

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
 Data File : VN056619.D
 Acq On : 8 Jul 2019 19:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 9:46:54 AM

Quant Time: Jul 09 04:51:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	295838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	454177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	406900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189214	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	161319	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	142103	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.09	98	522002	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	12.40	95	185831	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	107436	42.889	ug/l	98
3) Chloromethane	2.06	50	142203	41.691	ug/l	99
4) Vinyl Chloride	2.18	62	143494	43.558	ug/l	99
5) Bromomethane	2.52	94	79326m	41.074	ug/l	
6) Chloroethane	2.68	64	85536	44.835	ug/l	99
7) Trichlorofluoromethane	3.00	101	196566	46.127	ug/l	98
8) Diethyl Ether	3.41	74	84865	47.056	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	126559	46.571	ug/l	99
10) Methyl Iodide	3.95	142	159509	43.428	ug/l	100
11) Tert butyl alcohol	4.80	59	140506	254.432	ug/l	98
12) 1,1-Dichloroethene	3.73	96	120709	46.189	ug/l	98
13) Acrolein	3.60	56	54818	117.779	ug/l	98
14) Allyl chloride	4.32	41	218496	50.225	ug/l	98
15) Acrylonitrile	4.99	53	405215	265.236	ug/l	99
16) Acetone	3.82	43	321603	195.774	ug/l	99
17) Carbon Disulfide	4.05	76	239042	40.215	ug/l	99
18) Methyl Acetate	4.32	43	180398	56.176	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	438495	50.707	ug/l	99
20) Methylene Chloride	4.55	84	149076	48.106	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	128834	45.725	ug/l	98
22) Diisopropyl ether	5.95	45	475347	52.028	ug/l	97
23) Vinyl Acetate	5.90	43	1953151	271.042	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261894	49.937	ug/l	99
25) 2-Butanone	6.84	43	536840	246.919	ug/l	99
26) 2,2-Dichloropropane	6.83	77	178735	49.001	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	160680	48.743	ug/l	99
28) Bromochloromethane	7.19	49	126382	48.719	ug/l	99
29) Tetrahydrofuran	7.21	42	363039	273.242	ug/l	98
30) Chloroform	7.37	83	258299	49.912	ug/l	99
31) Cyclohexane	7.65	56	218219	43.100	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	207802	50.658	ug/l	99
36) 1,1-Dichloropropene	7.79	75	182845	45.739	ug/l	100
37) Ethyl Acetate	6.93	43	212789	54.164	ug/l	99
38) Carbon Tetrachloride	7.77	117	172333	49.297	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
 Data File : VN056619.D
 Acq On : 8 Jul 2019 19:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 9:46:54 AM

Quant Time: Jul 09 04:51:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215123	43.612	ug/l	99
40) Benzene	8.04	78	577983	47.004	ug/l	98
41) Methacrylonitrile	7.17	41	90271	52.036	ug/l	98
42) 1,2-Dichloroethane	8.12	62	193253	47.621	ug/l	99
43) Isopropyl Acetate	8.17	43	342233	56.495	ug/l	98
44) Trichloroethene	8.83	130	155159	46.842	ug/l	99
45) 1,2-Dichloropropane	9.12	63	162245	49.337	ug/l	99
46) Dibromomethane	9.21	93	101931	49.543	ug/l	98
47) Bromodichloromethane	9.40	83	195426	53.556	ug/l	97
48) Methyl methacrylate	9.20	41	158525	52.221	ug/l	100
49) 1,4-Dioxane	9.20	88	68846	1092.850	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1089700	278.703	ug/l	99
52) Toluene	10.16	92	356941	47.479	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	209686	49.376	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	235007	53.481	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	152277	50.392	ug/l	99
56) Ethyl methacrylate	10.43	69	240952	54.561	ug/l	99
57) 1,3-Dichloropropane	10.71	76	255441	50.318	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	593959	374.376	ug/l	99
59) 2-Hexanone	10.75	43	784475	272.989	ug/l	99
60) Dibromochloromethane	10.90	129	154657	49.802	ug/l	99
61) 1,2-Dibromoethane	11.00	107	157402	51.000	ug/l	100
64) Tetrachloroethene	10.63	164	142201	44.130	ug/l	98
65) Chlorobenzene	11.43	112	386582	47.282	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	146872	53.151	ug/l	99
67) Ethyl Benzene	11.51	91	684027	47.647	ug/l	100
68) m/p-Xylenes	11.62	106	512310	97.376	ug/l	98
69) o-Xylene	11.95	106	250699	48.164	ug/l	99
70) Styrene	11.96	104	432132	51.940	ug/l	99
71) Bromoform	12.13	173	113065	50.674	ug/l #	99
73) Isopropylbenzene	12.25	105	676327	47.452	ug/l	99
74) N-amyl acetate	12.07	43	277812	46.134	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	232644	53.065	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	185061m	47.169	ug/l	
77) Bromobenzene	12.53	156	179949	42.533	ug/l	97
78) n-propylbenzene	12.59	91	759041	43.806	ug/l	99
79) 2-Chlorotoluene	12.67	91	454509	47.721	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	567483	47.545	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64233	58.188	ug/l	92
82) 4-Chlorotoluene	12.77	91	452938	44.272	ug/l	99
83) tert-Butylbenzene	12.99	119	491570	47.221	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	565526	44.397	ug/l	100
85) sec-Butylbenzene	13.17	105	650727	42.727	ug/l	100
86) p-Isopropyltoluene	13.29	119	591507	45.256	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	298412	46.542	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	291986	47.022	ug/l	100
89) n-Butylbenzene	13.61	91	492601	49.785	ug/l	100
90) Hexachloroethane	13.87	117	91978	45.138	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	305073	47.958	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41818	59.730	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
Data File : VN056619.D
Acq On : 8 Jul 2019 19:01
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

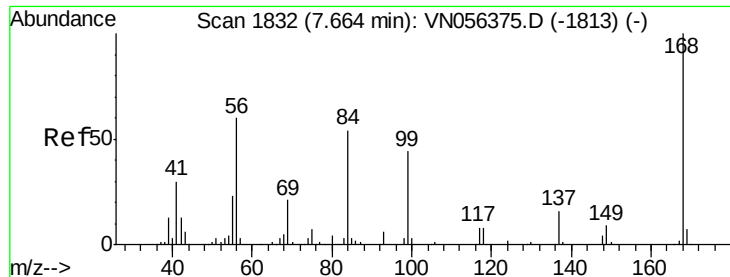
Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:54 AM

Quant Time: Jul 09 04:51:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	169663	51.079	ug/l	99
94) Hexachlorobutadiene	15.01	225	102211	47.312	ug/l	100
95) Naphthalene	15.13	128	483358	55.218	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	176010	51.163	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 295838

Ion Ratio Lower Upper

168 100

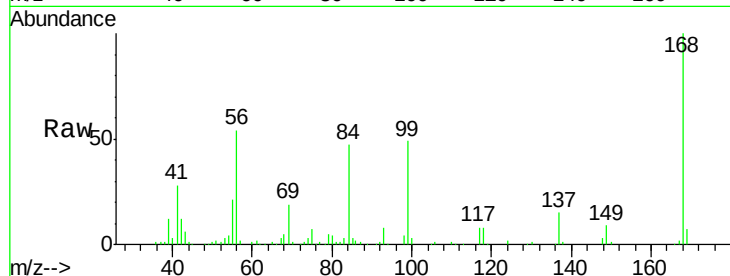
99 49.1 40.6 61.0

Manual Integrations

APPROVED

MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

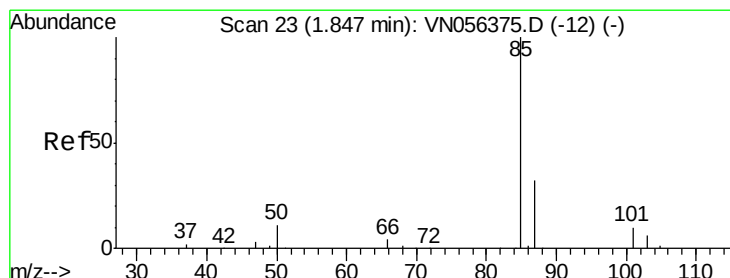
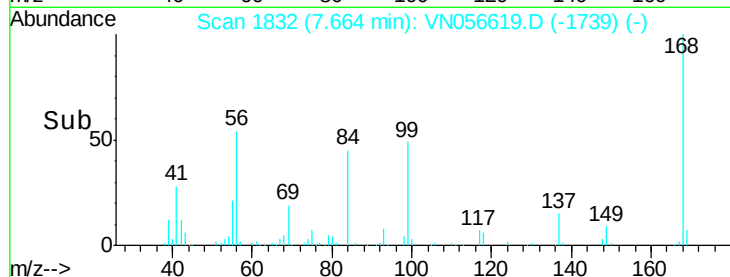
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.889 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056619.D

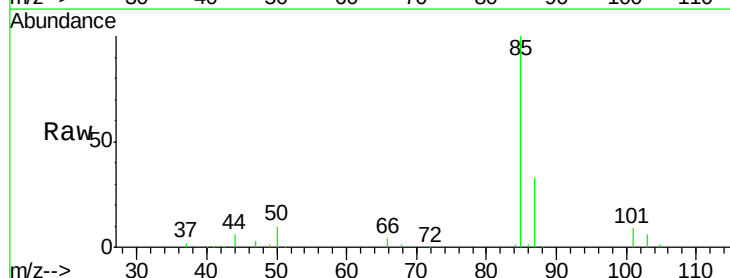
Acq: 8 Jul 2019 19:01

Tgt Ion: 85 Resp: 107436

Ion Ratio Lower Upper

85 100

87 33.3 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

80000

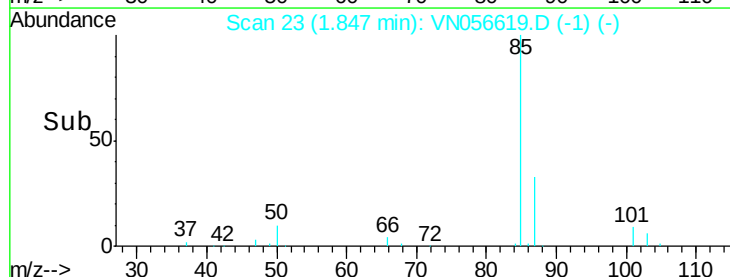
60000

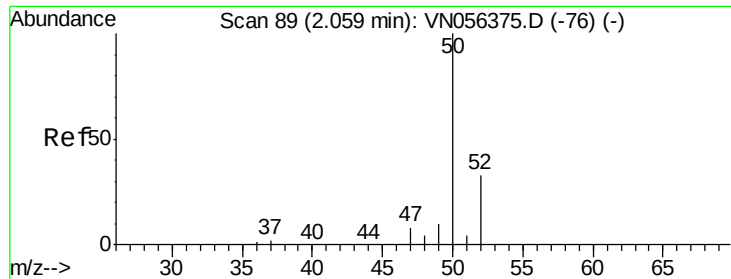
40000

20000

0

Time-->





#3

Chloromethane

Concen: 41.691 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 142203

Ion Ratio Lower Upper

50 100

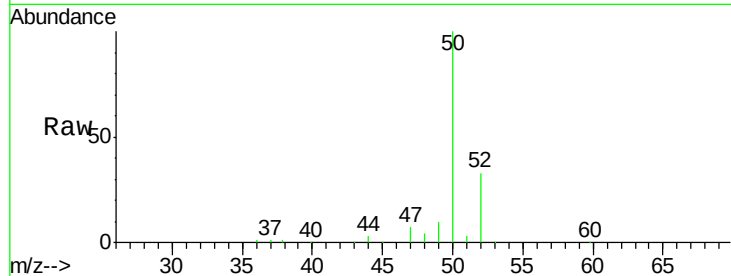
52 33.4 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

100000

80000

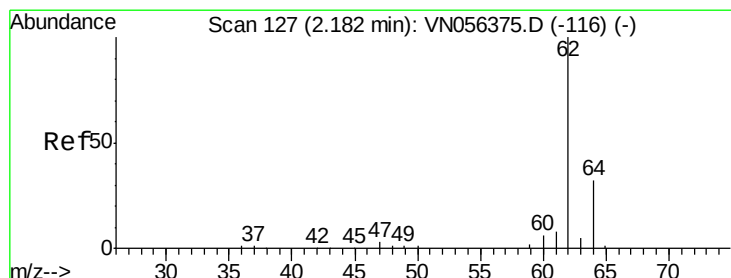
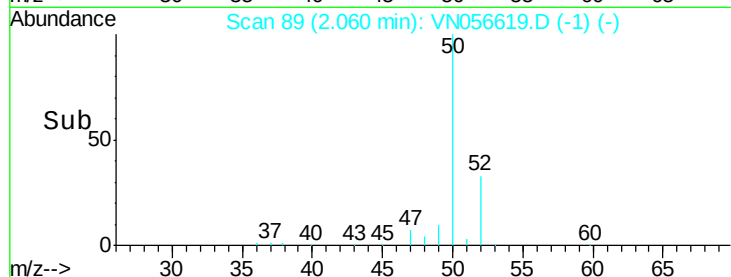
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 43.558 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056619.D

