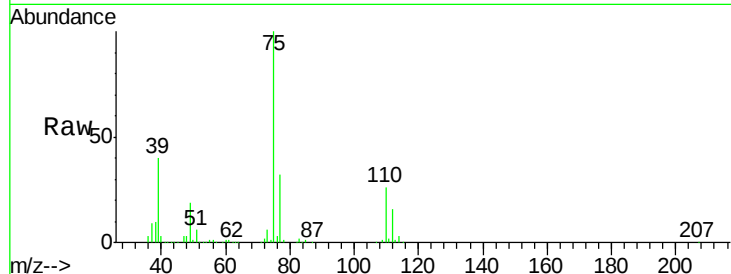
#53
t-1,3-Dichloropropene
Concen: 53.699 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3

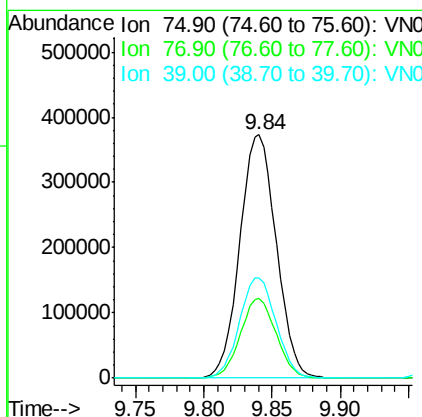
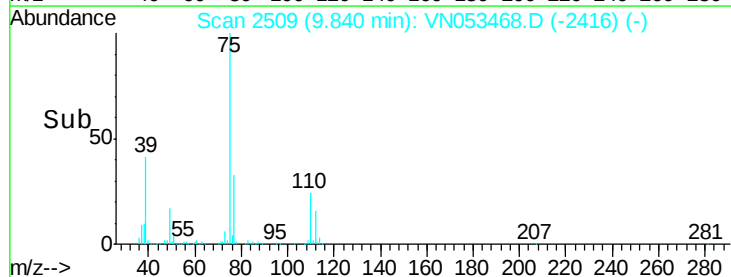
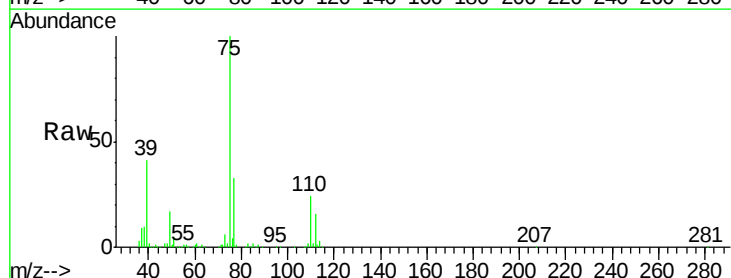
Manual Integrations
APPROVED

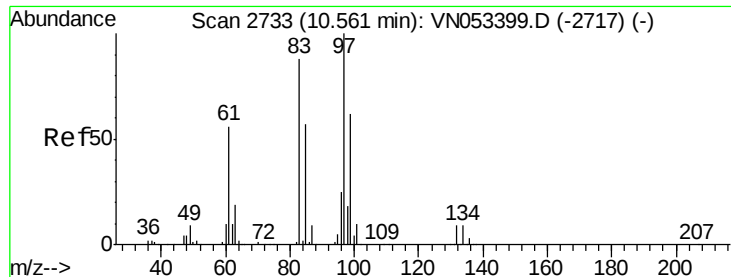
MMDadoda
1/21/2019 10:48:06 AM



#54
cis-1,3-Dichloropropene
Concen: 52.708 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.8	38.6
39	41.2	33.4	50.0





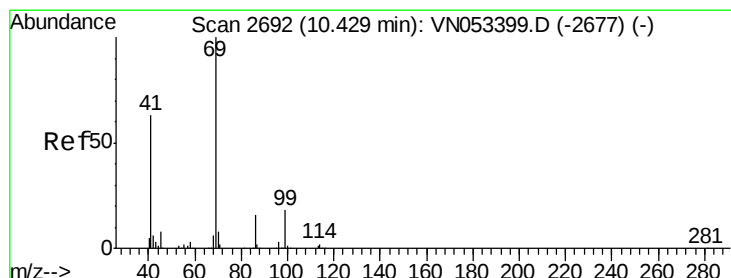
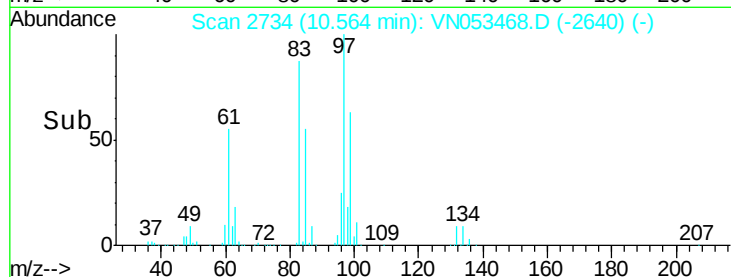
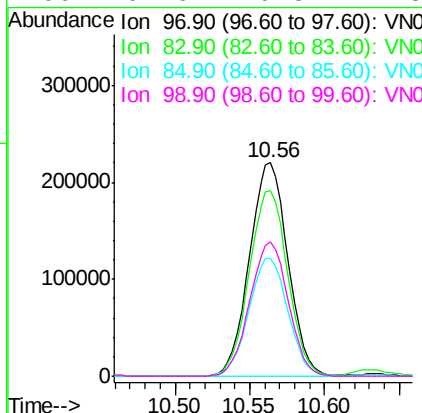
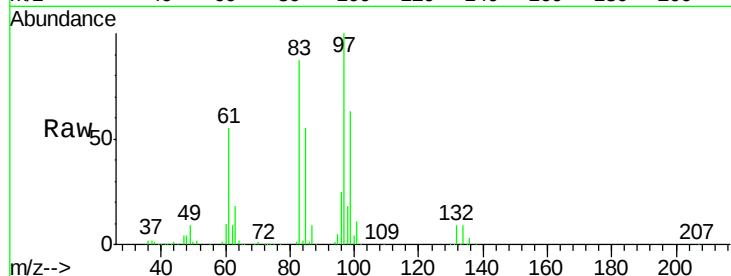
#55
 1,1,2-Trichloroethane
 Concen: 53.238 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	393958
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.1	105.1
85	55.0	45.4	68.0
99	62.6	49.8	74.8

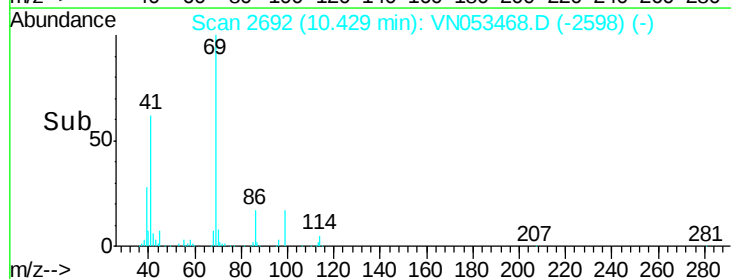
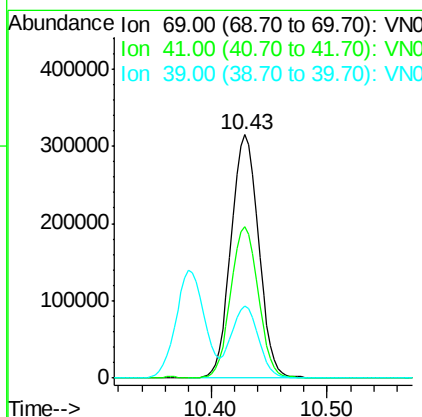
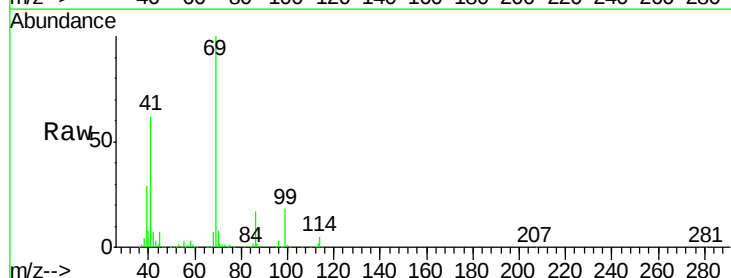
Manual Integrations
 APPROVED

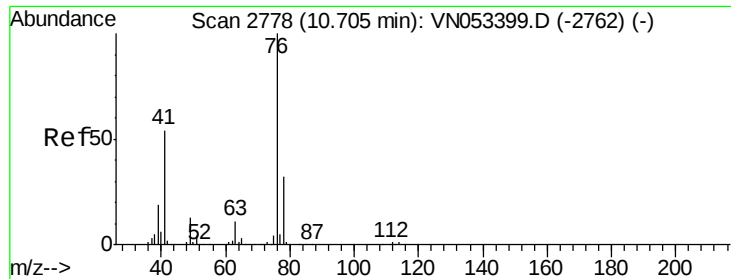
MMDadoda
 1/21/2019 10:48:06 AM



#56
 Ethyl methacrylate
 Concen: 49.528 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion	69	Resp	519917
Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.4	74.0
39	29.3	23.3	34.9





#57

1,3-Dichloropropane

Concen: 52.374 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 670438

Ion Ratio Lower Upper

76 100

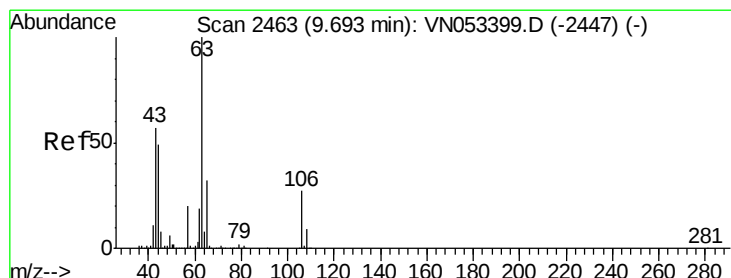
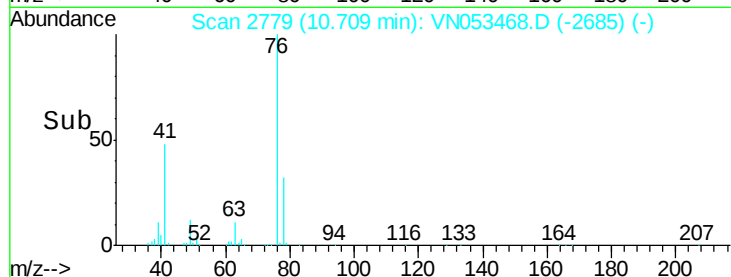
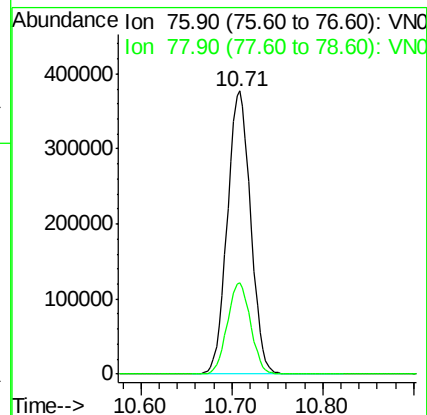
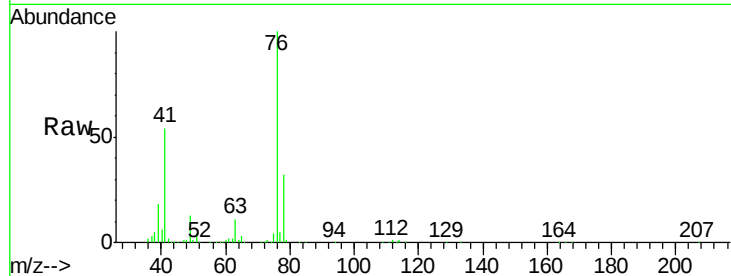
78 32.1 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

1/21/2019 10:48:06 AM



#58

2-Chloroethyl Vinyl ether

Concen: 265.847 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053468.D

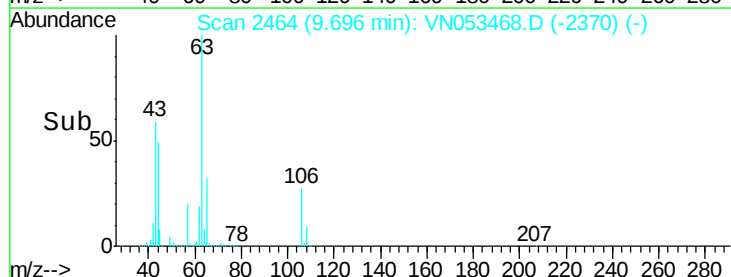
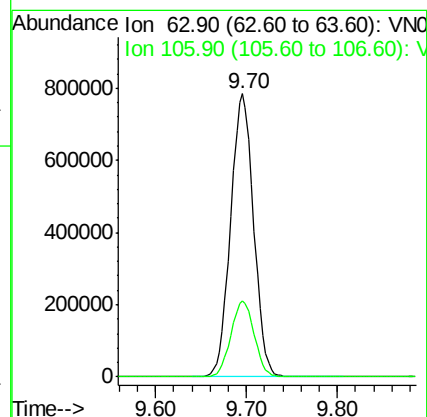
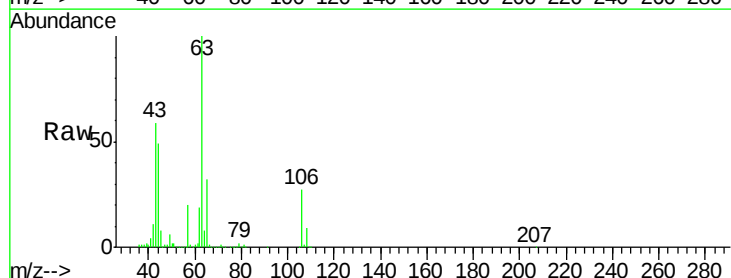
Acq: 18 Jan 2019 13:12