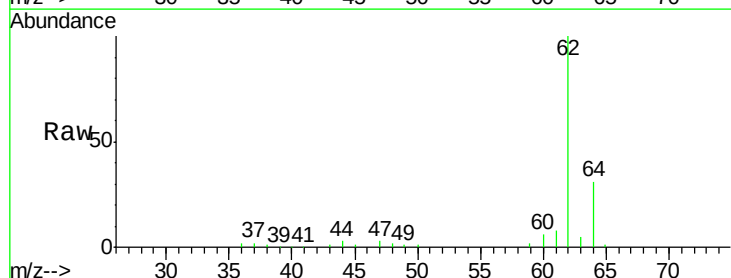
Acq: 8 Jul 2019 19:01

Tgt Ion: 62 Resp: 143494

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

100000

80000

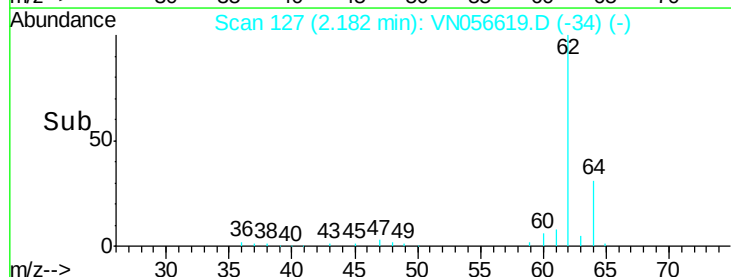
60000

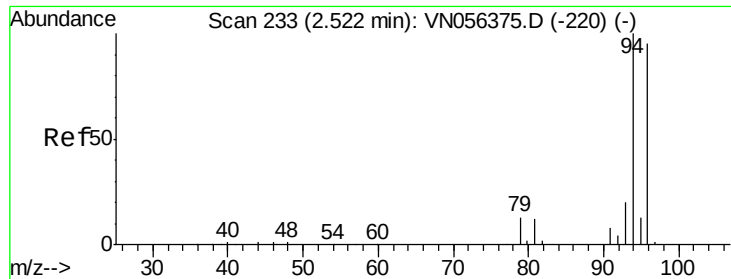
40000

20000

0

Time-->





#5

Bromomethane

Concen: 41.074 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 79326

Ion Ratio Lower Upper

94 100

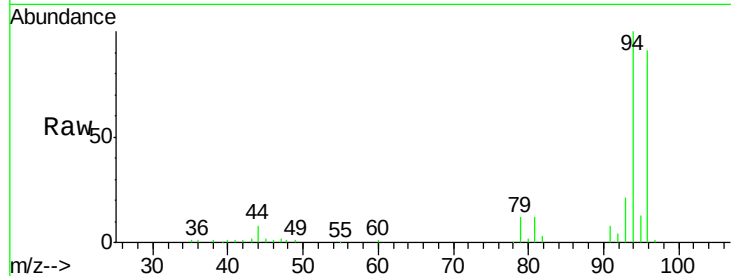
96 91.3 76.0 114.0

Manual Integrations

APPROVED

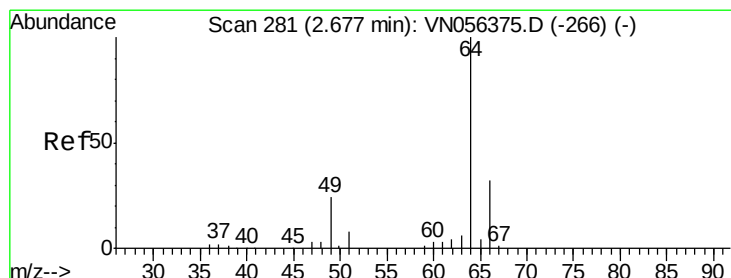
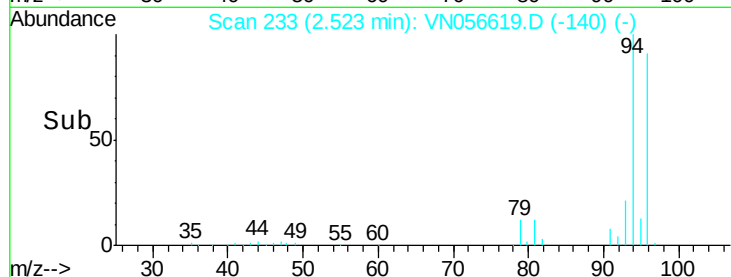
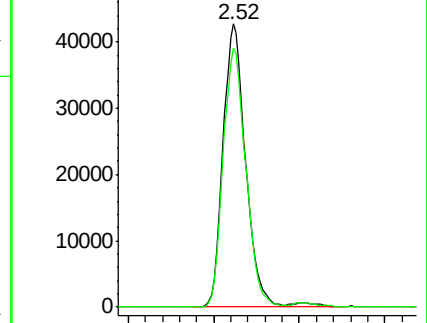
MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.835 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN056619.D

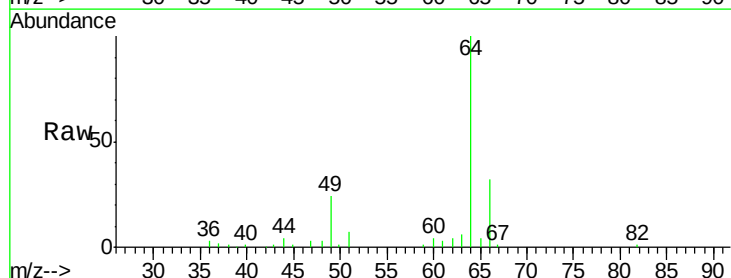
Acq: 8 Jul 2019 19:01

Tgt Ion: 64 Resp: 85536

Ion Ratio Lower Upper

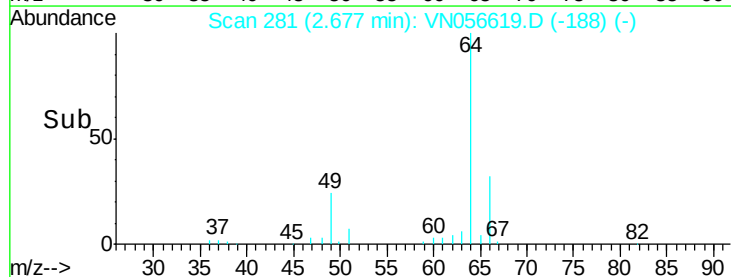
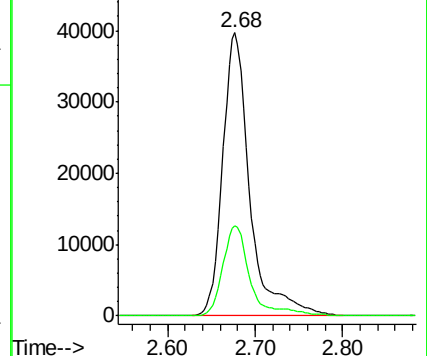
64 100

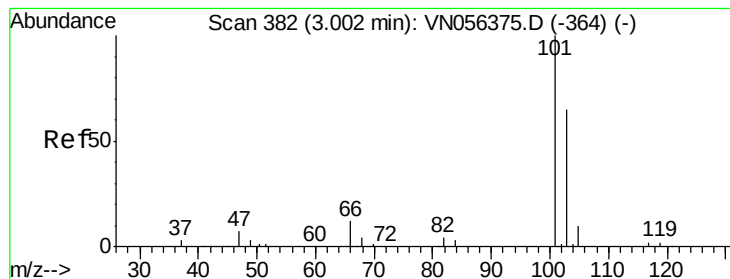
66 32.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

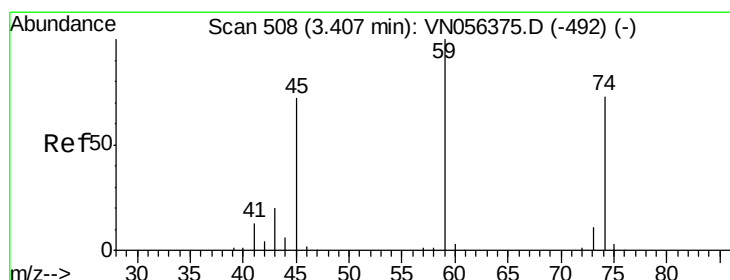
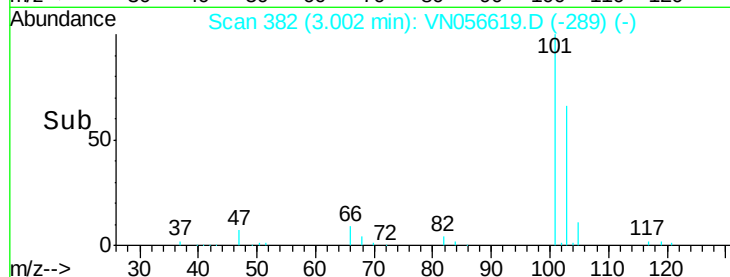
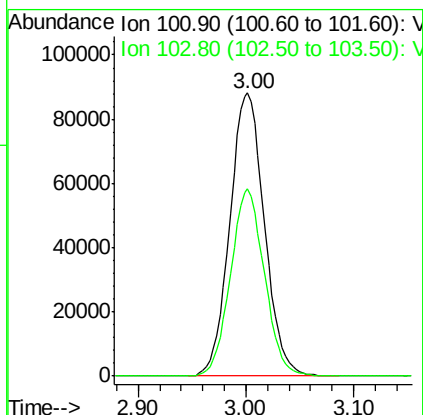
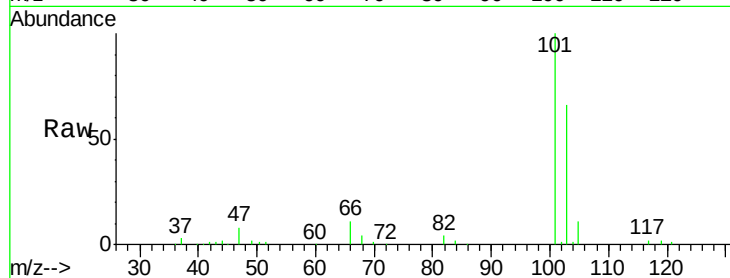
Trichlorofluoromethane
Concen: 46.127 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.7	77.5

Manual Integrations
APPROVED

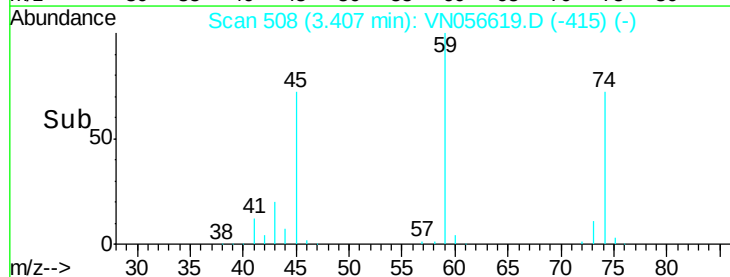
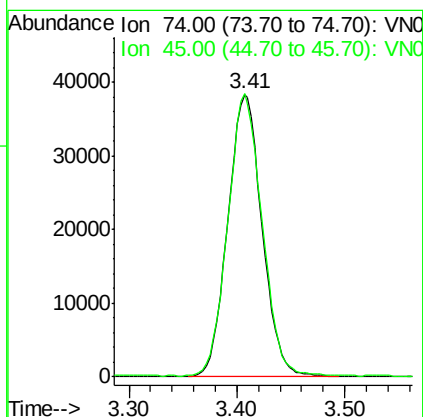
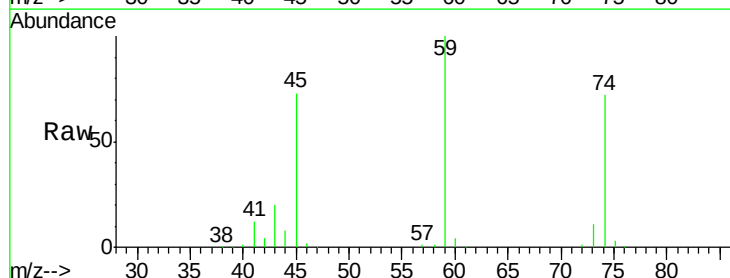
MMDadoda
7/9/2019 9:46:54 AM

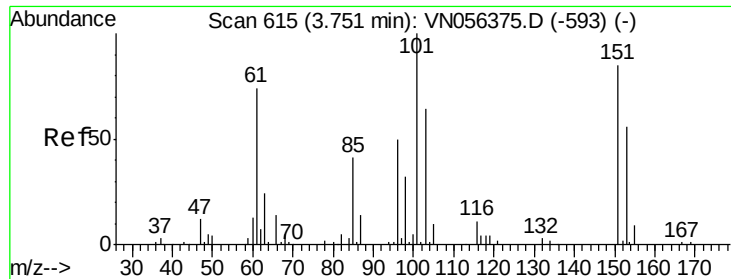


#8

Diethyl Ether
Concen: 47.056 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	48.9	146.6





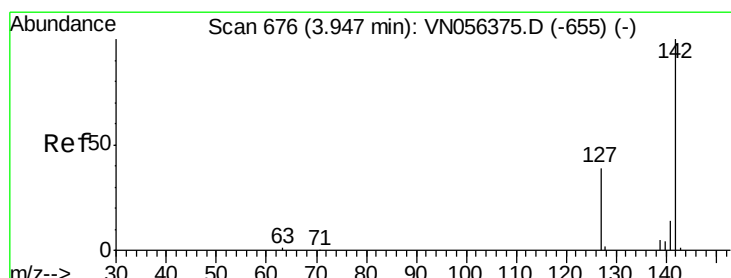
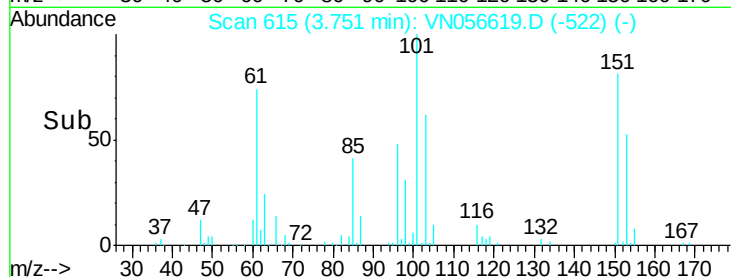
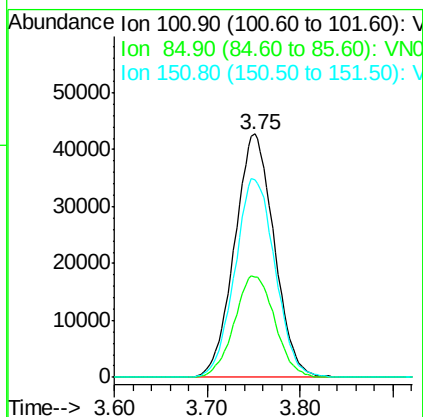
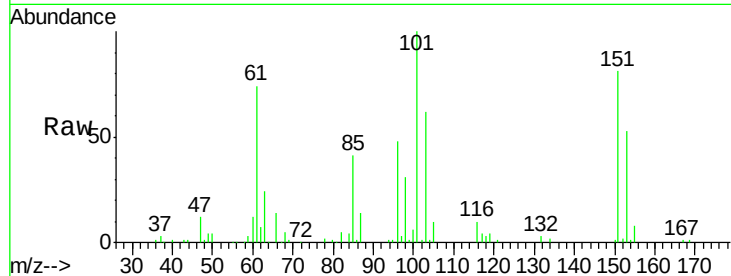
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.571 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.6	32.7	49.1
151	83.1	66.8	100.2

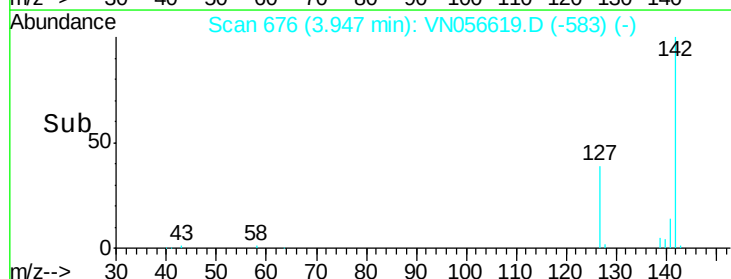
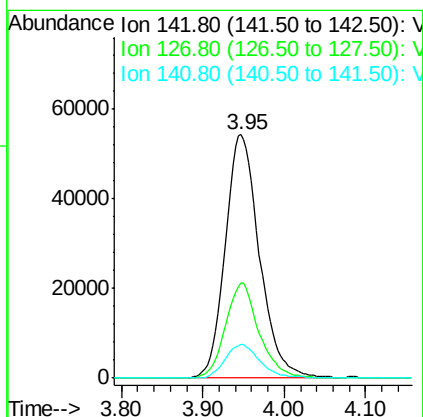
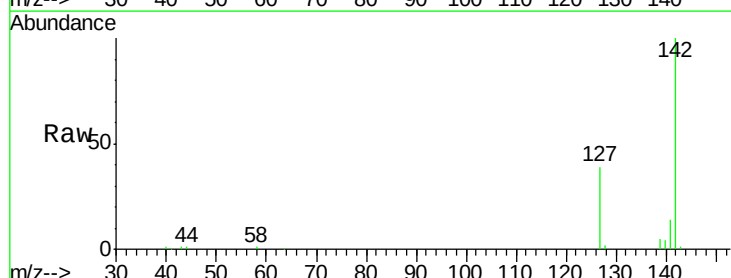
Manual Integrations
 APPROVED

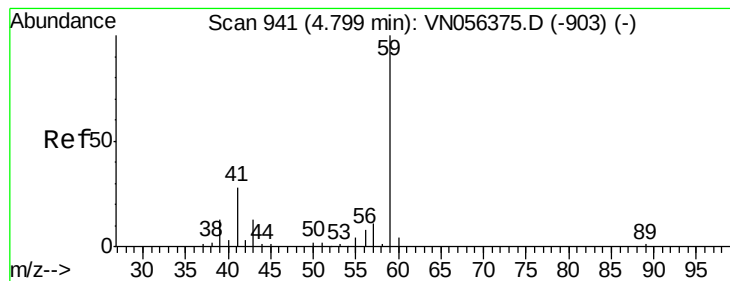
MMDadoda
 7/9/2019 9:46:54 AM



#10
 Methyl Iodide
 Concen: 43.428 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.3	30.6	46.0
141	14.0	11.4	17.2





#11

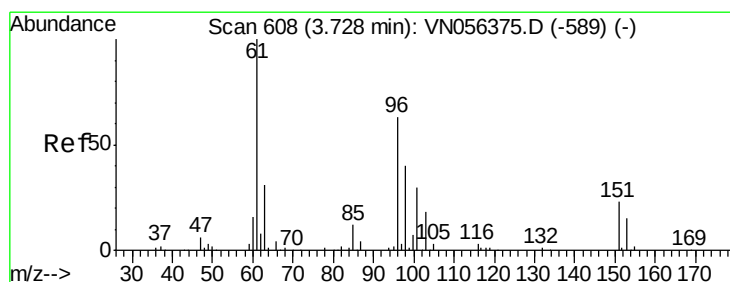
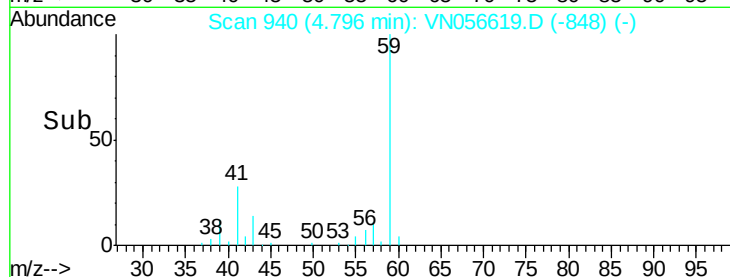
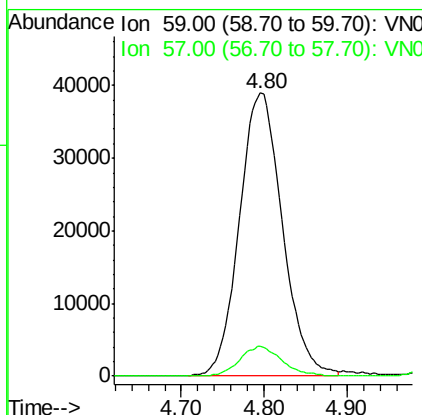
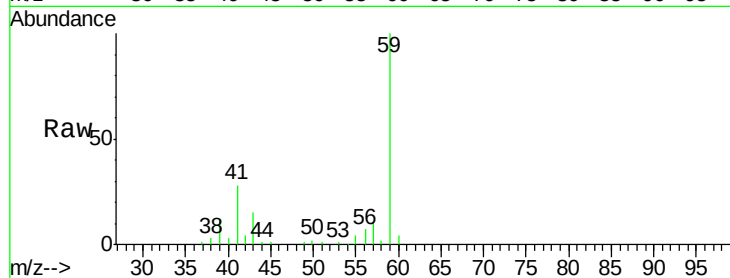
Tert butyl alcohol
Concen: 254.432 ug/l
RT: 4.80 min Scan# 940
Delta R.T. -0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.6	11.4

Manual Integrations
APPROVED

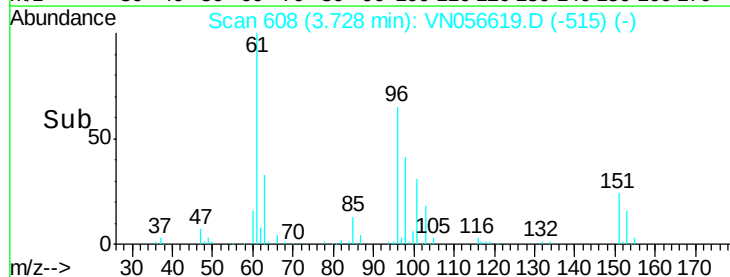
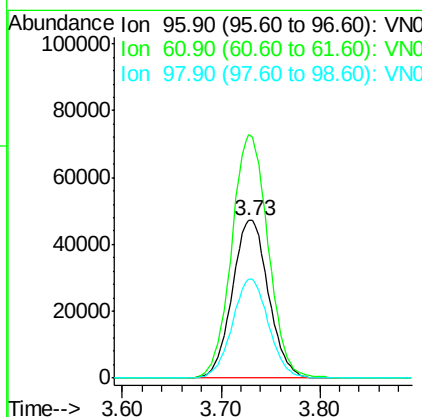
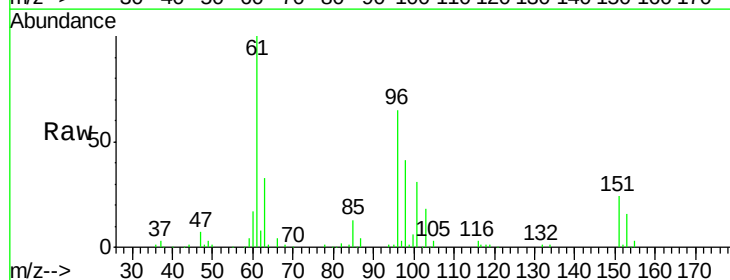
MMDadoda
7/9/2019 9:46:54 AM

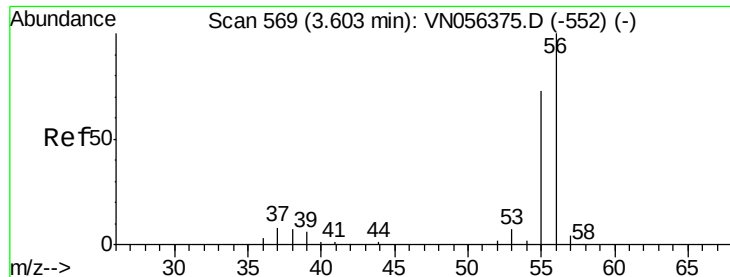


#12

1,1-Dichloroethene
Concen: 46.189 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	126.6	190.0
98	63.1	51.1	76.7





#13

Acrolein

Concen: 117.779 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 54818

Ion Ratio Lower Upper

56 100

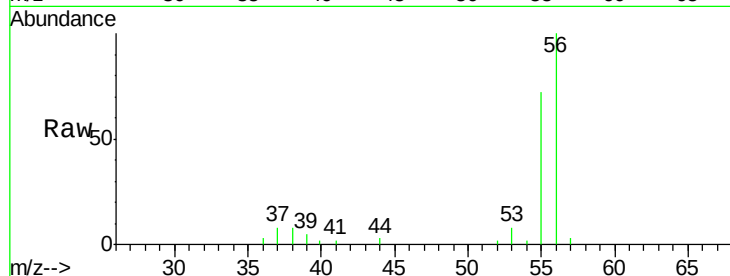
55 72.7 57.1 85.7

Manual Integrations

APPROVED

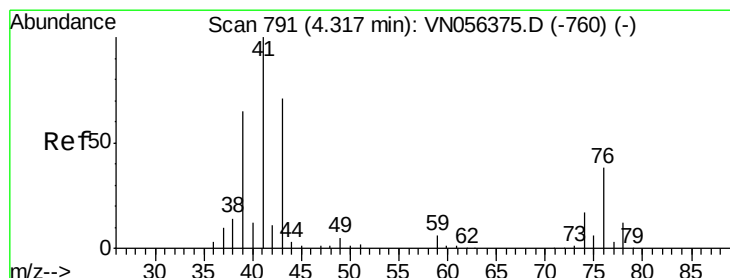
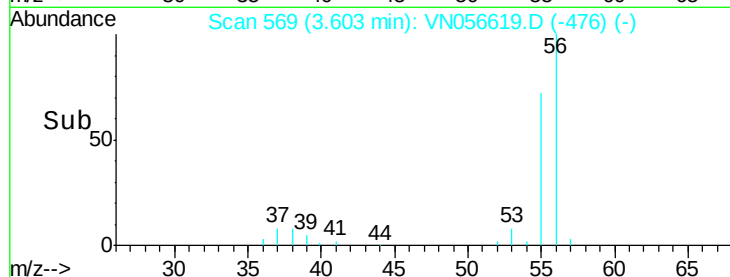
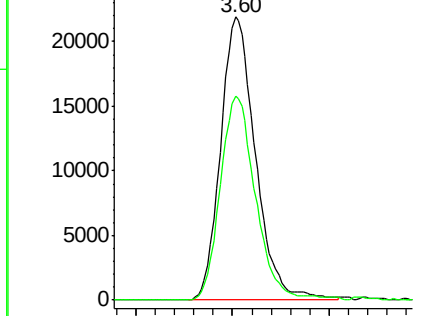
MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.225 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