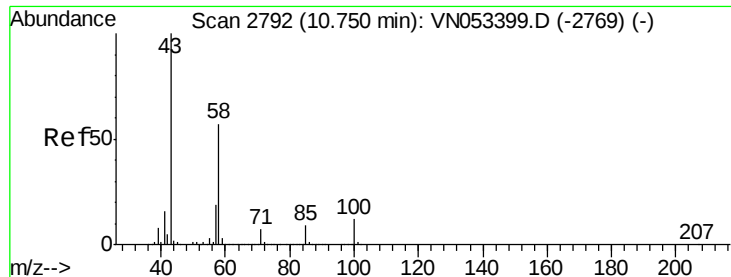
Tgt Ion: 63 Resp: 1376256

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3





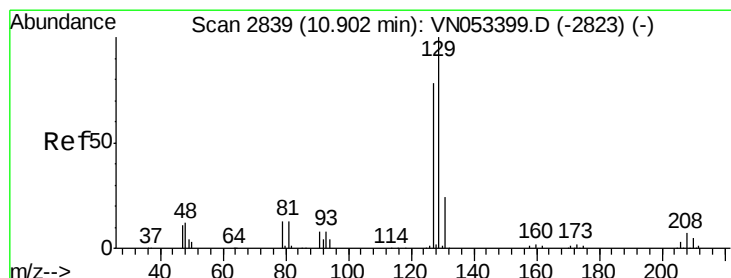
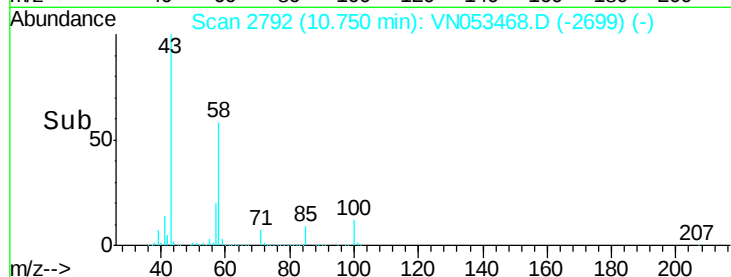
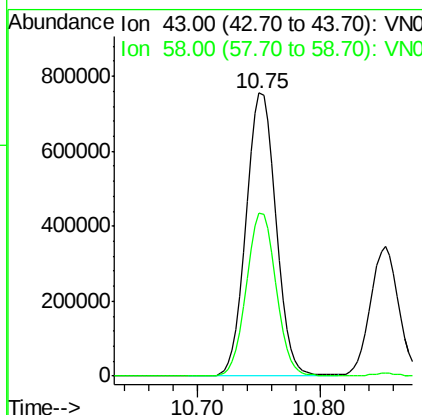
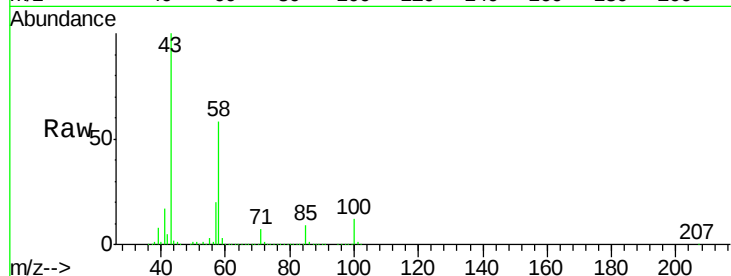
#59
2-Hexanone
Concen: 281.231 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1268434
Ion Ratio Lower Upper
43 100
58 57.4 28.6 85.8

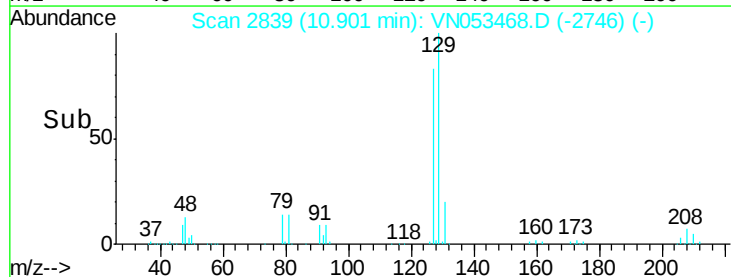
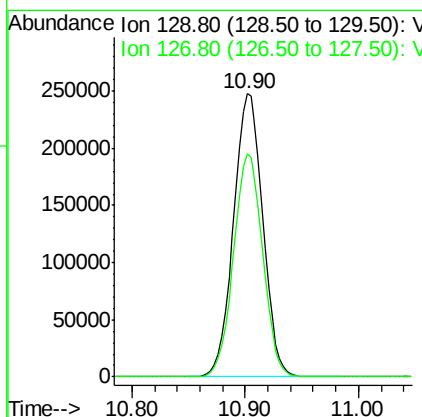
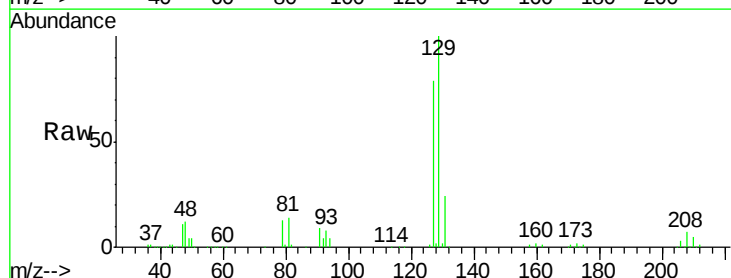
Manual Integrations
APPROVED

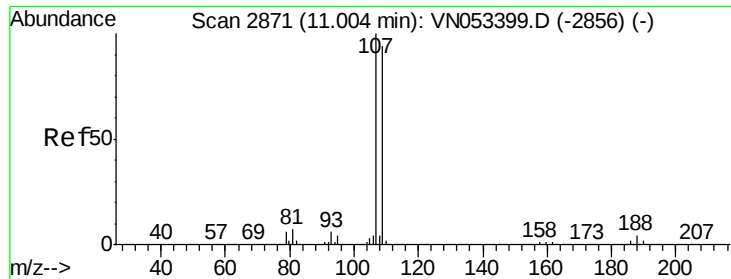
MMDadoda
1/21/2019 10:48:06 AM



#60
Dibromochloromethane
Concen: 53.202 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 129 Resp: 446529
Ion Ratio Lower Upper
129 100
127 78.5 38.6 115.8





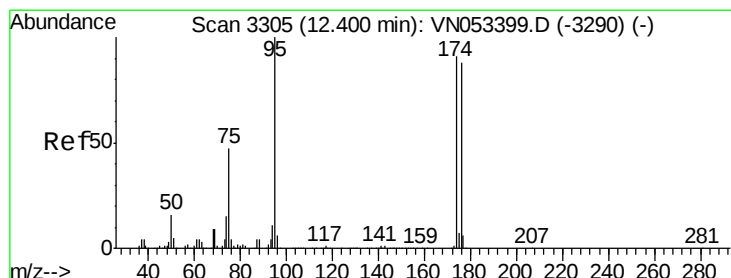
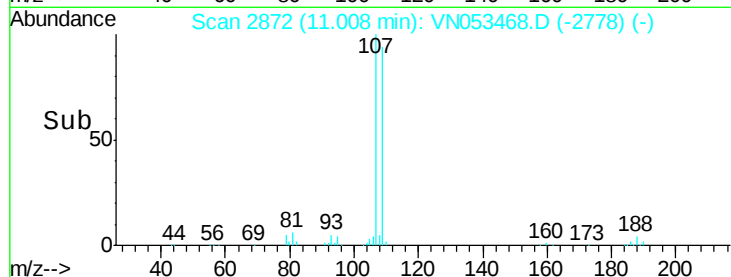
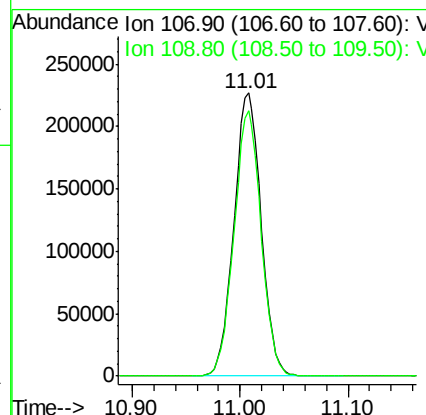
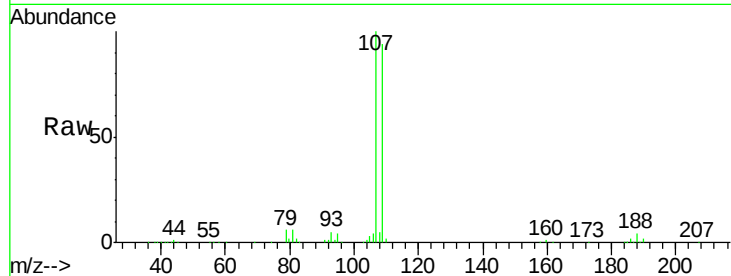
#61
 1,2-Dibromoethane
 Concen: 53.324 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.7	113.5

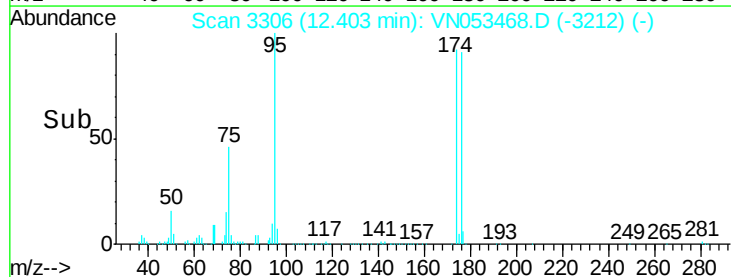
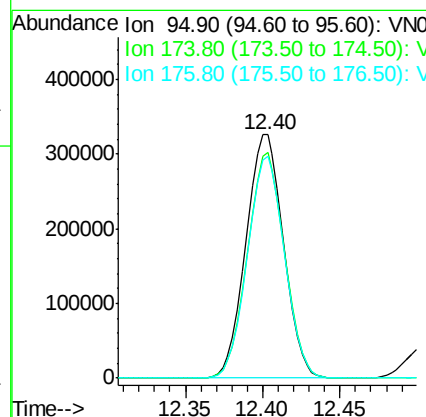
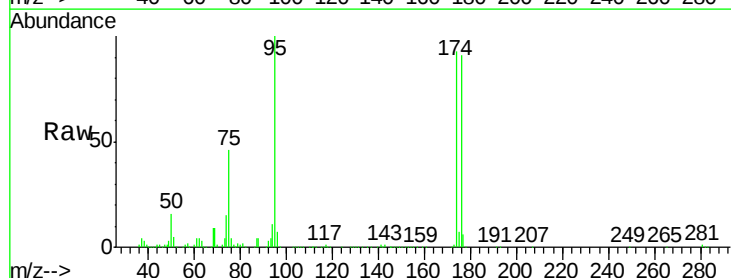
Manual Integrations
 APPROVED

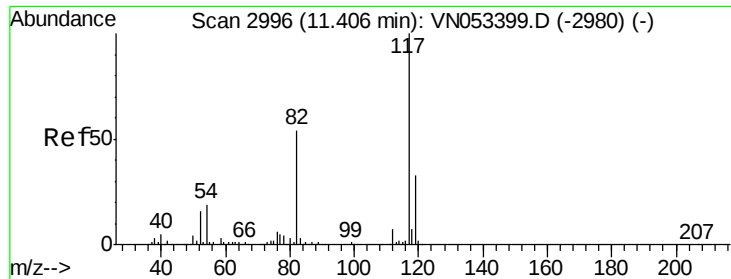
MMDadoda
 1/21/2019 10:48:06 AM



#62
 4-Bromofluorobenzene
 Concen: 53.324 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	183.2
176	90.1	0.0	177.4





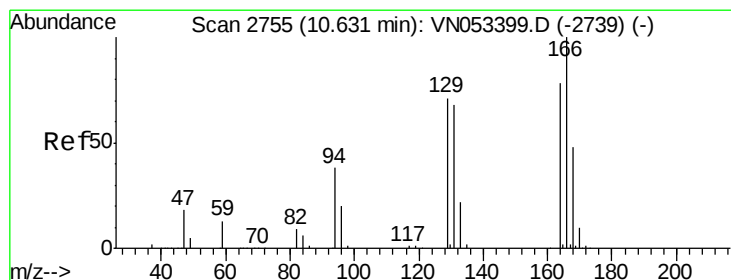
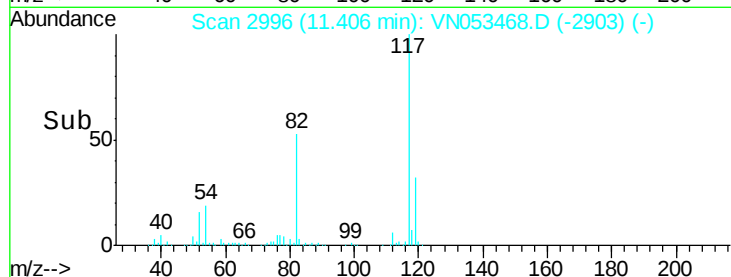
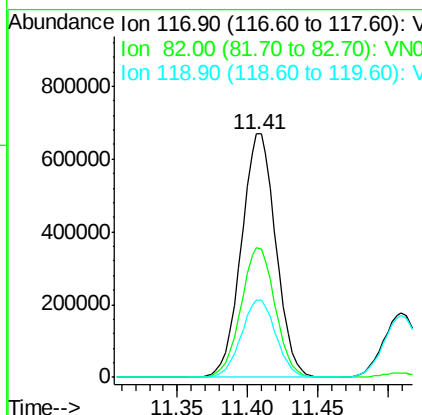
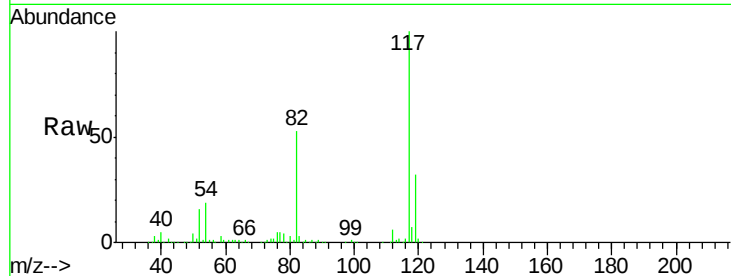
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1146703
Ion Ratio Lower Upper
117 100
82 53.4 42.9 64.3
119 31.7 26.0 39.0