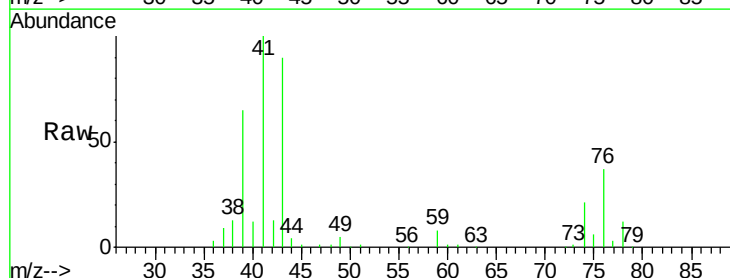
Tgt Ion: 41 Resp: 218496

Ion Ratio Lower Upper

41 100

39 59.5 48.6 73.0

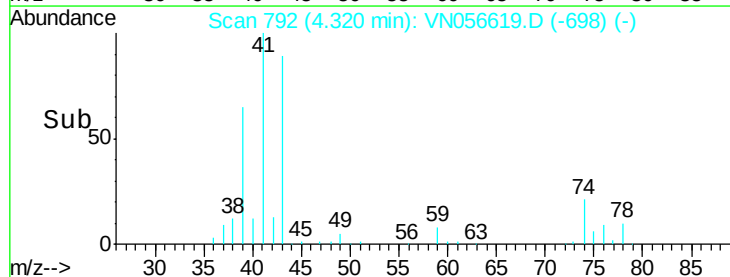
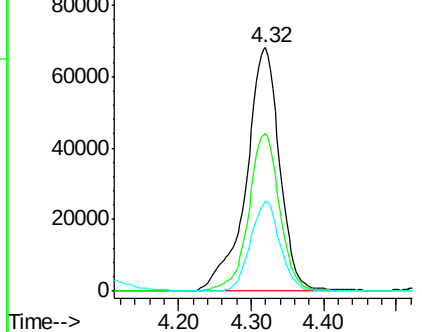
76 32.4 26.6 40.0

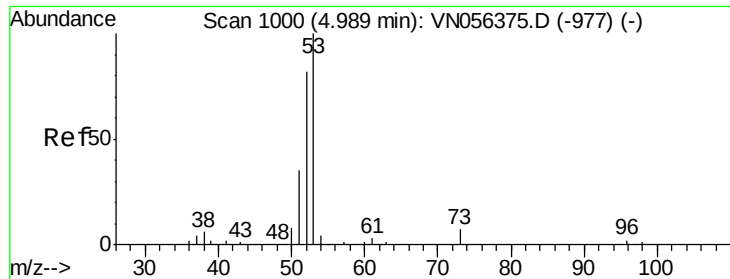


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 265.236 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

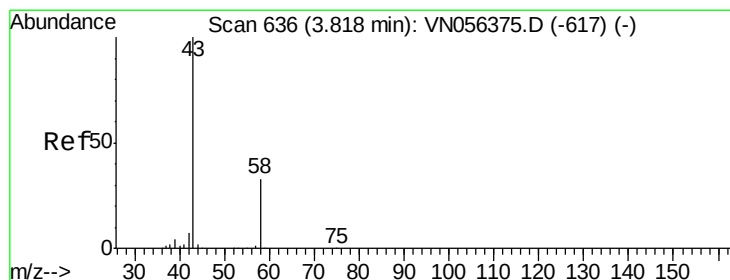
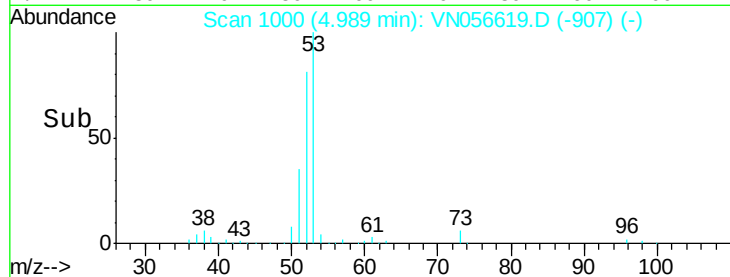
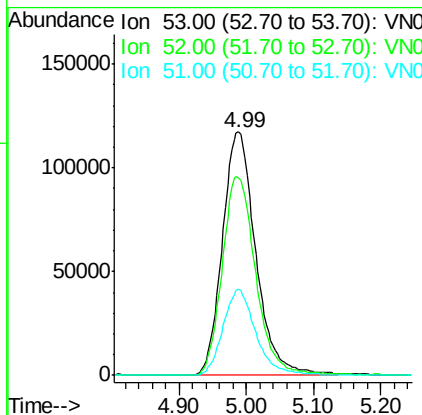
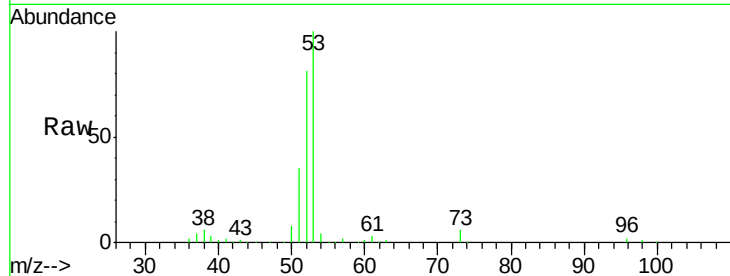
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	405215
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.9	98.9
51	34.7	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:54 AM



#16

Acetone

Concen: 195.774 ug/l

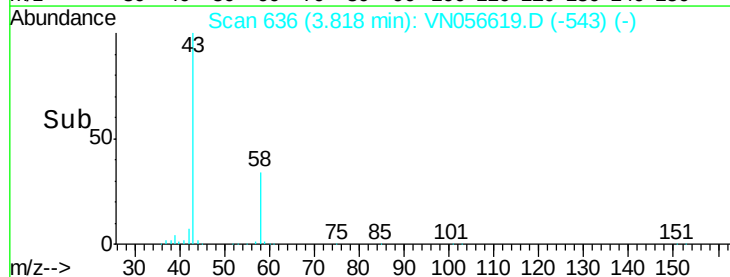
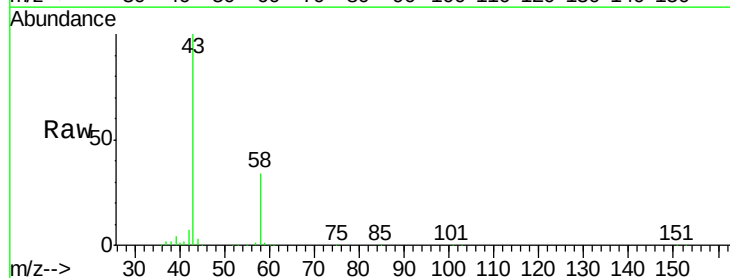
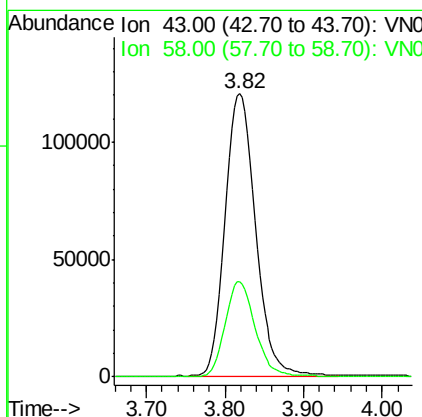
RT: 3.82 min Scan# 636

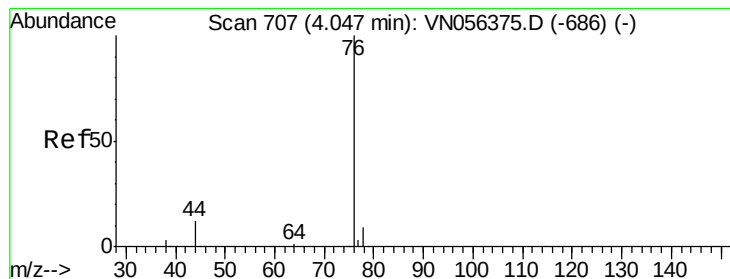
Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Tgt Ion:	43	Resp:	321603
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.4	39.6





#17

Carbon Disulfide

Concen: 40.215 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 239042

Ion Ratio Lower Upper

76 100

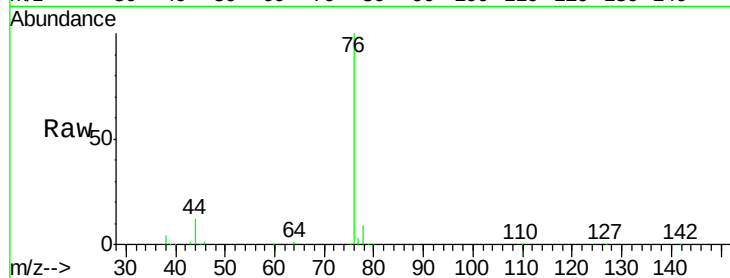
78 9.2 7.1 10.7

Manual Integrations

APPROVED

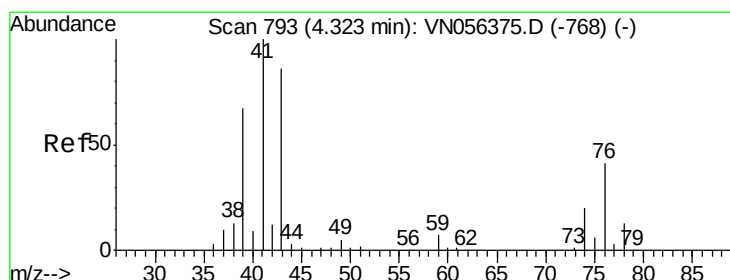
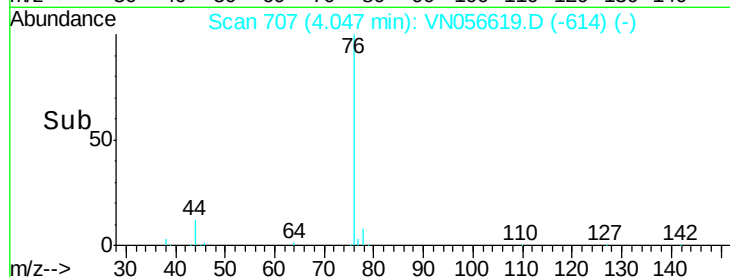
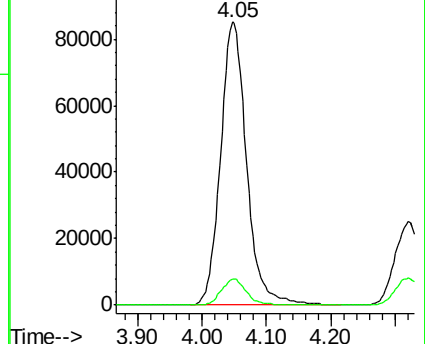
MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 56.176 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056619.D

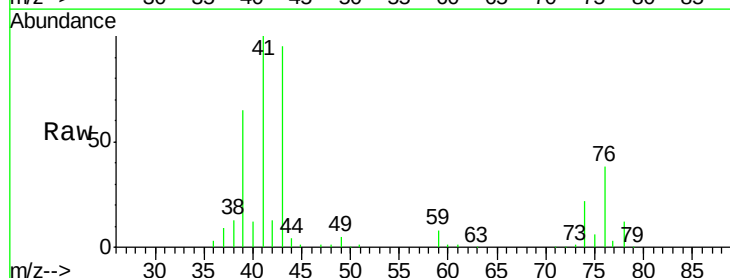
Acq: 8 Jul 2019 19:01

Tgt Ion: 43 Resp: 180398

Ion Ratio Lower Upper

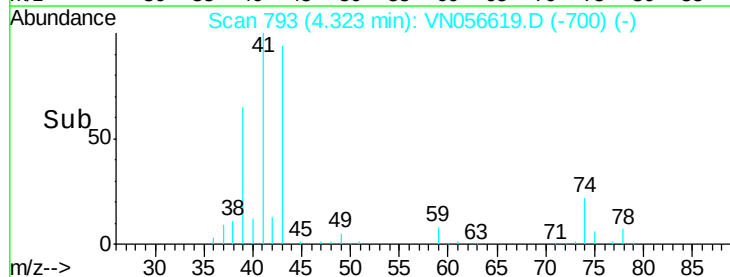
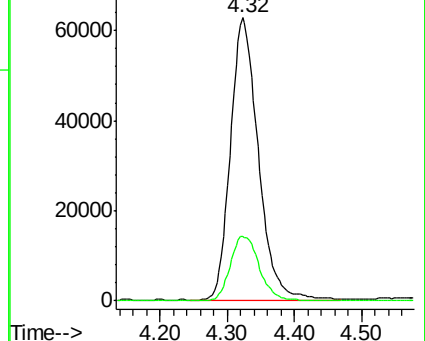
43 100