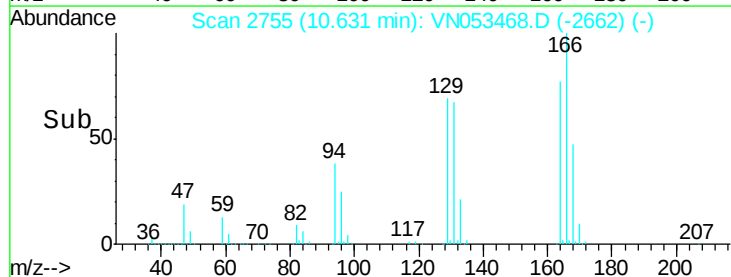
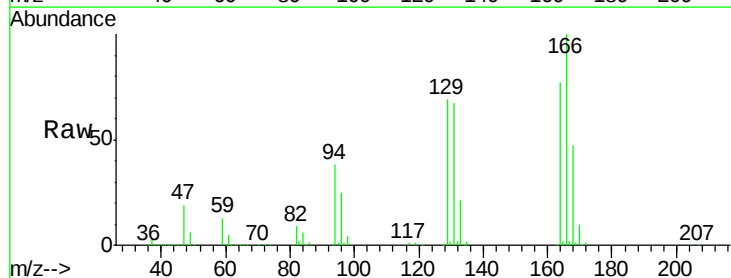
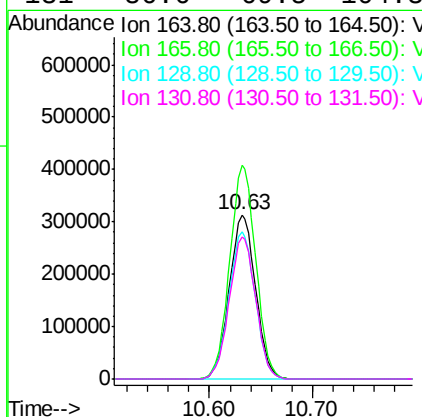
Manual Integrations
APPROVED

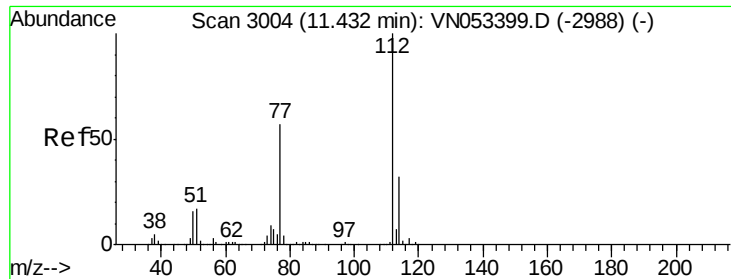
MMDadoda
1/21/2019 10:48:06 AM



#64
Tetrachloroethene
Concen: 51.461 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion:164 Resp: 556114
Ion Ratio Lower Upper
164 100
166 130.0 102.2 153.4
129 89.9 72.6 109.0
131 86.6 69.5 104.3





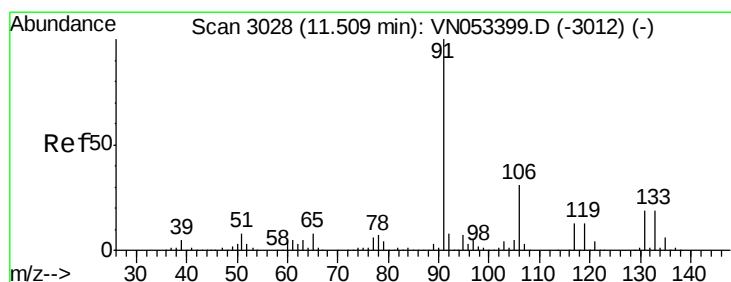
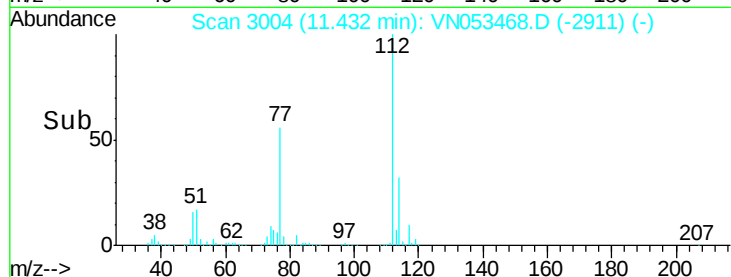
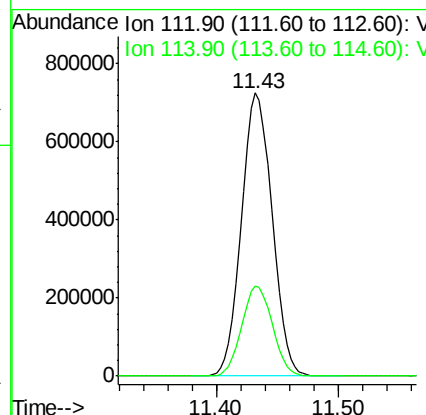
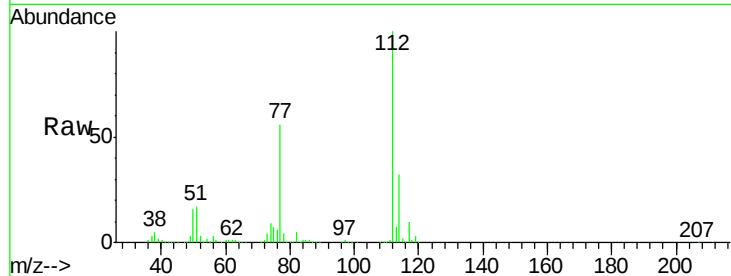
#65
Chlorobenzene
Concen: 51.935 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1260547
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

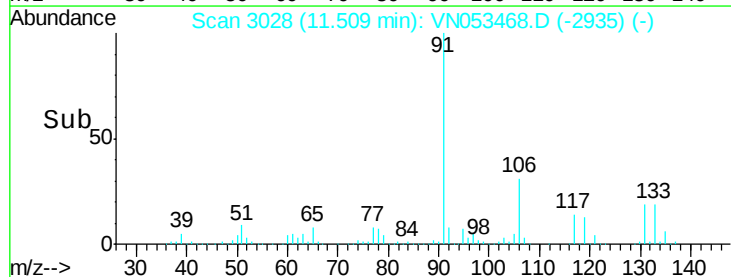
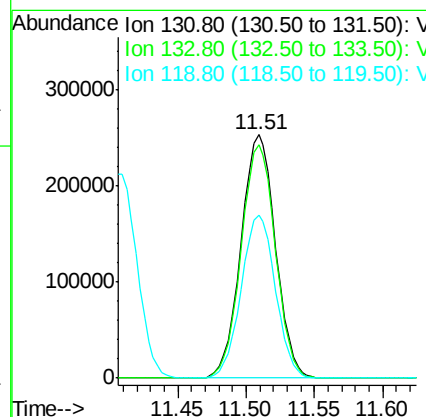
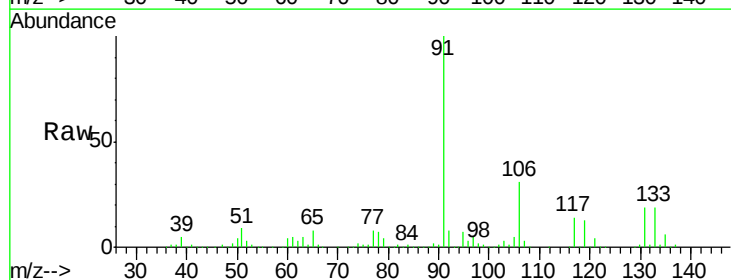
Manual Integrations
APPROVED

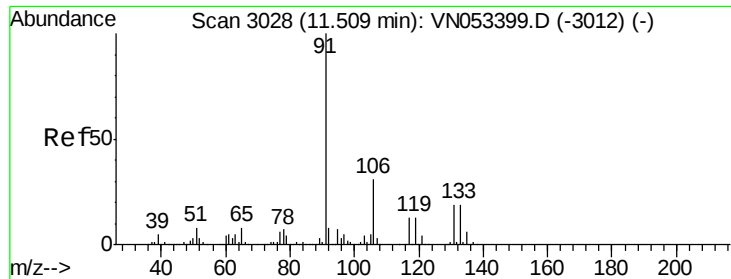
MMDadoda
1/21/2019 10:48:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.400 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion:131 Resp: 442457
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.6 33.5 100.5





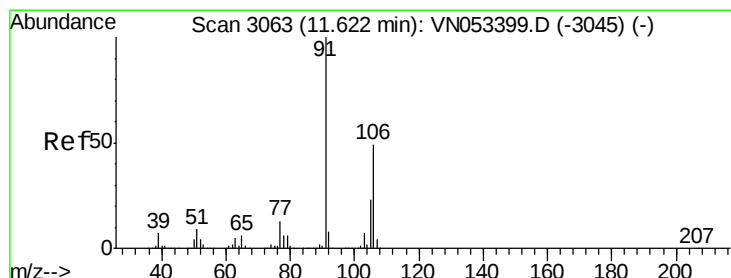
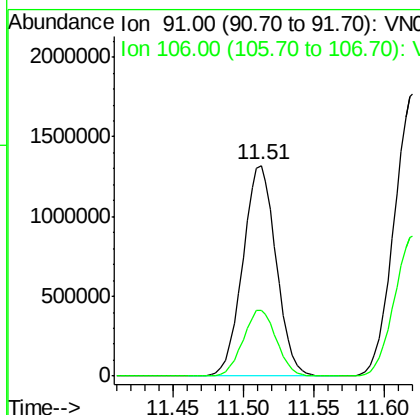
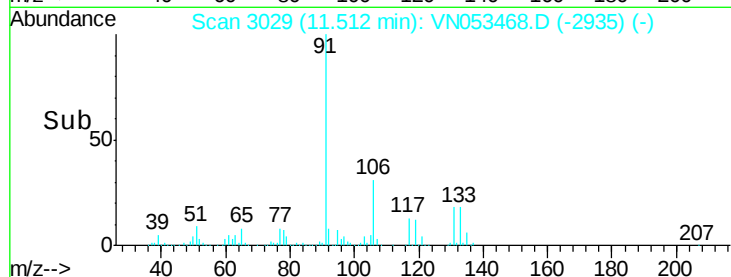
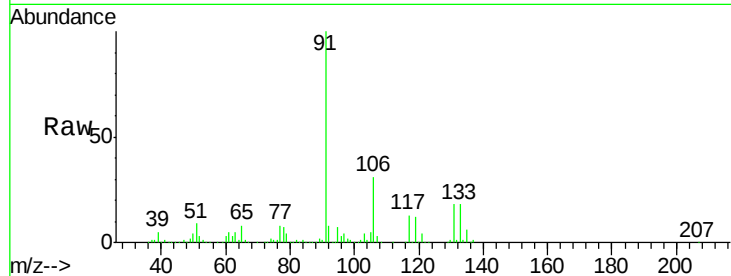
#67
Ethyl Benzene
Concen: 52.636 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2177290
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

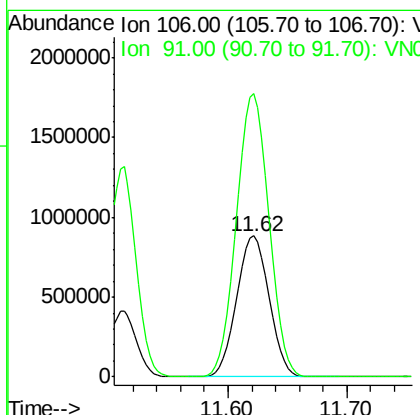
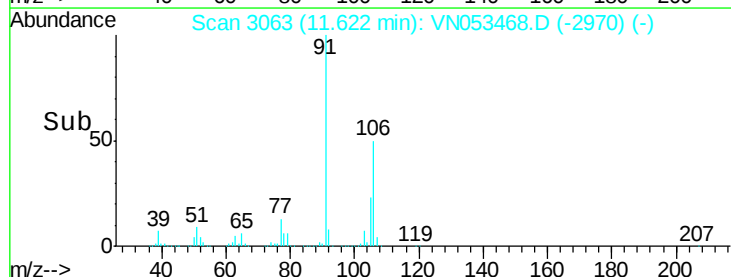
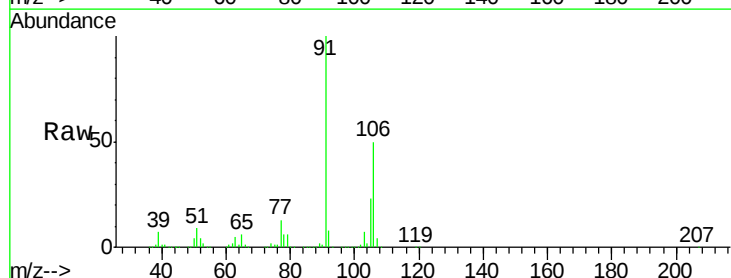
Manual Integrations
APPROVED

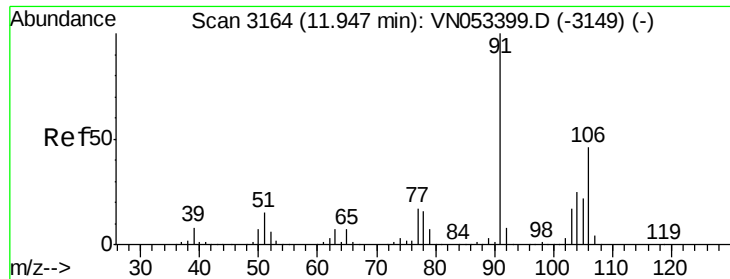
MMDadoda
1/21/2019 10:48:06 AM



#68
m/p-Xylenes
Concen: 107.035 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 106 Resp: 1671635
Ion Ratio Lower Upper
106 100
91 201.3 161.4 242.2