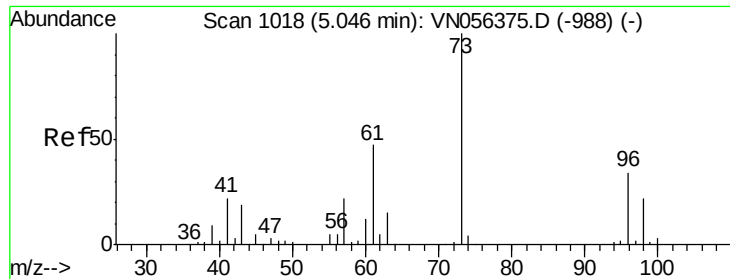
74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





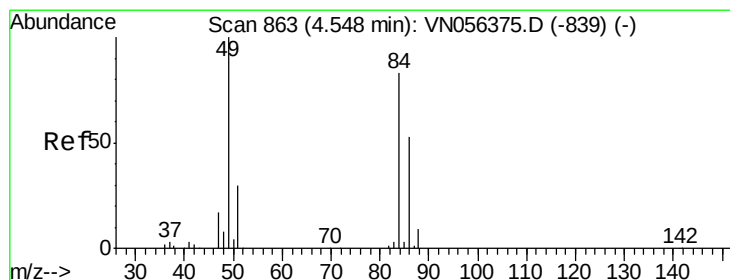
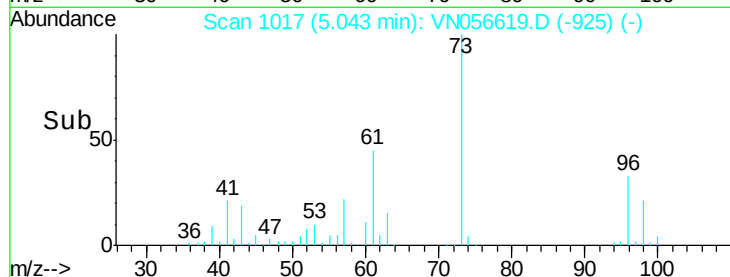
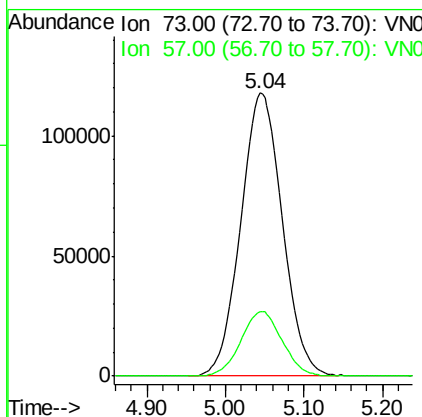
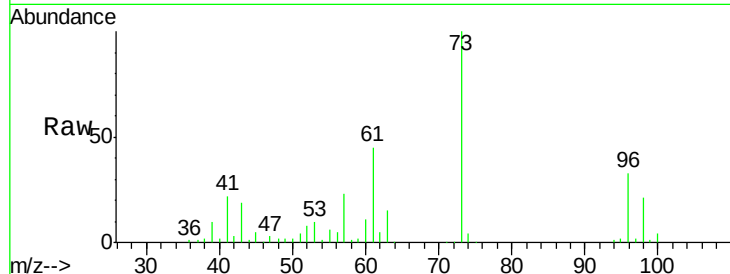
#19
Methyl tert-butyl Ether
Concen: 50.707 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.9	26.9

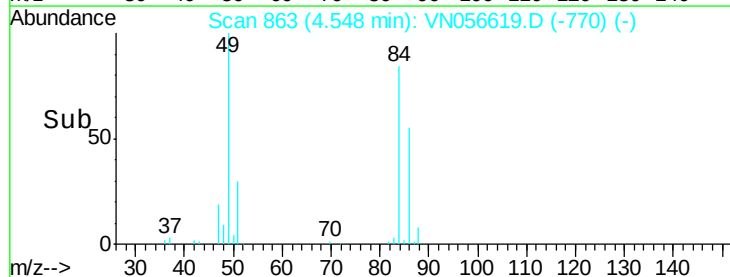
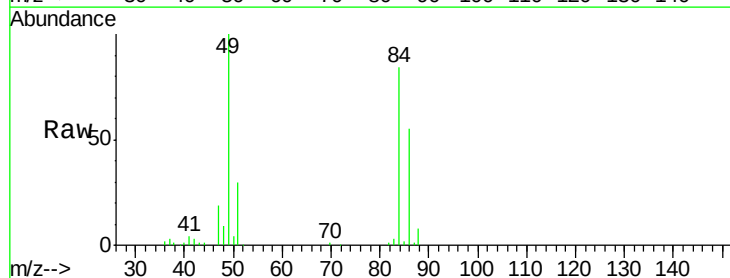
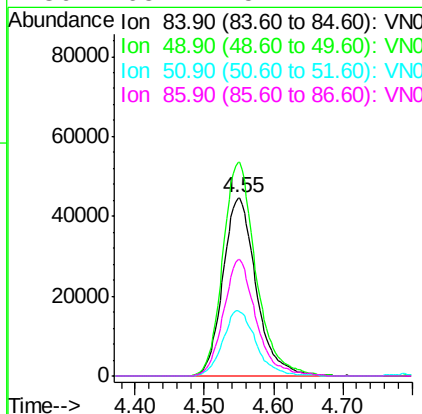
Manual Integrations
APPROVED

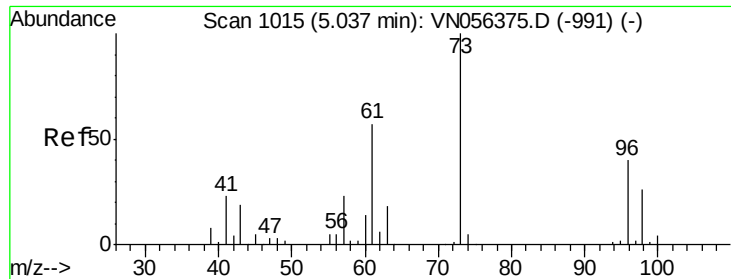
MMDadoda
7/9/2019 9:46:54 AM



#20
Methylene Chloride
Concen: 48.106 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.6	96.4	144.6
51	36.4	28.6	43.0
86	65.2	51.4	77.2





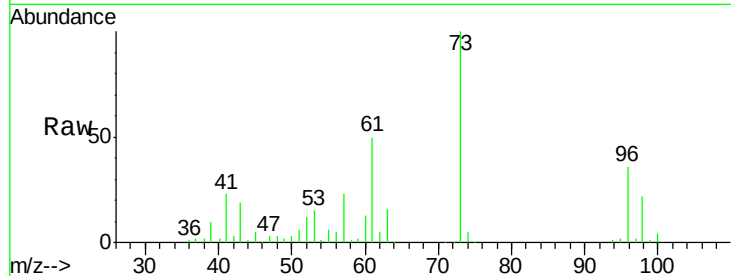
#21
trans-1,2-Dichloroethene
Concen: 45.725 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

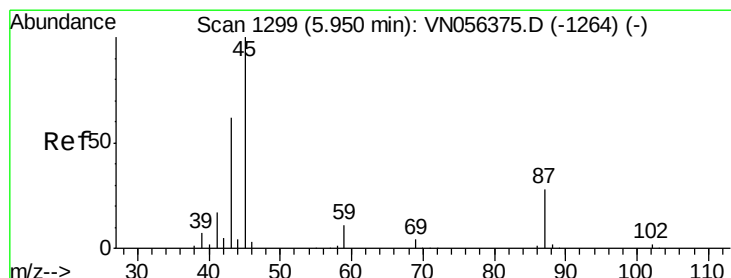
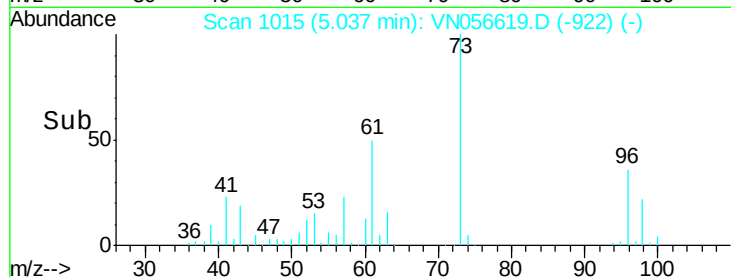
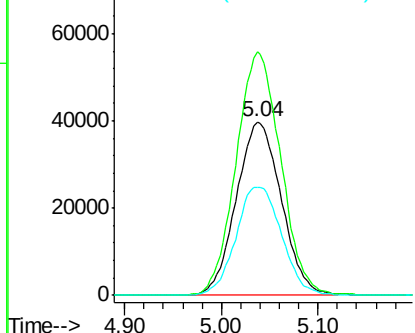
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	113.0	169.6
98	62.4	52.2	78.2

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:54 AM



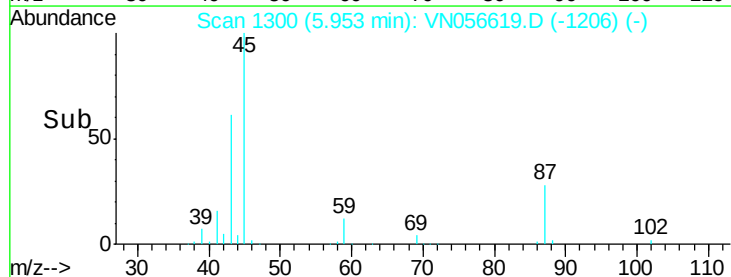
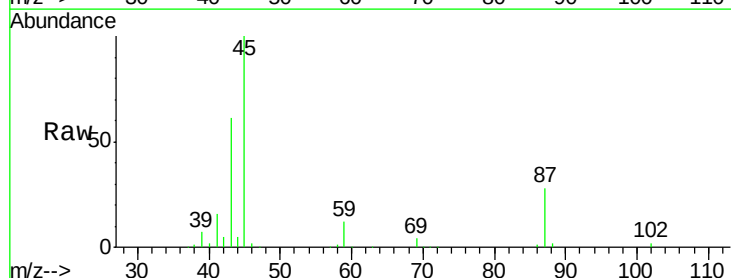
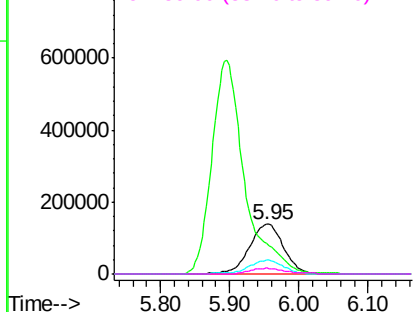
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

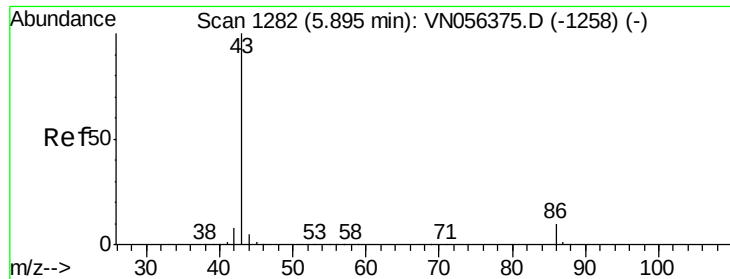


#22
Diisopropyl ether
Concen: 52.028 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	50.4	75.6
87	27.4	23.0	34.4
59	11.5	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 271.042 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1953151

Ion Ratio Lower Upper

43 100

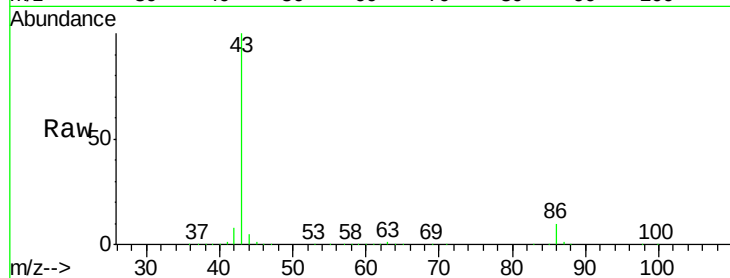
86 10.1 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