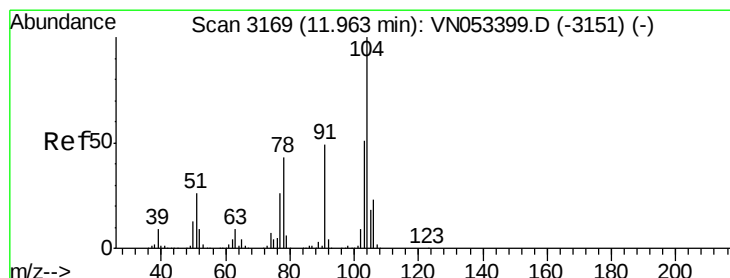
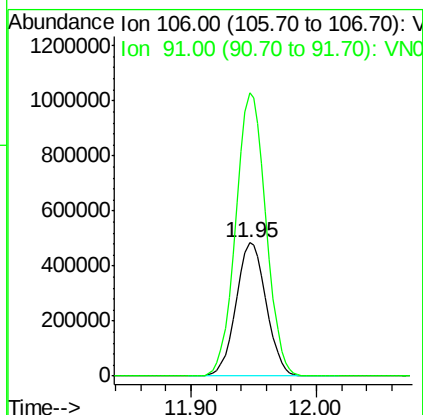
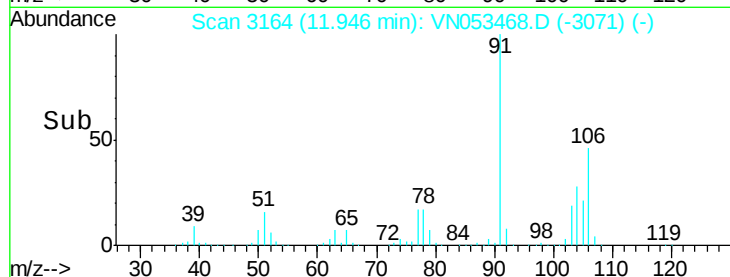
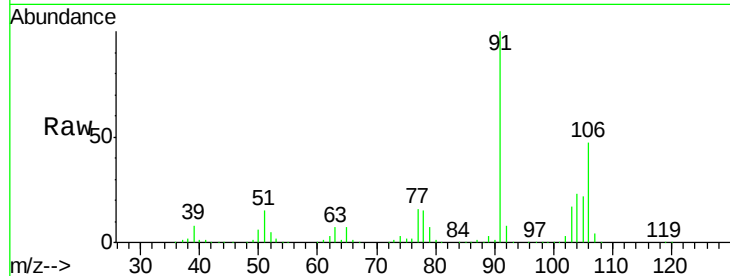
#69
o-Xylene
Concen: 53.224 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 807697
Ion Ratio Lower Upper
106 100
91 212.0 106.9 320.8

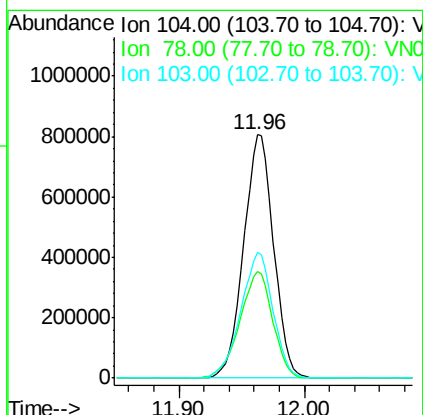
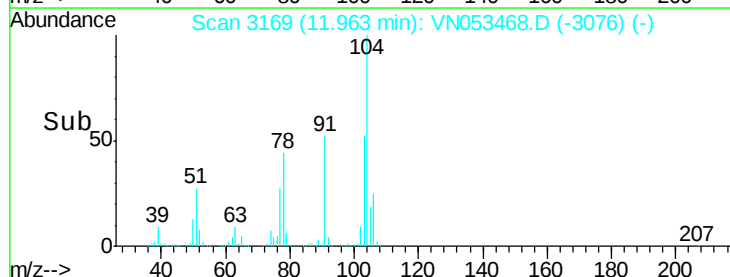
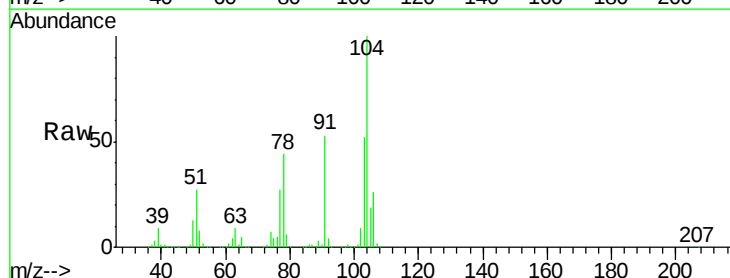
Manual Integrations
APPROVED

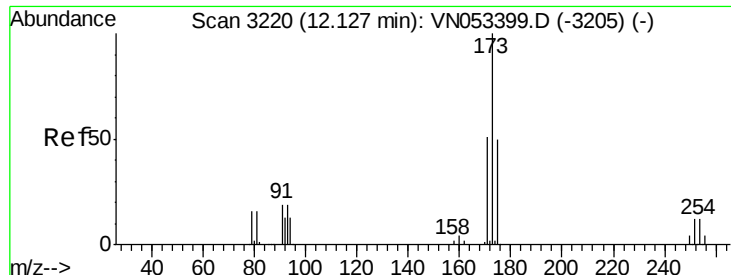
MMDadoda
1/21/2019 10:48:06 AM



#70
Styrene
Concen: 54.377 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion:104 Resp: 1339269
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.4 44.4 66.6





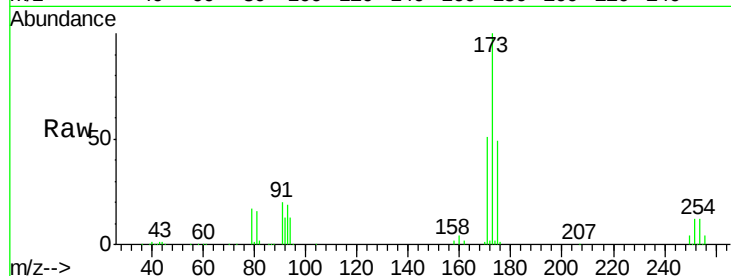
#71
Bromoform
Concen: 54.757 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

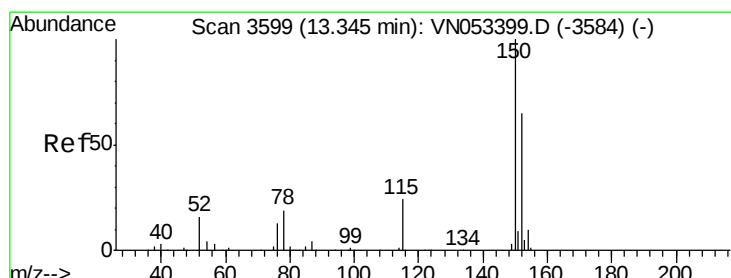
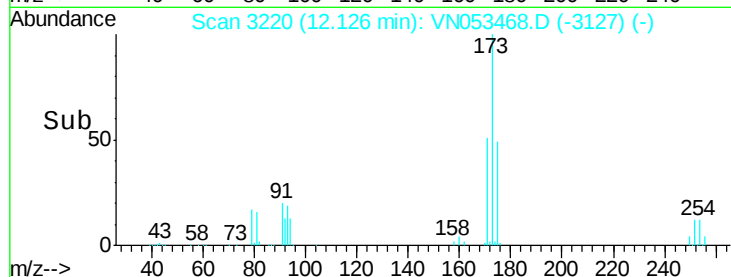
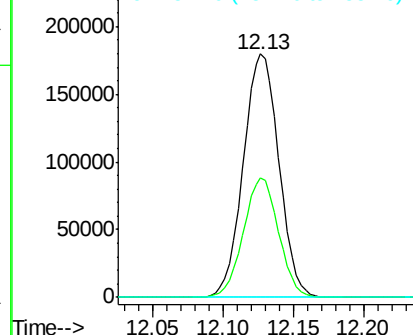
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:48:06 AM

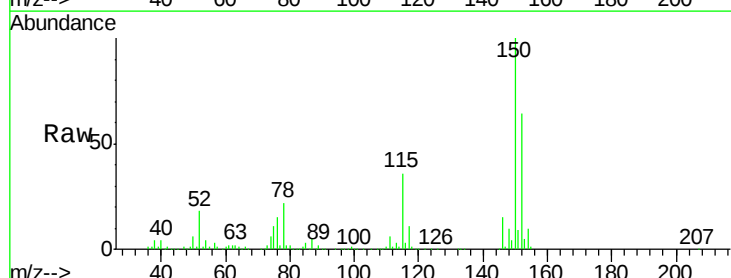


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

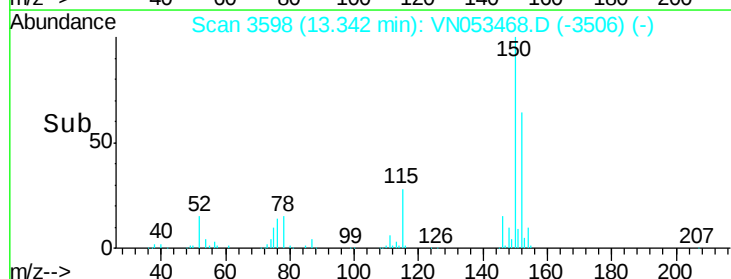
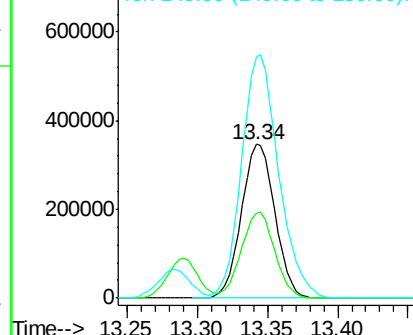


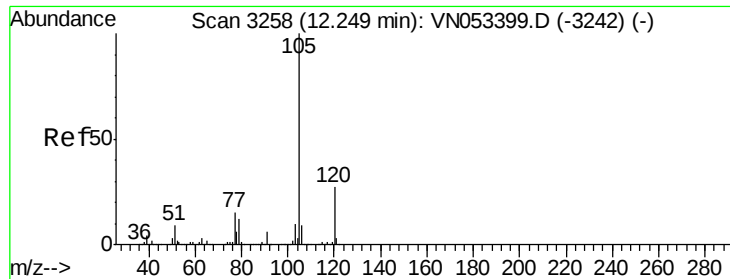
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	174.4	0.0	349.0



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: 51.623 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2182628

Ion Ratio Lower Upper

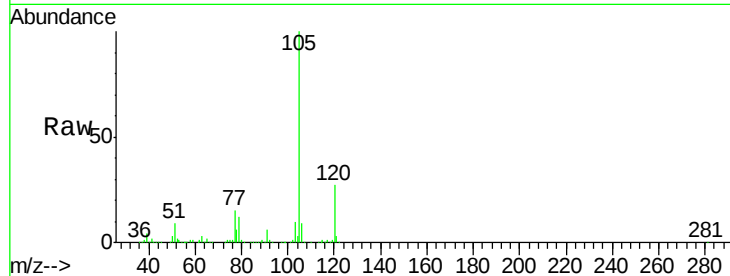
105 100

120 26.9 13.6 40.7

Manual Integrations
APPROVED

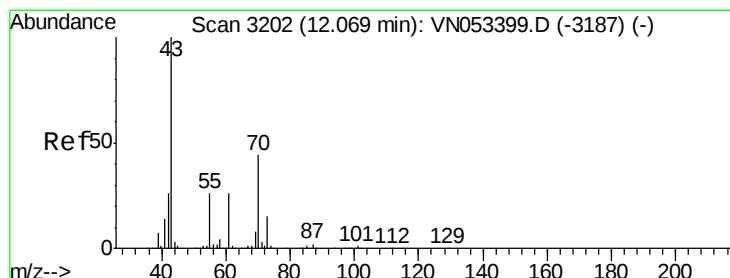
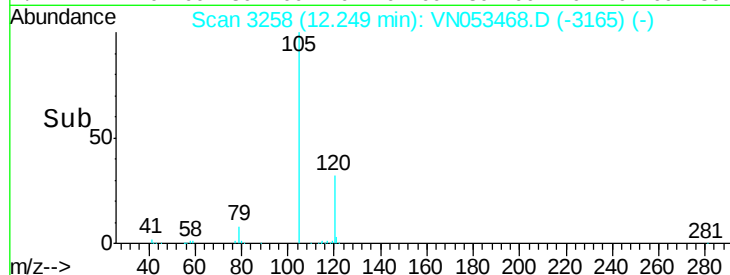
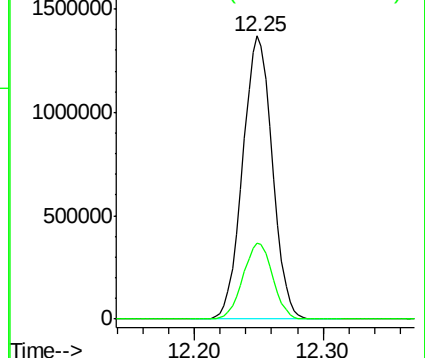
MMDadoda

1/21/2019 10:48:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.866 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion: 43 Resp: 595847

Ion Ratio Lower Upper

43 100

70 44.5 35.4 53.2

55 25.9 20.9 31.3

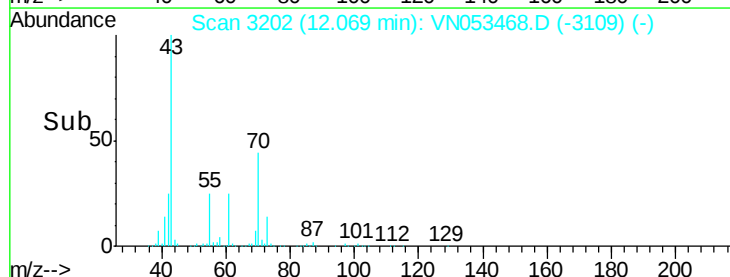
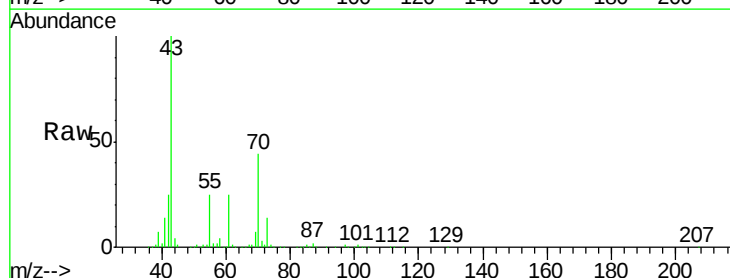
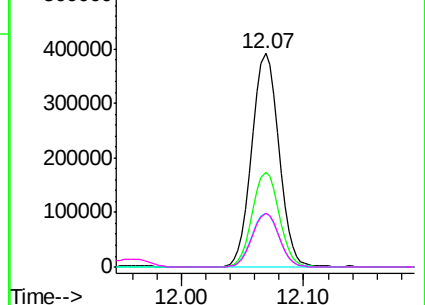
61 25.2 20.5 30.7