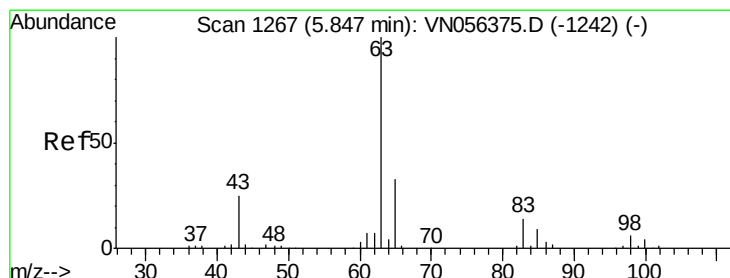
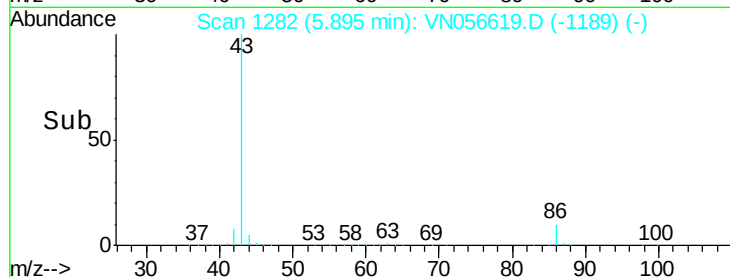
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.937 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

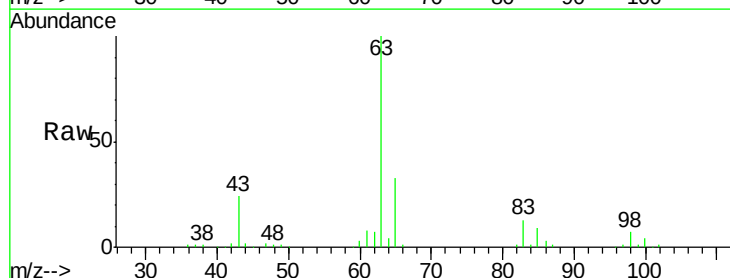
Tgt Ion: 63 Resp: 261894

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 4.1 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

5.85

100000

80000

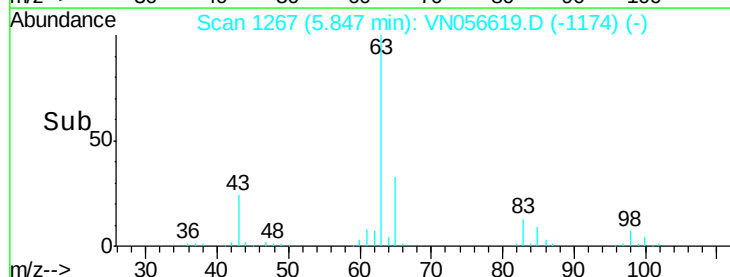
60000

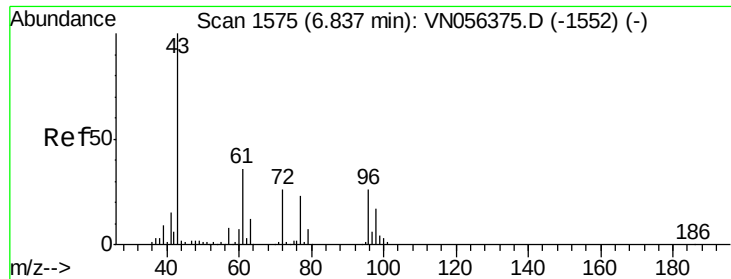
40000

20000

0

Time-->





#25

2-Butanone

Concen: 246.919 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 536840

Ion Ratio Lower Upper

43 100

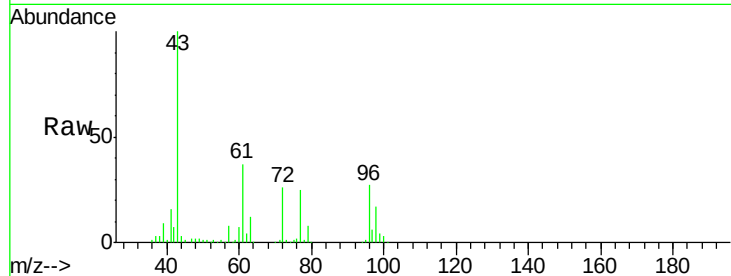
72 26.5 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

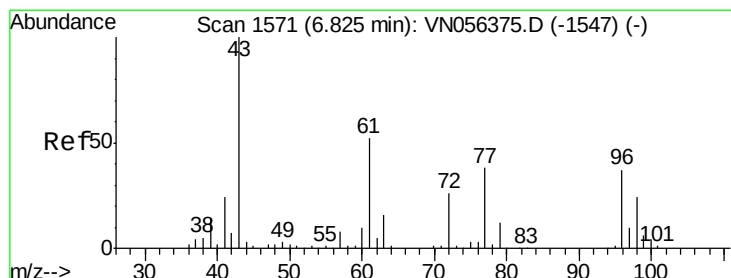
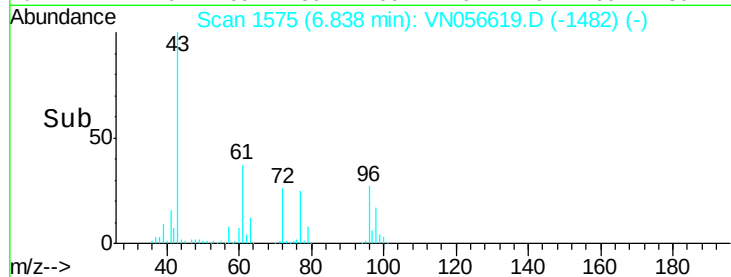
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 49.001 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056619.D

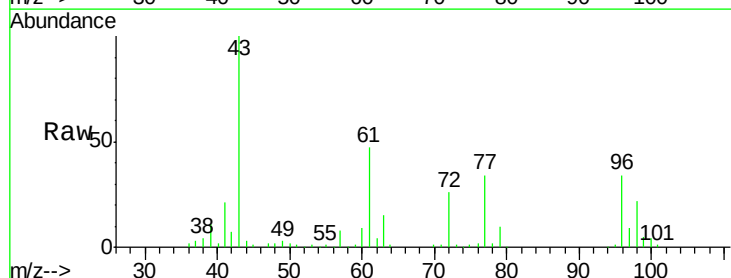
Acq: 8 Jul 2019 19:01

Tgt Ion: 77 Resp: 178735

Ion Ratio Lower Upper

77 100

97 24.8 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

60000

50000

40000

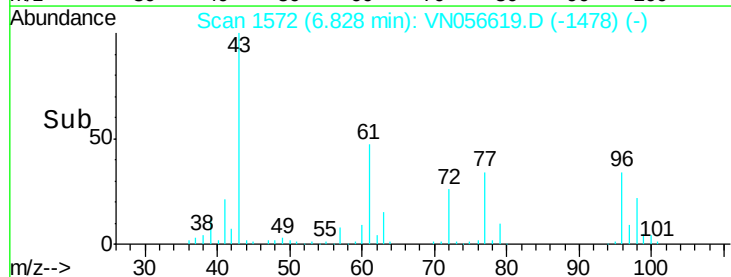
30000

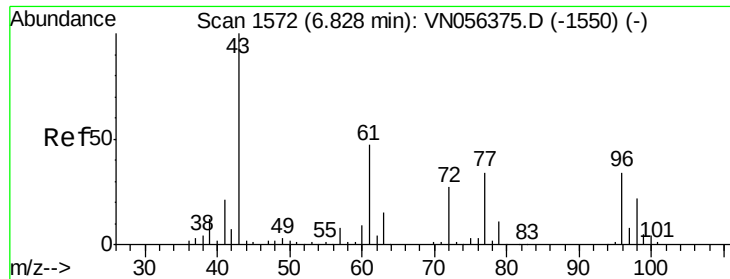
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 48.743 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

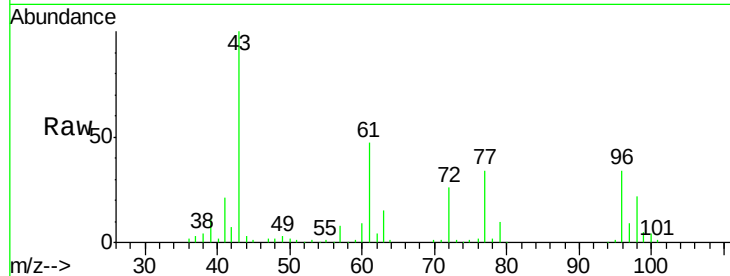
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	160680
Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	279.8
98	65.3	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:54 AM

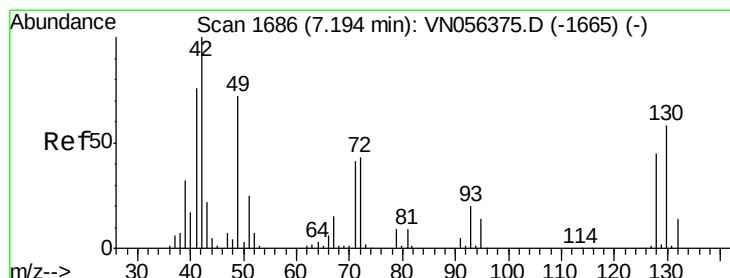
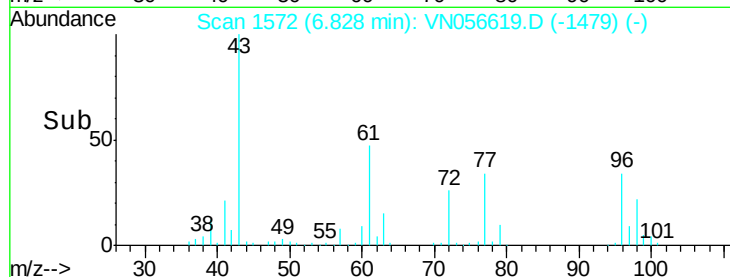
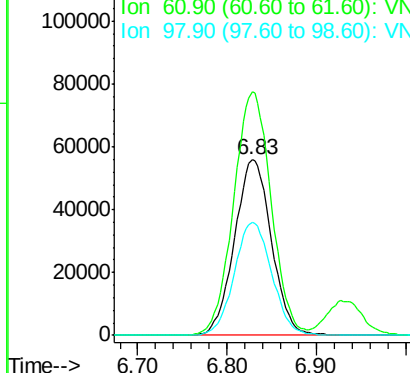


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.719 ug/l

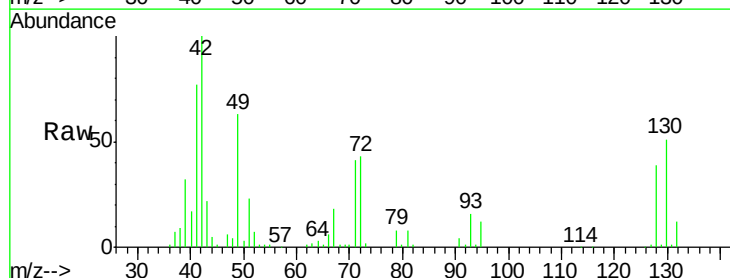
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Tgt Ion:	49	Resp:	126382
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	80.0	64.9	97.3

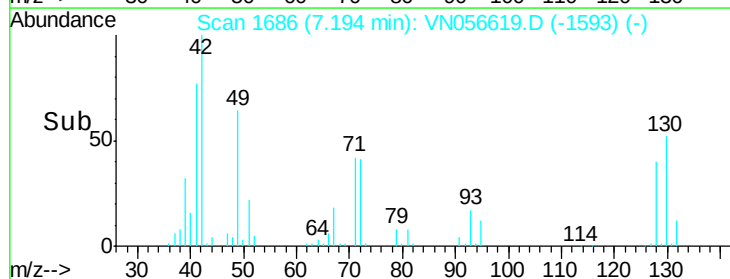
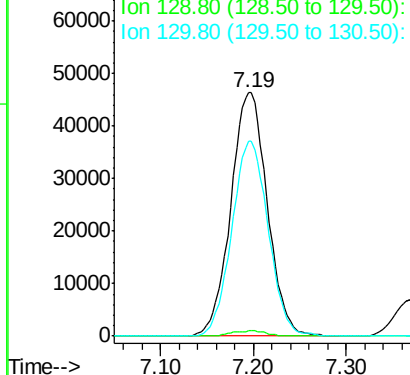


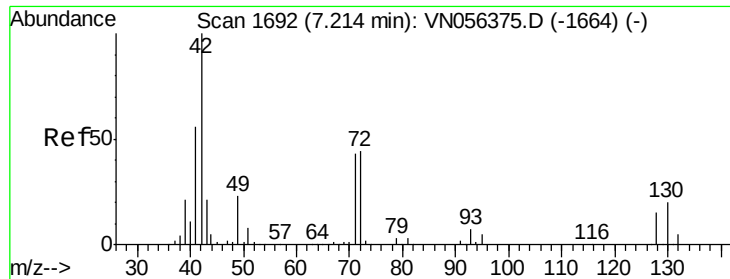
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0