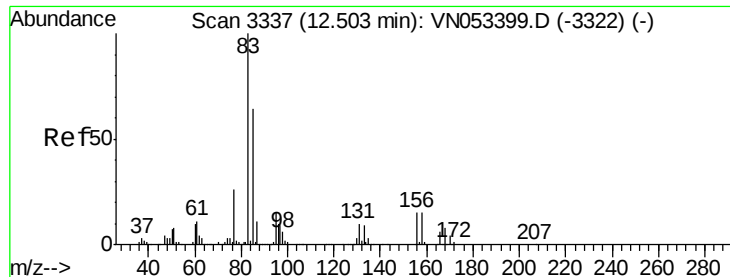
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.778 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

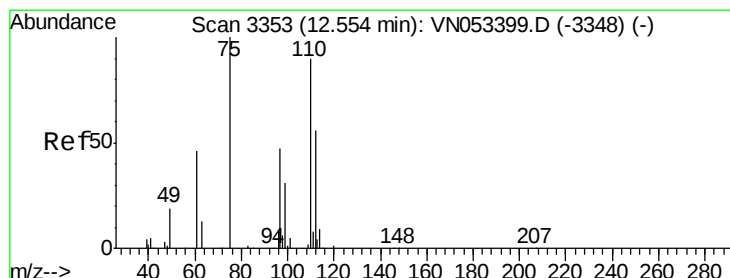
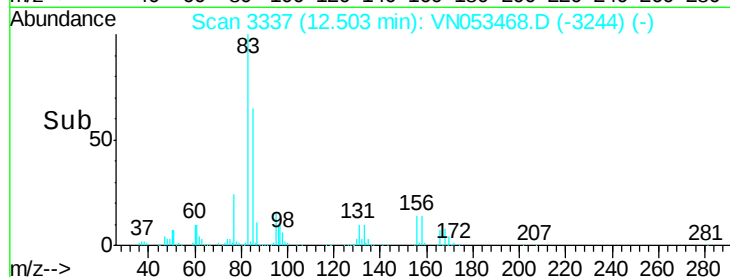
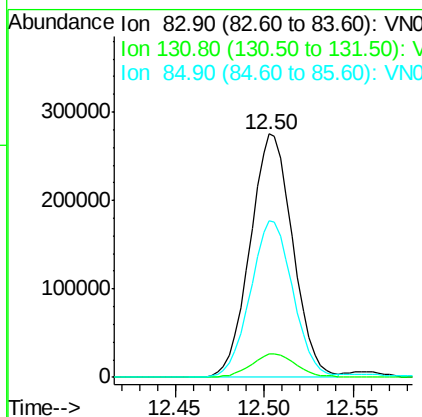
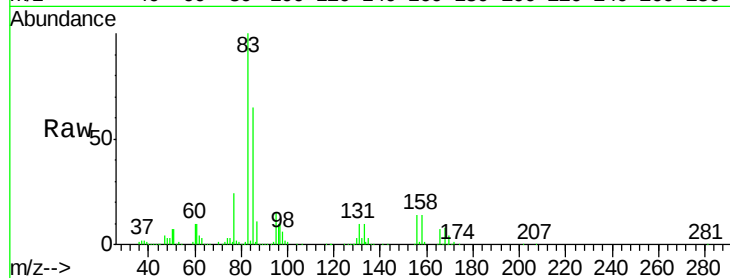
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	459132
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	64.4	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:48:06 AM



#76

1,2,3-Trichloropropane

Concen: 52.944 ug/l m

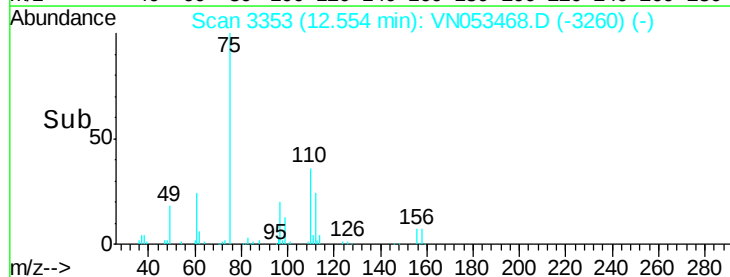
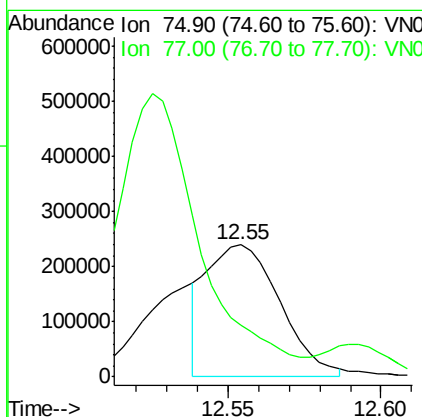
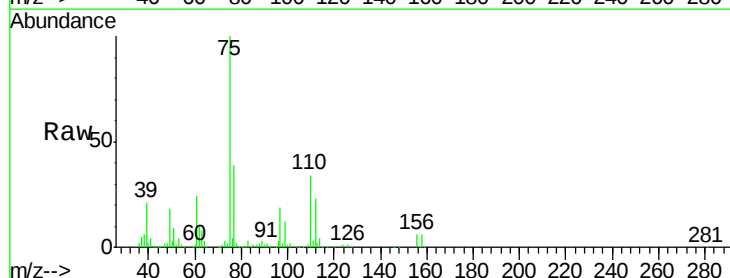
RT: 12.55 min Scan# 3353

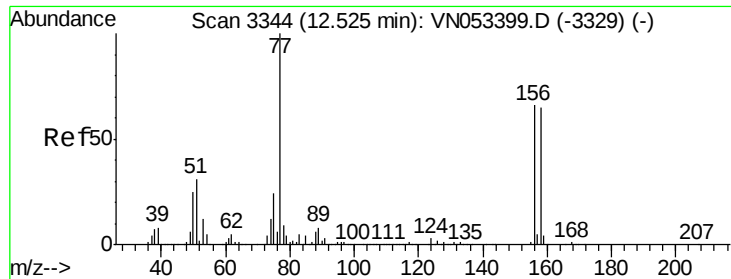
Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion:	75	Resp:	402821
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





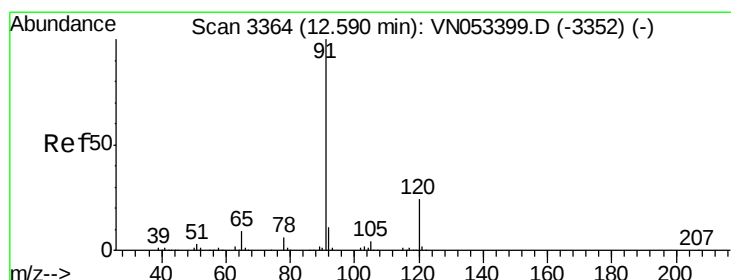
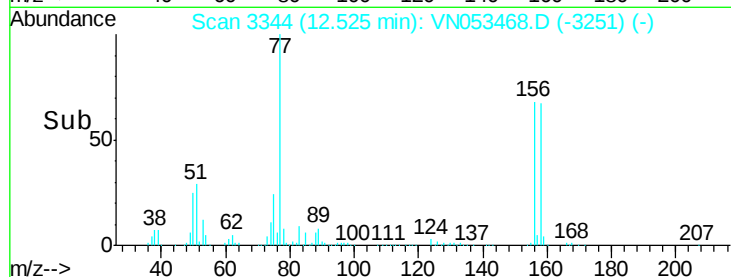
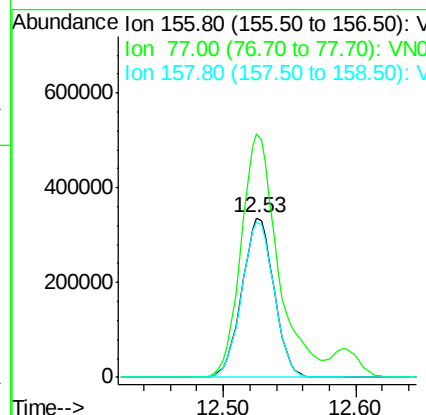
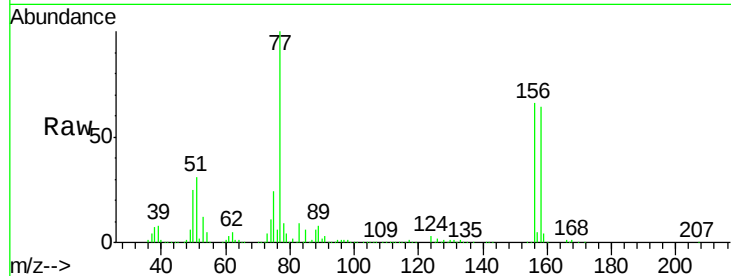
#77
Bromobenzene
Concen: 50.562 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.7	87.9	263.8
158	98.5	48.8	146.4

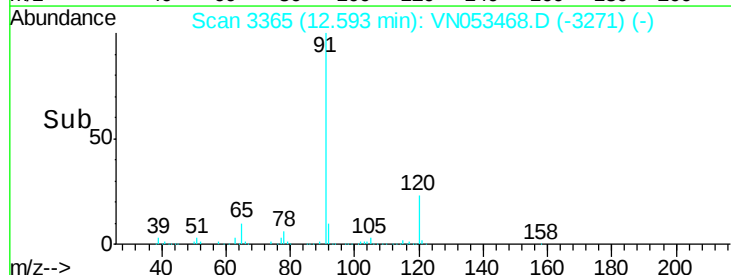
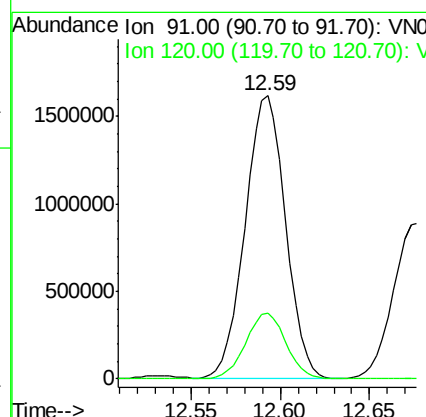
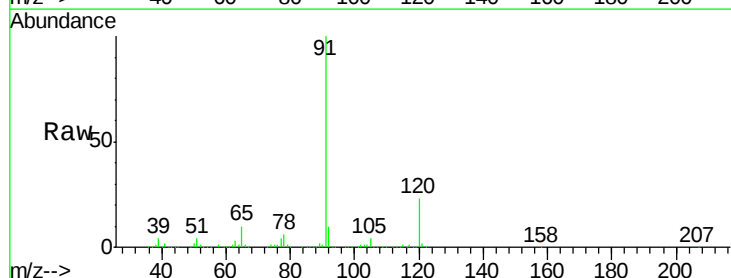
Manual Integrations
APPROVED

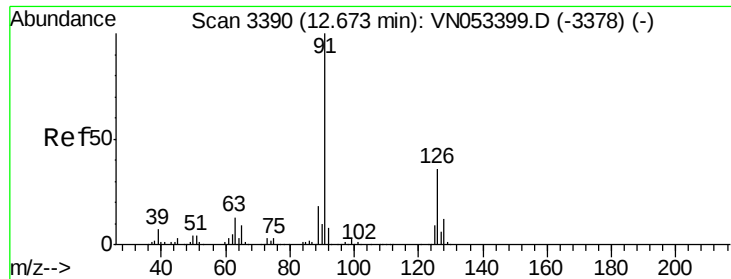
MMDadoda
1/21/2019 10:48:06 AM



#78
n-propylbenzene
Concen: 52.504 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.830 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1462245

Ion Ratio Lower Upper

91 100

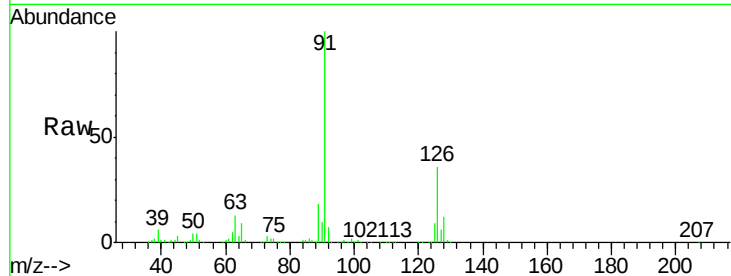
126 35.8 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

1/21/2019 10:48:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)

1500000

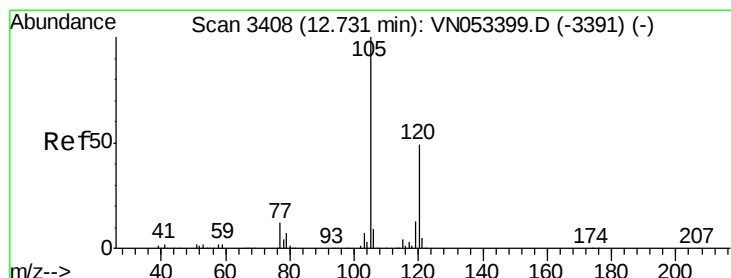
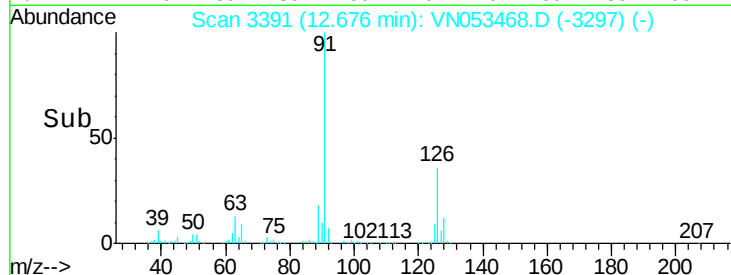
1000000

500000

0

12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.903 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053468.D