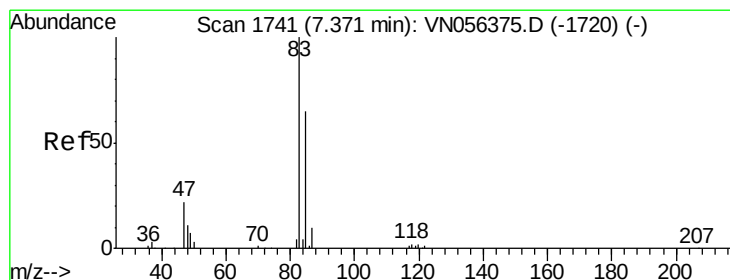
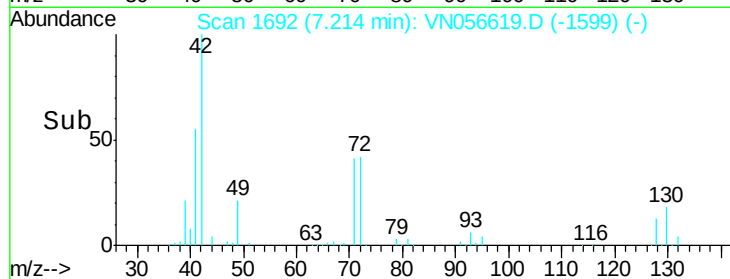
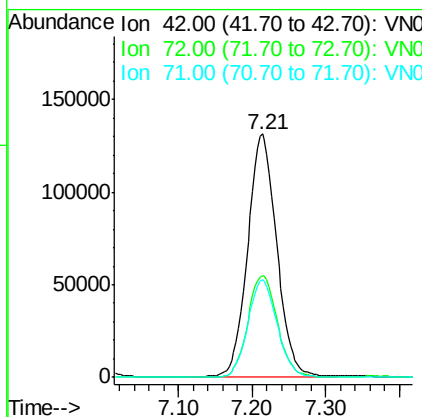
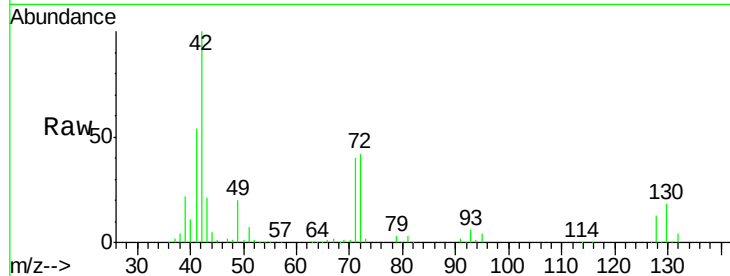
#29
Tetrahydrofuran
Concen: 273.242 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.7	52.1
71	40.3	33.0	49.6

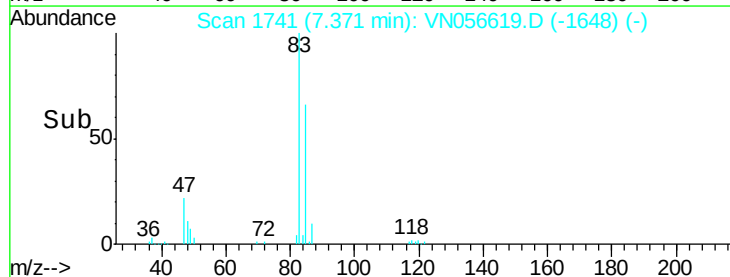
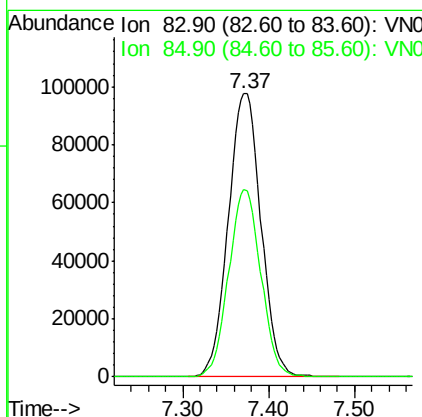
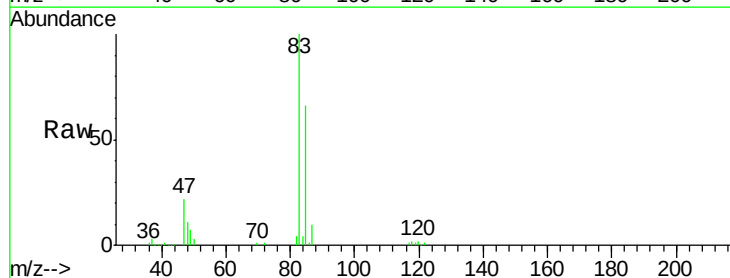
Manual Integrations
APPROVED

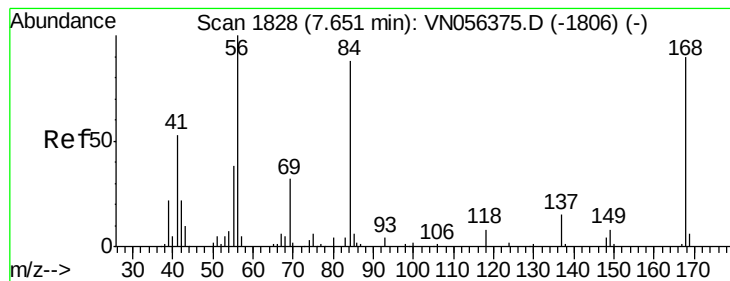
MMDadoda
7/9/2019 9:46:54 AM



#30
Chloroform
Concen: 49.912 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.3	78.5





#31

Cyclohexane

Concen: 43.100 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 218219

Ion Ratio Lower Upper

56 100

69 31.7 25.8 38.6

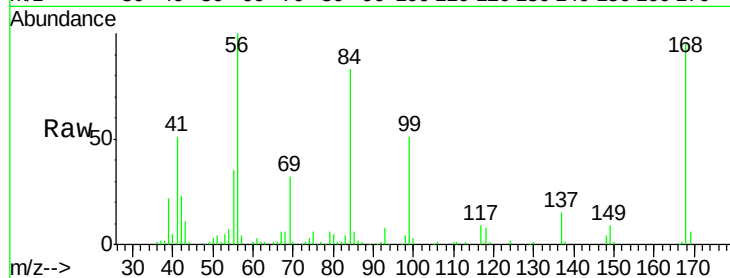
84 81.7 69.4 104.0

Manual Integrations

APPROVED

MMDadoda

7/9/2019 9:46:54 AM

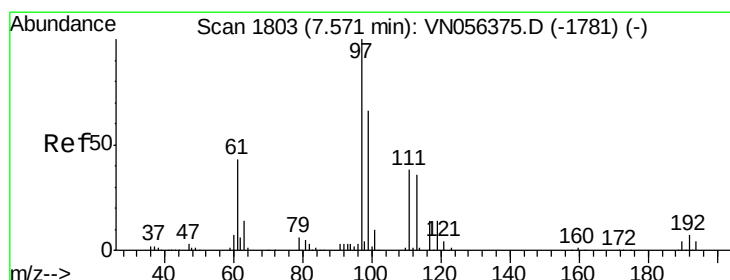
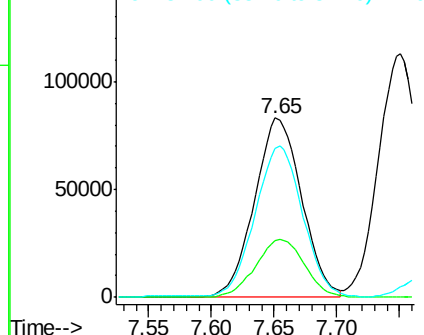
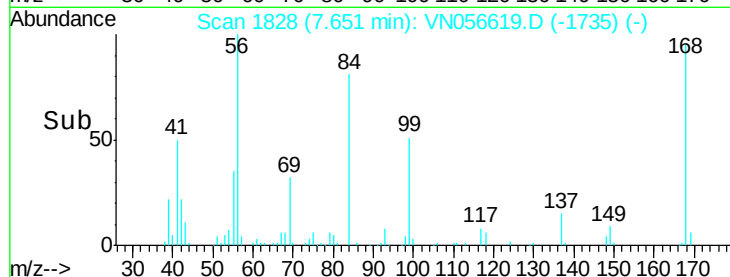


Abundance

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: 50.658 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

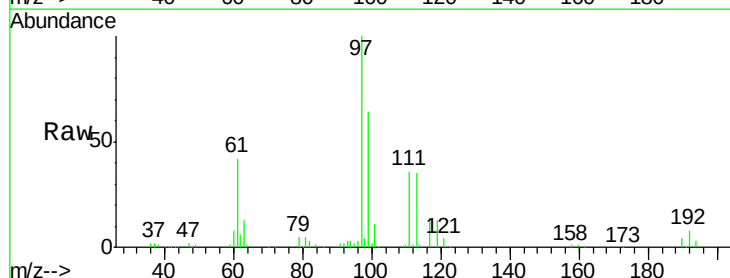
Tgt Ion: 97 Resp: 207802

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 43.1 33.9 50.9

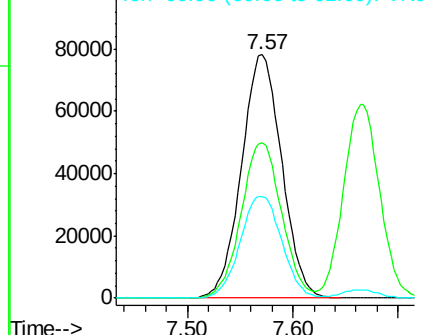
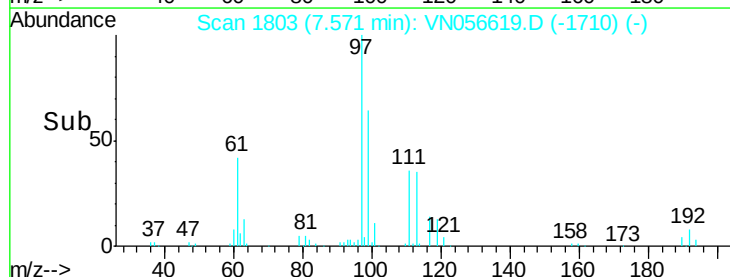


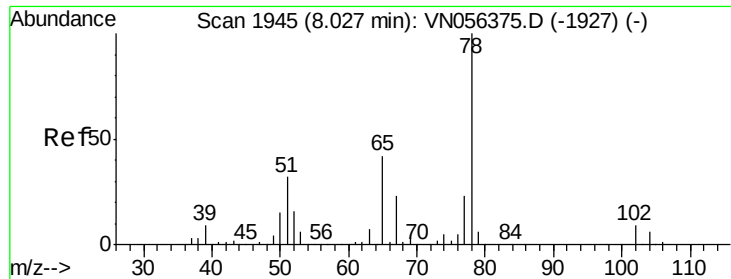
Abundance

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





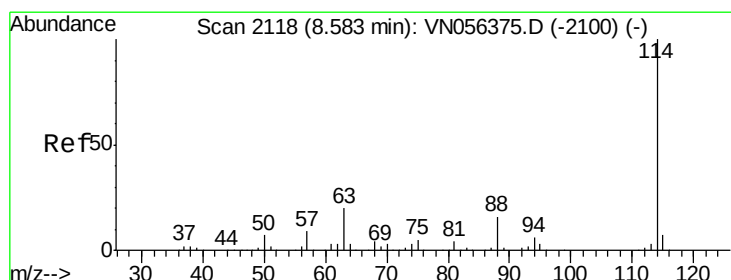
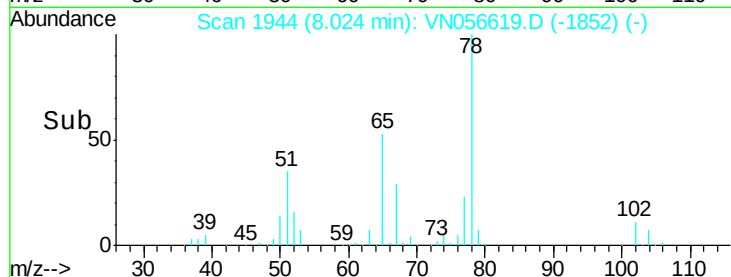
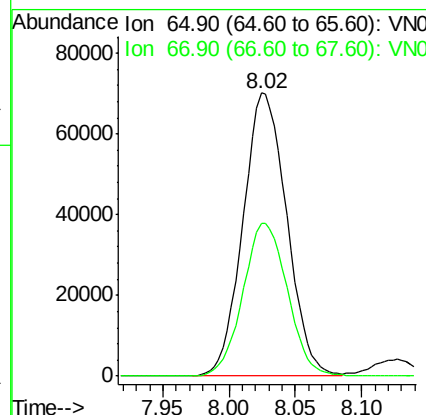
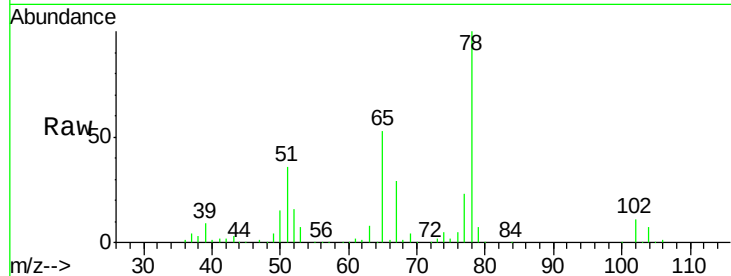
#33
 1,2-Dichloroethane-d4
 Concen: 49.201 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	109.0	