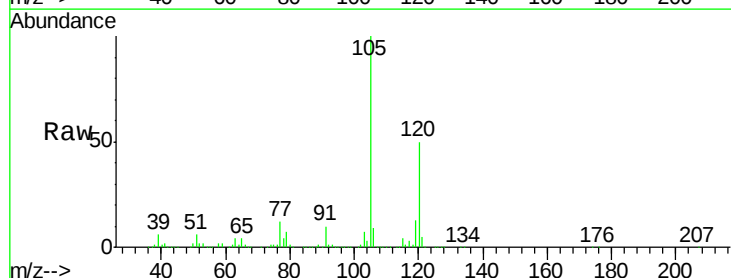
Acq: 18 Jan 2019 13:12

Tgt Ion: 105 Resp: 1785481

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)

1200000

1000000

800000

600000

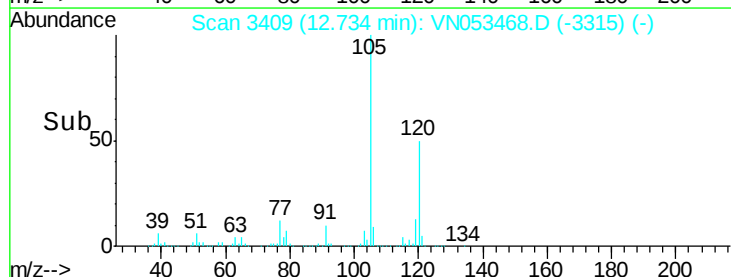
400000

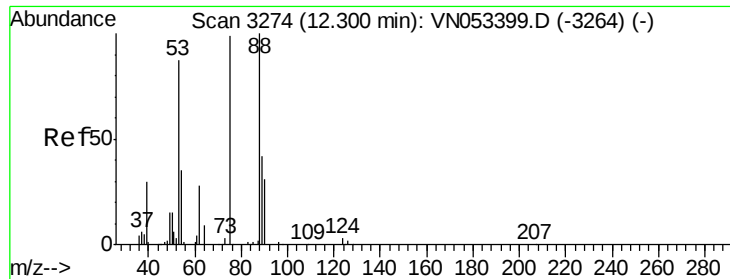
200000

0

12.73

Time-->





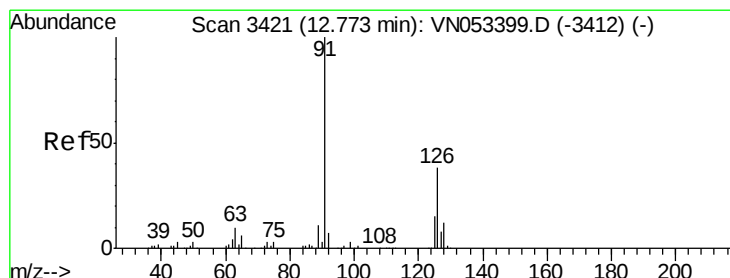
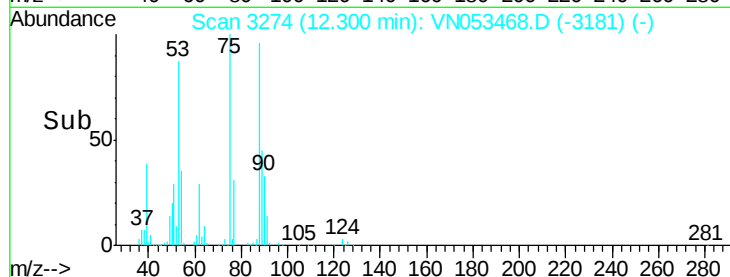
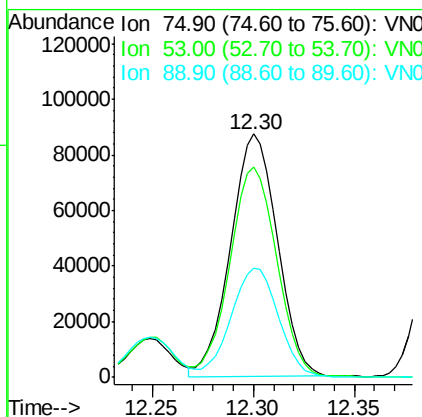
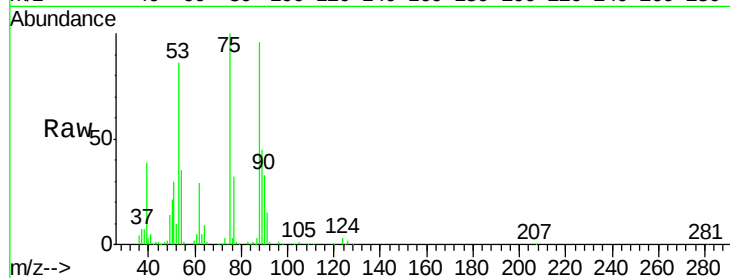
#81
trans-1,4-Dichloro-2-butene
Concen: 47.305 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	69.8	104.6
89	45.9	35.6	53.4

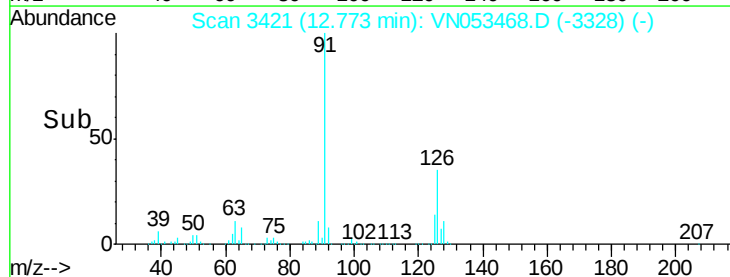
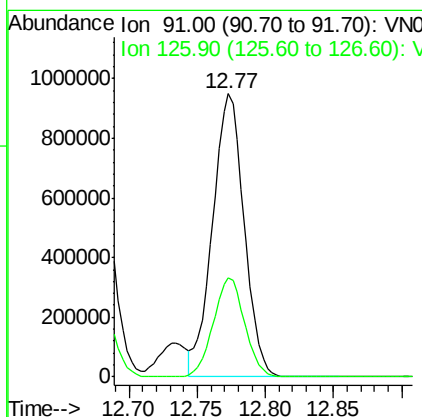
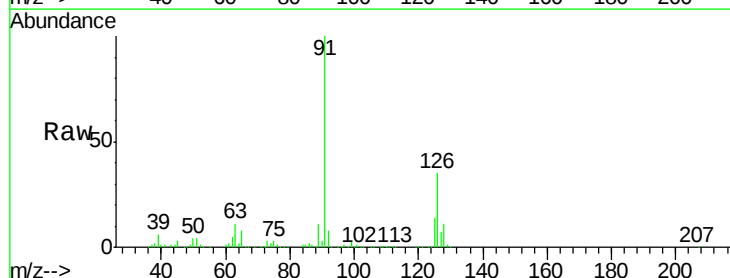
Manual Integrations
APPROVED

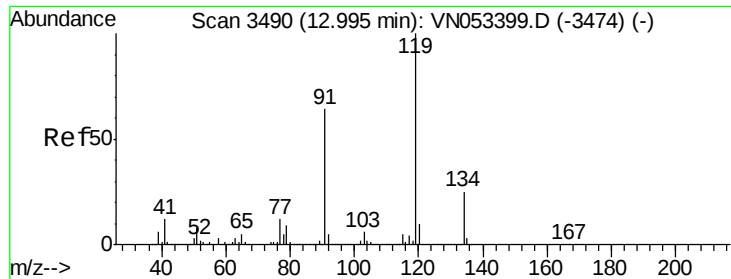
MMDadoda
1/21/2019 10:48:06 AM



#82
4-Chlorotoluene
Concen: 51.714 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.6	52.9





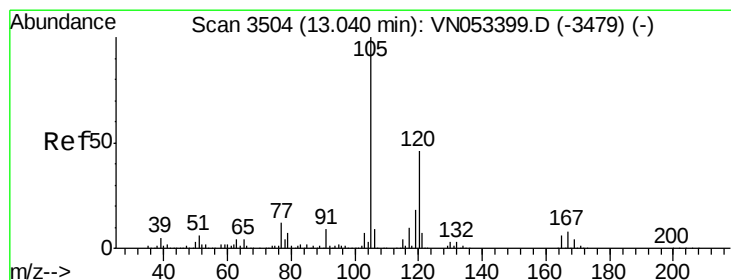
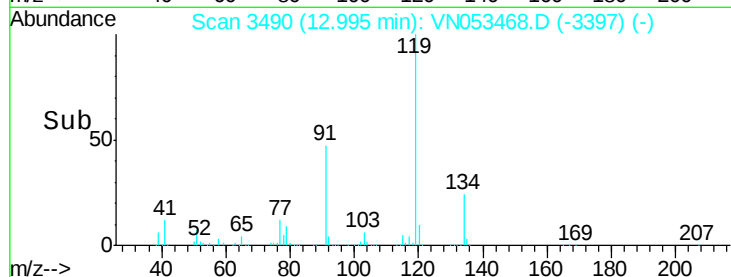
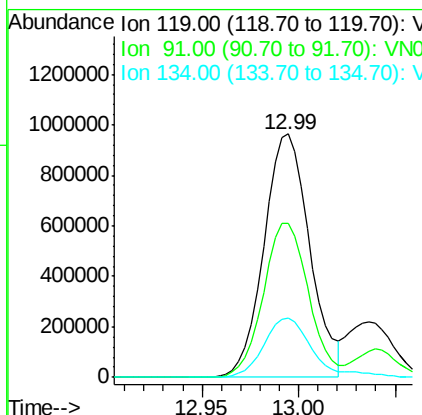
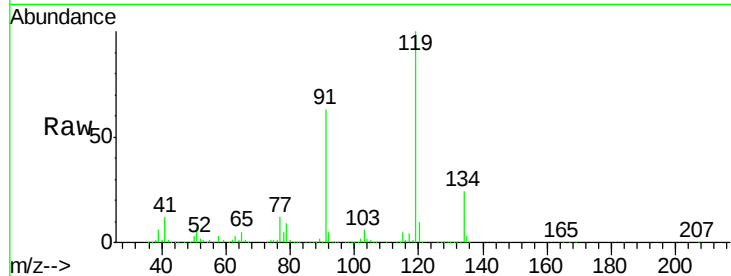
#83
tert-Butylbenzene
Concen: 52.321 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.3	93.8
134	25.7	12.9	38.7

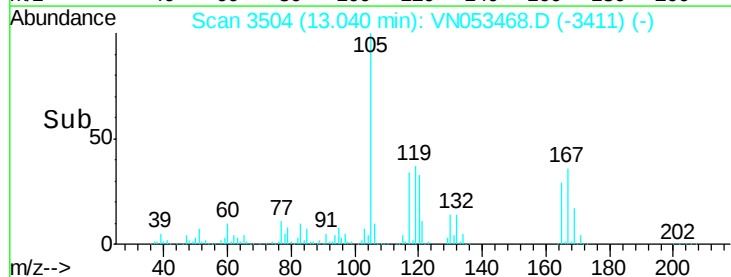
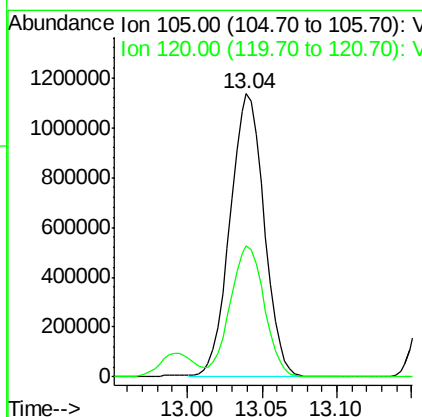
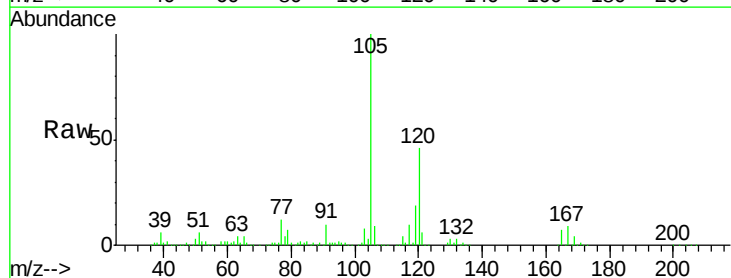
Manual Integrations
APPROVED

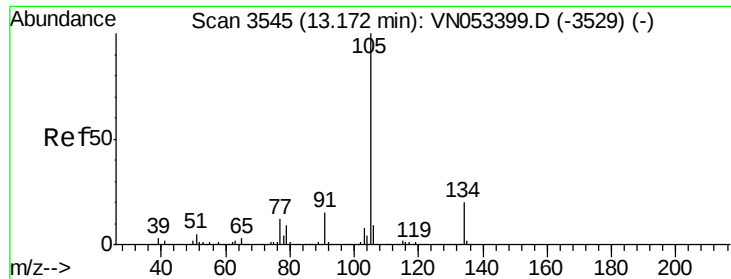
MMDadoda
1/21/2019 10:48:06 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.899 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.0	69.0





#85

sec-Butylbenzene

Concen: 52.961 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2206830

Ion Ratio Lower Upper

105 100

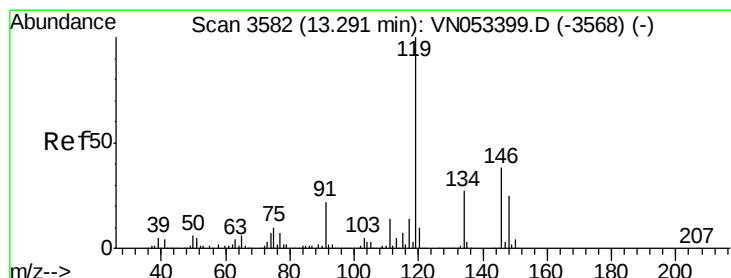
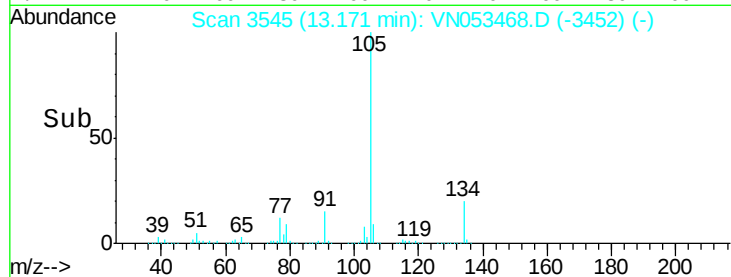
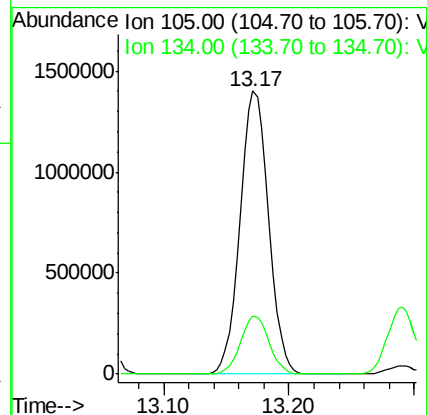
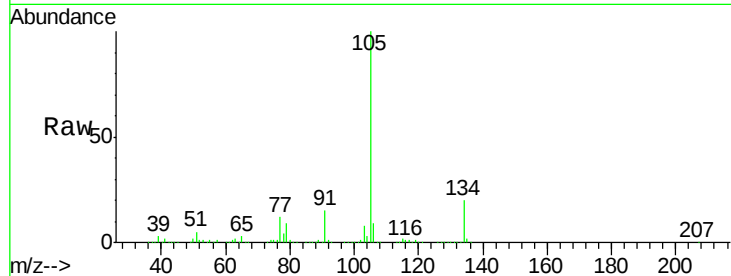
134 20.4 10.2 30.6

Manual Integrations

APPROVED

MMDadoda

1/21/2019 10:48:06 AM



#86

p-Isopropyltoluene

Concen: 53.493 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

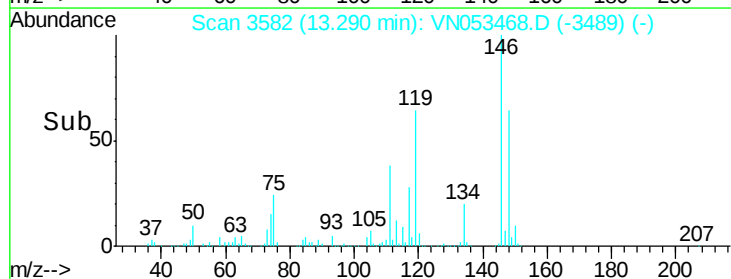
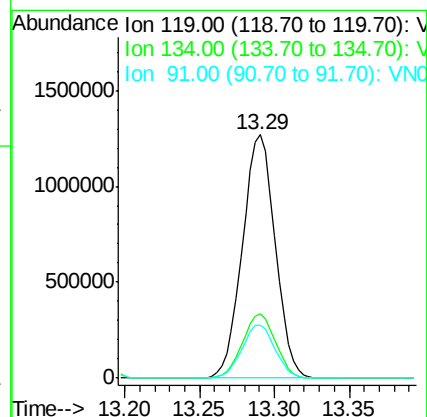
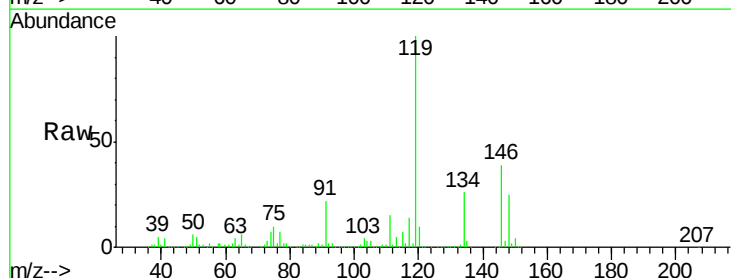
Tgt Ion:119 Resp: 1935389

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 52.073 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

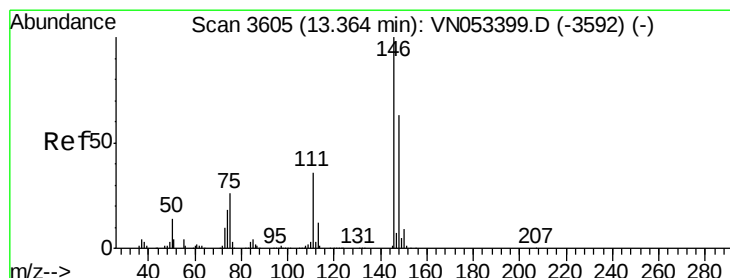
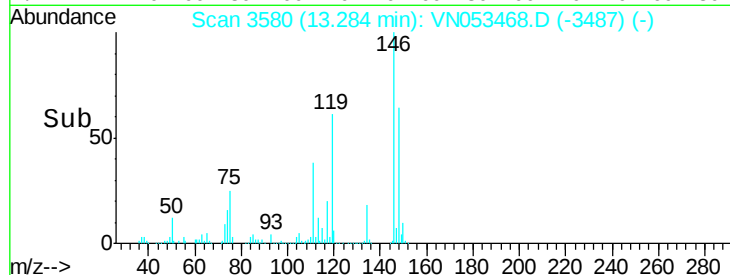
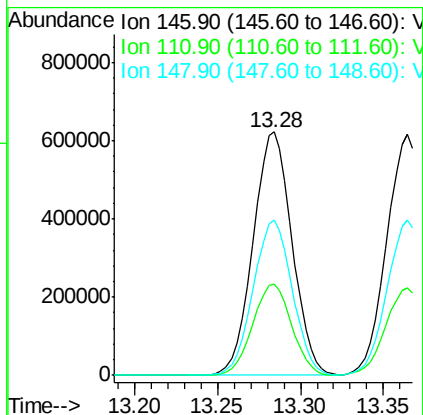
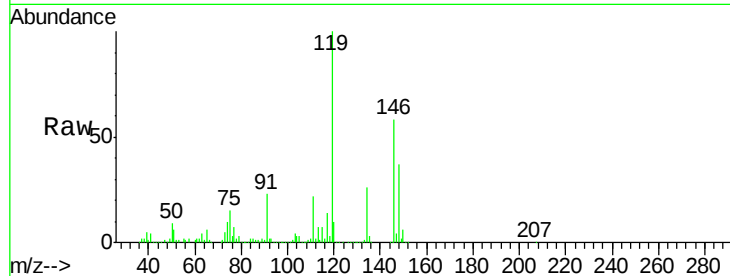
VSTDCCC050

Tot Ion:146 Resp: 1020490

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	64.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:48:06 AM



#88

1,4-Dichlorobenzene

Concen: 51.289 ug/l

RT: 13.36 min Scan# 3605

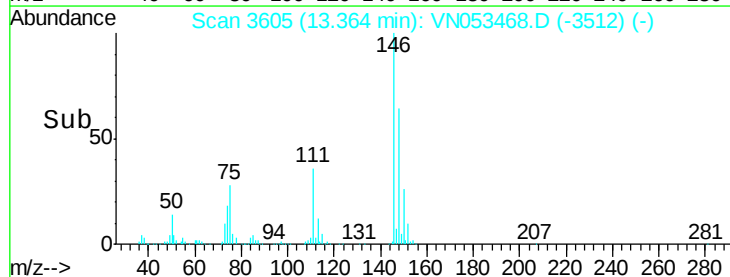
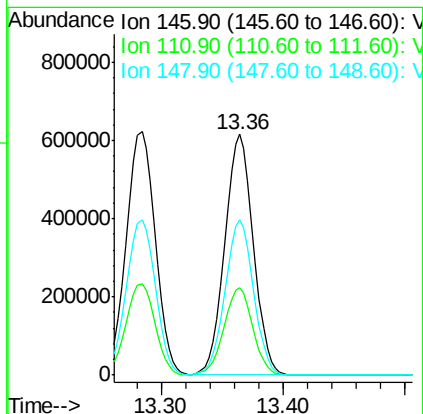
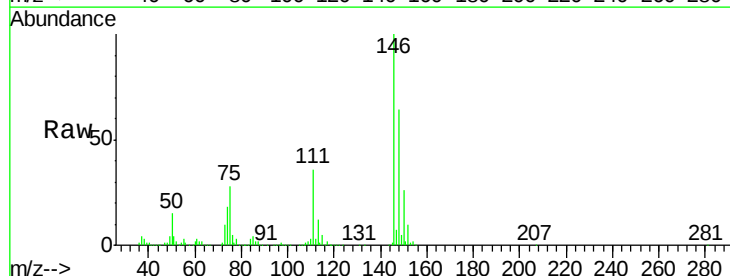
Delta R.T. -0.00 min

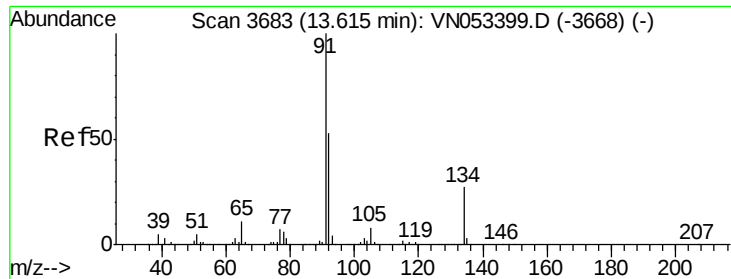
Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion:146 Resp: 1008242

Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.8
148	64.2	32.4	97.0





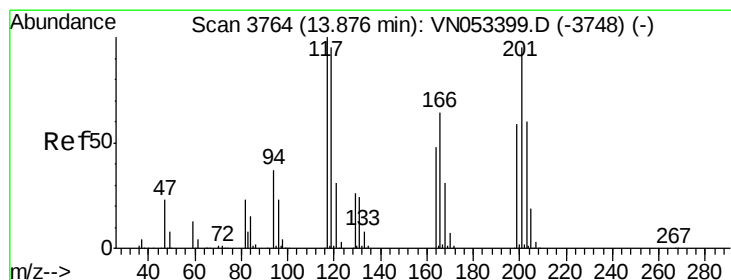
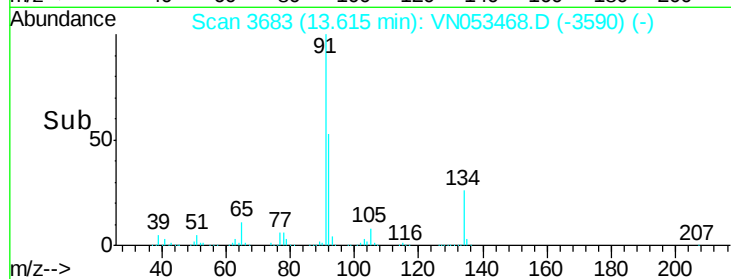
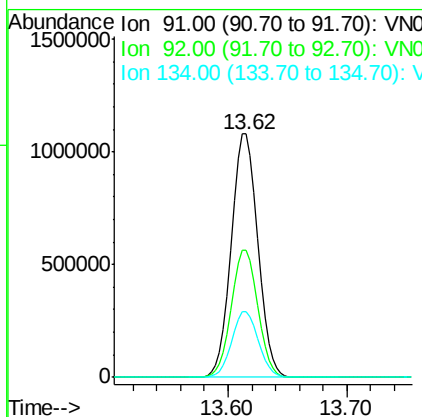
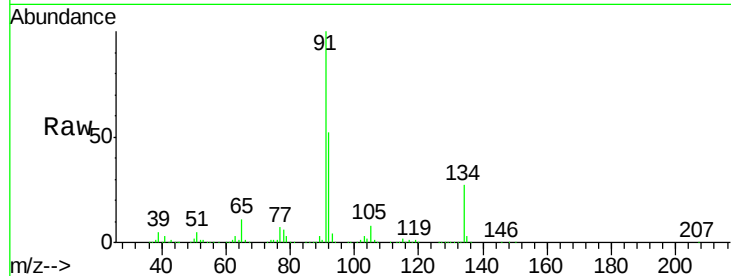
#89
n-Butylbenzene
Concen: 54.156 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1670205
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 27.0 13.5 40.5

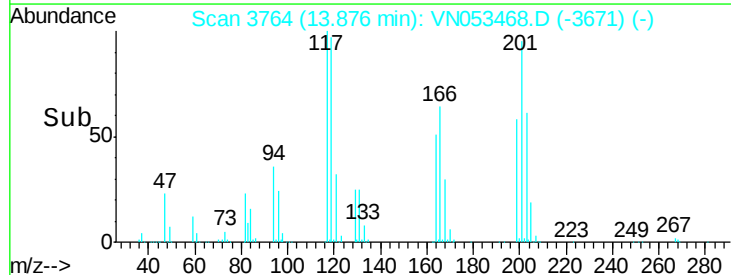
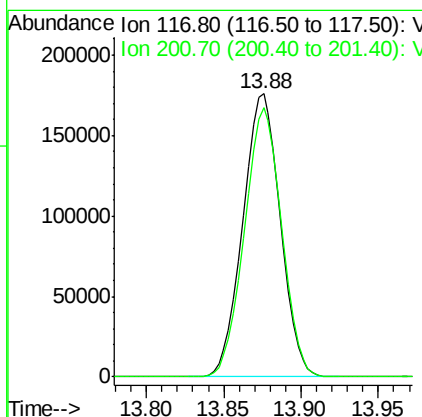
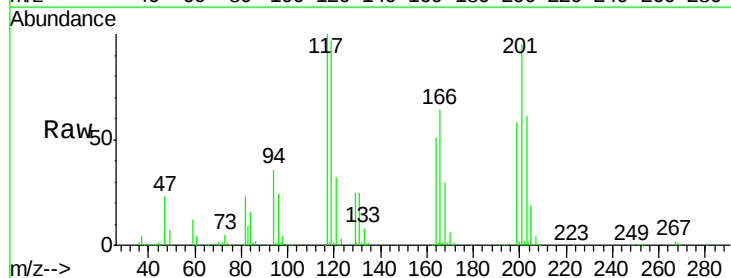
Manual Integrations
APPROVED

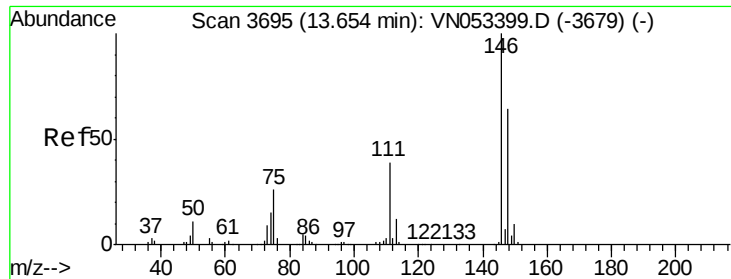
MMDadoda
1/21/2019 10:48:06 AM



#90
Hexachloroethane
Concen: 52.417 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 117 Resp: 297429
Ion Ratio Lower Upper
117 100
201 94.0 46.8 140.4





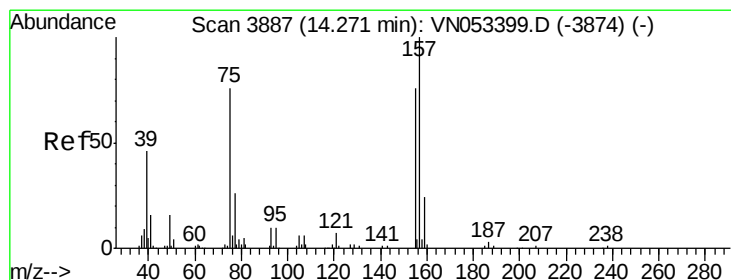
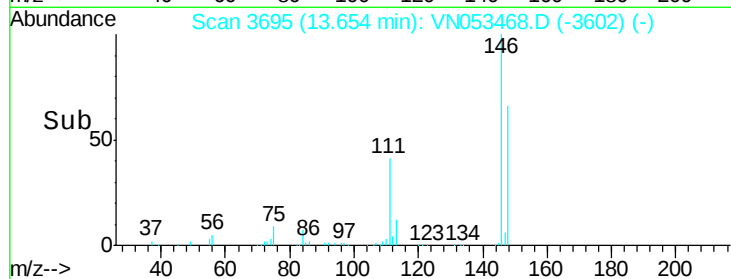
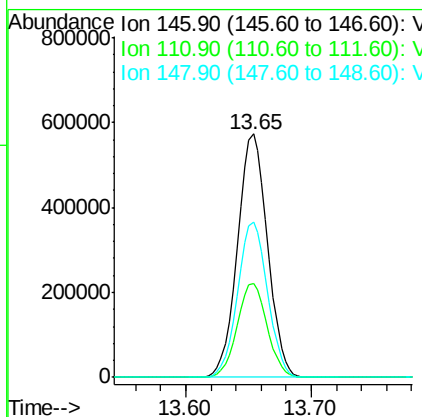
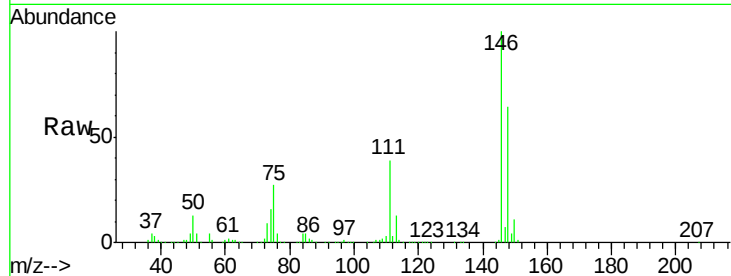
#91
 1,2-Dichlorobenzene
 Concen: 52.582 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	63.9	31.9	95.9

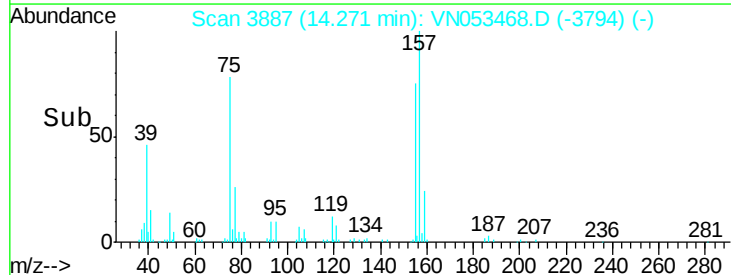
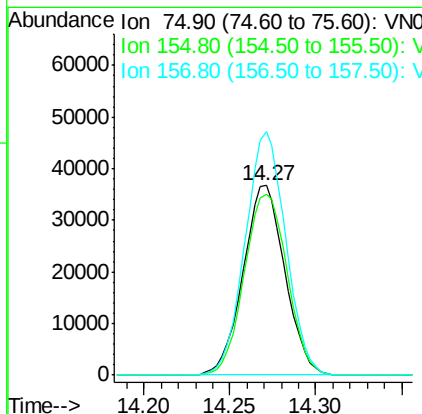
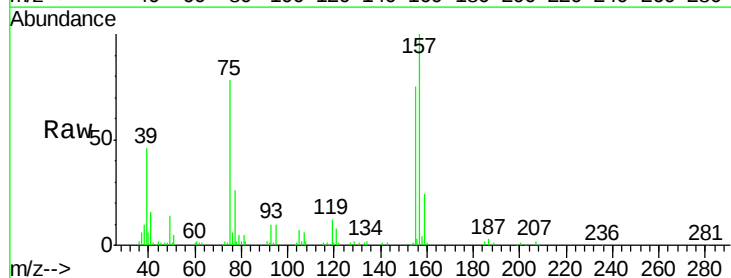
Manual Integrations
 APPROVED

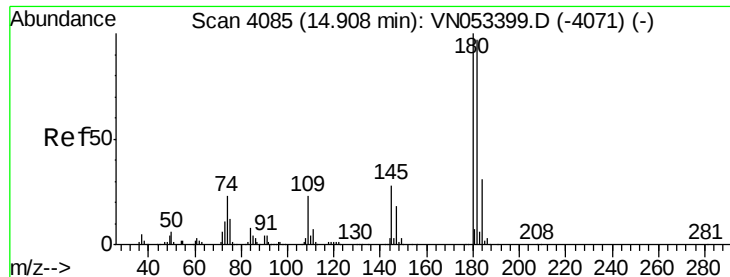
MMDadoda
 1/21/2019 10:48:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.072 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	48.9	146.7
157	124.6	63.7	191.3





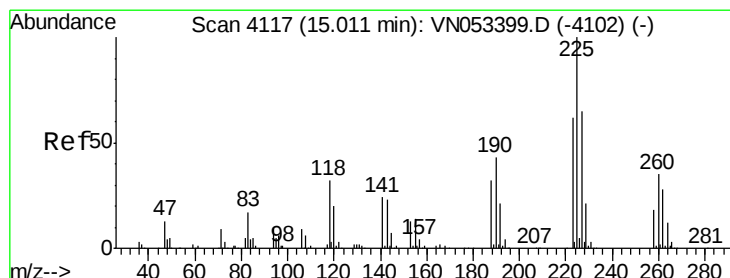
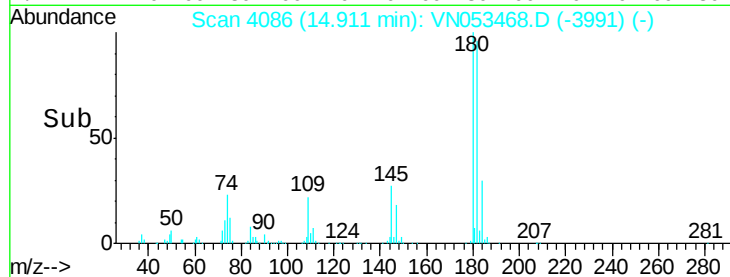
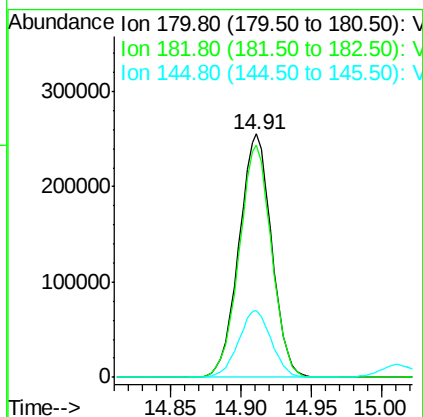
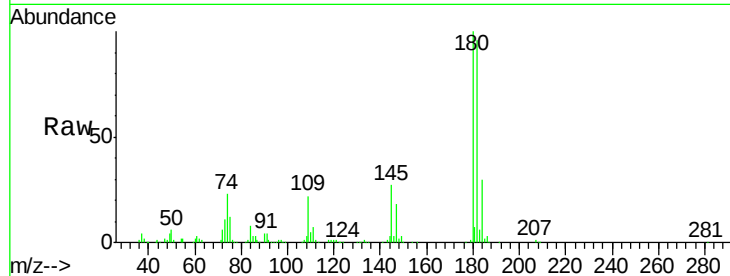
#93
 1,2,4-Trichlorobenzene
 Concen: 51.847 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	413307		
182	94.7	48.1	144.3	
145	27.6	13.9	41.6	

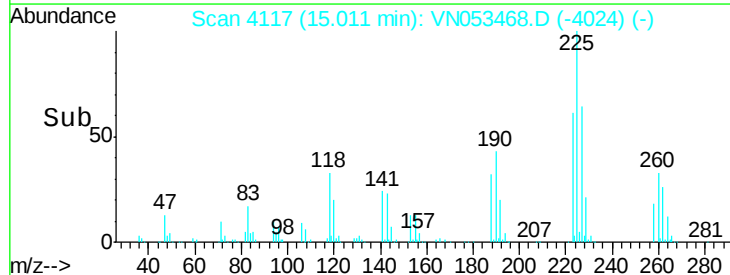
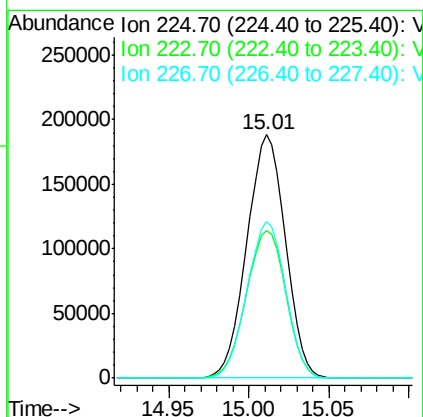
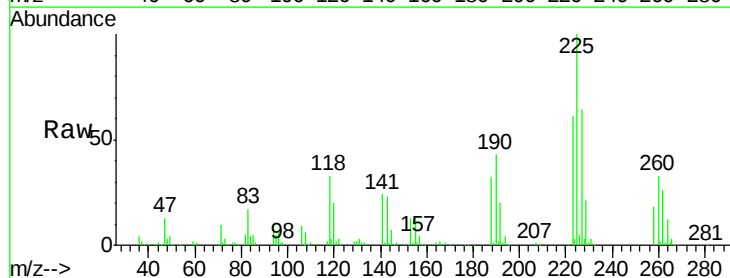
Manual Integrations
 APPROVED

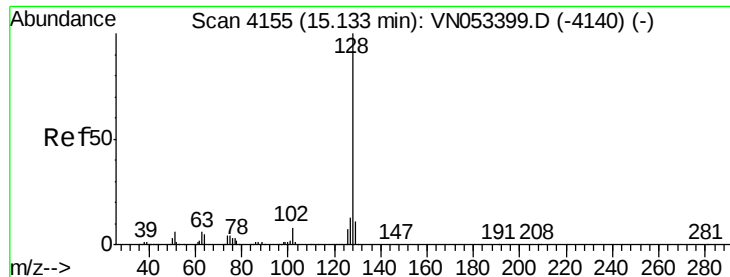
MMDadoda
 1/21/2019 10:48:06 AM



#94
 Hexachlorobutadiene
 Concen: 55.208 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	310506		
223	62.5	31.1	93.2	
227	64.5	32.0	96.2	





#95

Naphthalene

Concen: 49.110 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

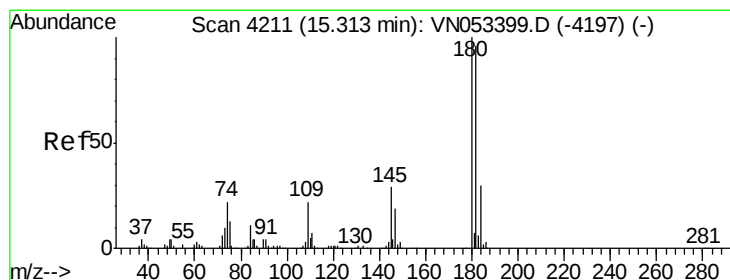
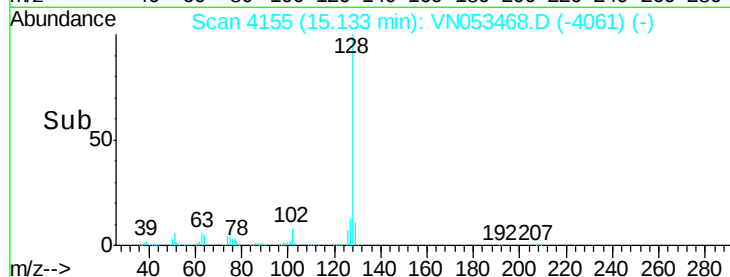
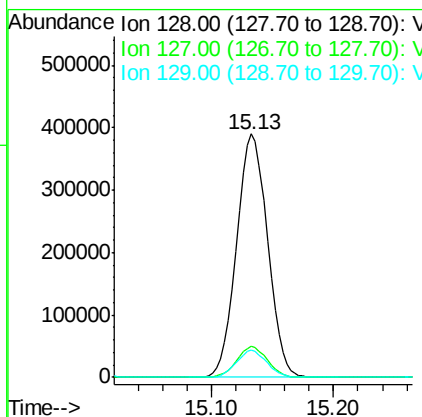
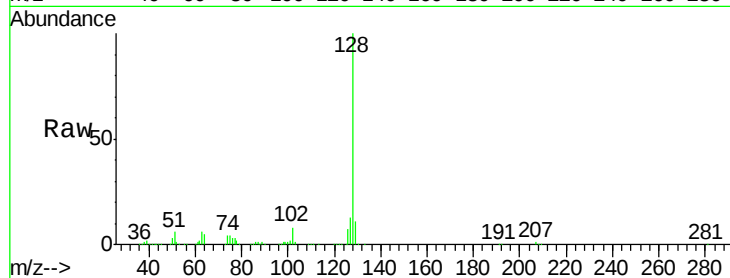
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	684377
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:48:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.299 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion:	180	Resp:	305562
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.9	143.8
145	29.4	14.7	44.1