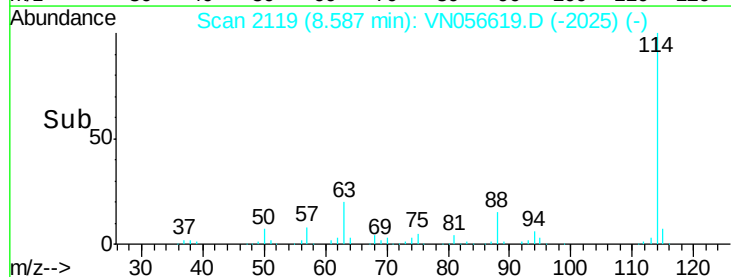
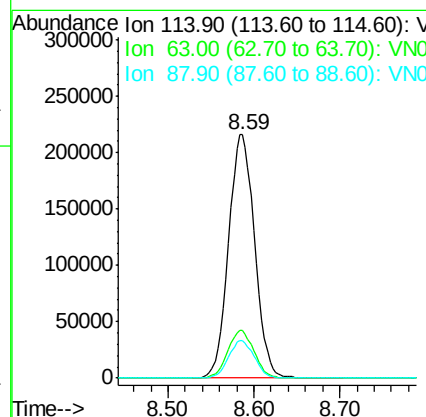
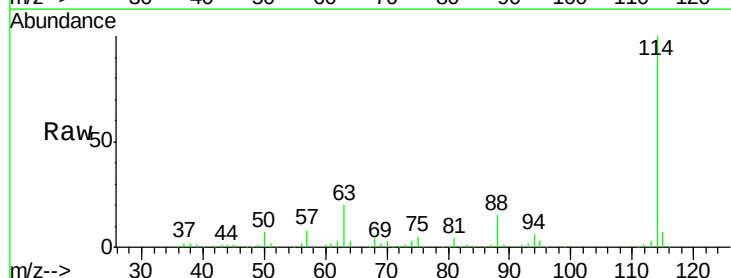
Manual Integrations
 APPROVED

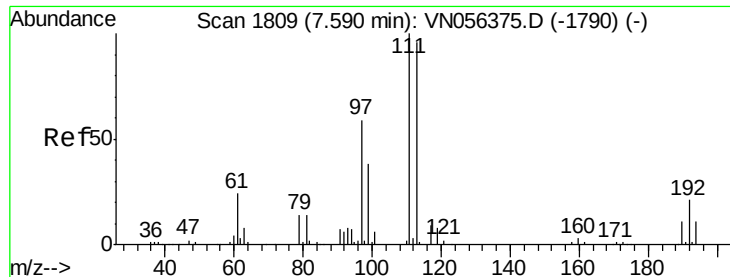
MMDadoda
 7/9/2019 9:46:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	39.2	
88	15.3	0.0	31.4	





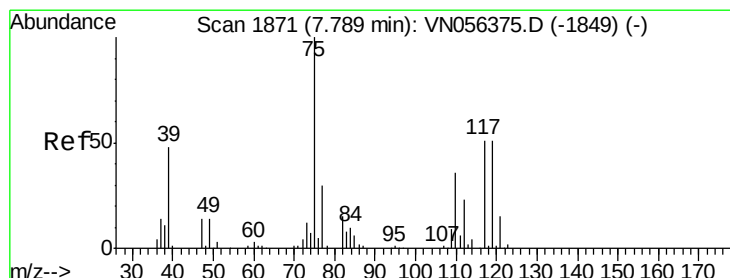
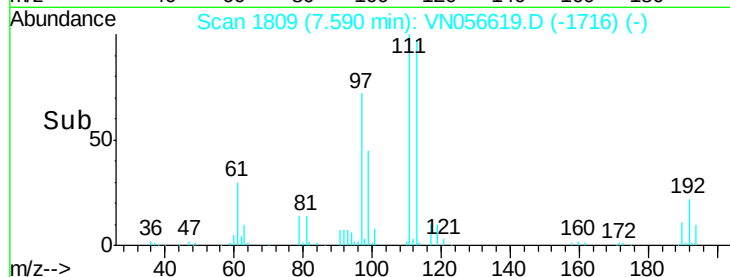
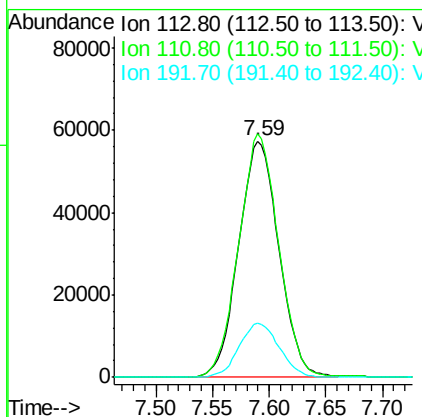
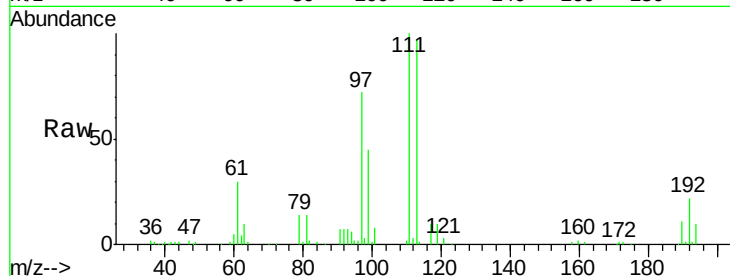
#35
 Dibromofluoromethane
 Concen: 50.154 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142103		
111	102.6	82.9	124.3	
192	22.8	17.7	26.5	

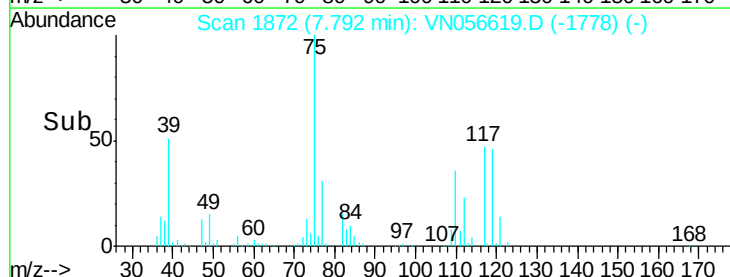
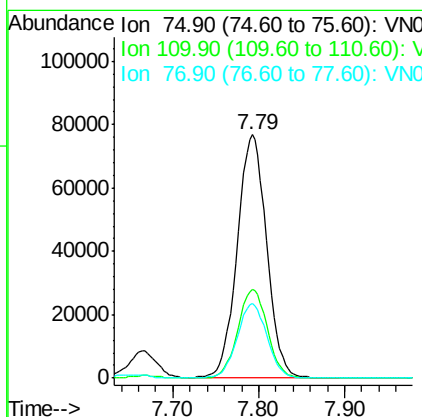
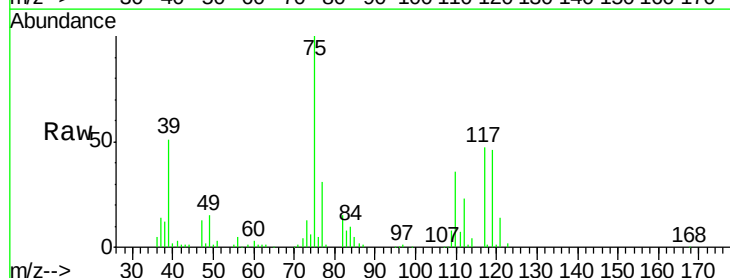
Manual Integrations
 APPROVED

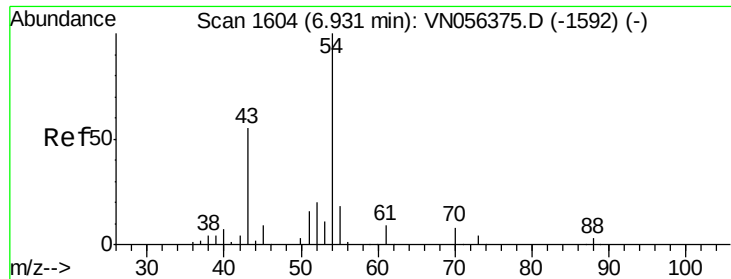
MMDadoda
 7/9/2019 9:46:54 AM



#36
 1,1-Dichloropropene
 Concen: 45.739 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	182845		
110	36.5	18.1	54.3	
77	30.8	24.6	36.8	





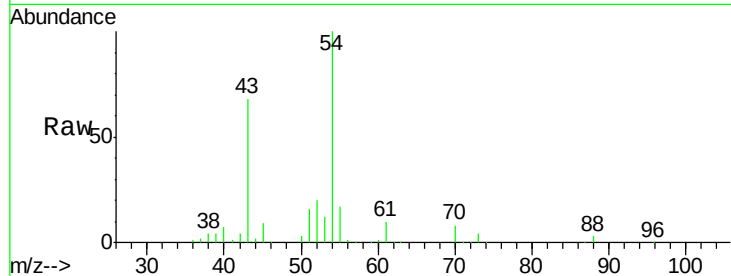
#37
Ethyl Acetate
Concen: 54.164 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.1	16.7
70	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:54 AM

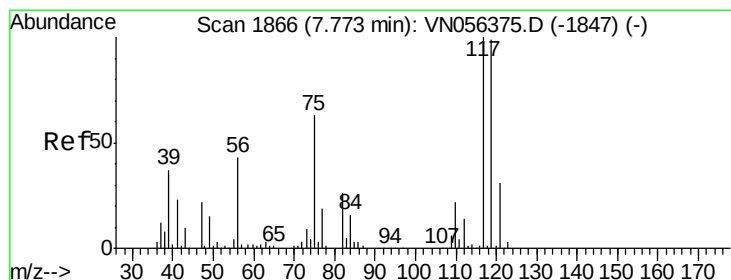
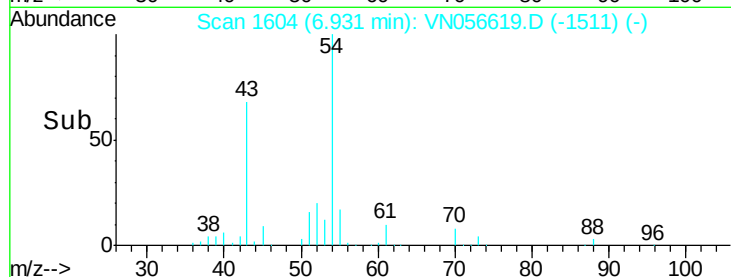
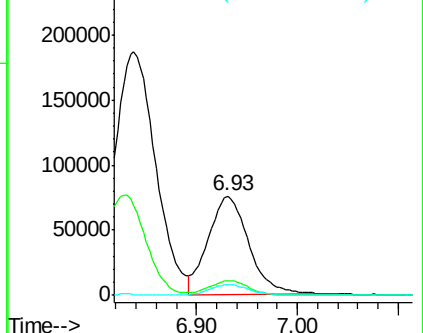


Abundance

Ion 43.00 (42.70 to 43.70): VN056619.D (-1511) (-)

Ion 60.90 (60.60 to 61.60): VN056619.D (-1511) (-)

Ion 70.00 (69.70 to 70.70): VN056619.D (-1511) (-)



#38
Carbon Tetrachloride
Concen: 49.297 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

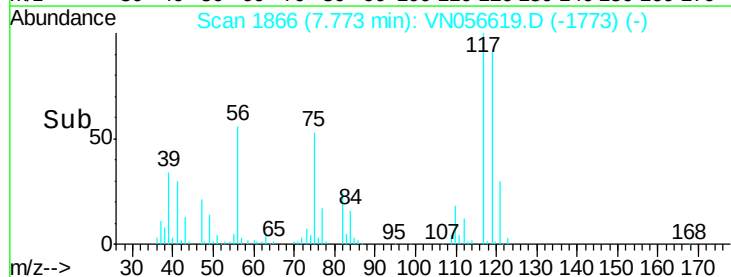
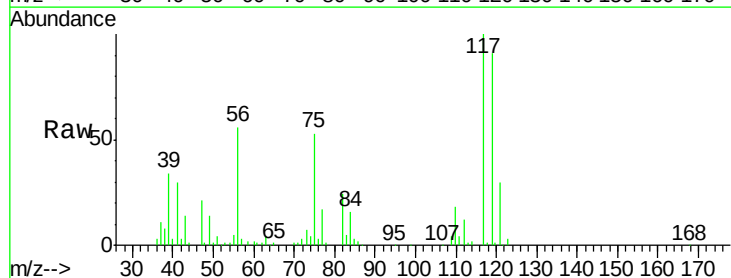
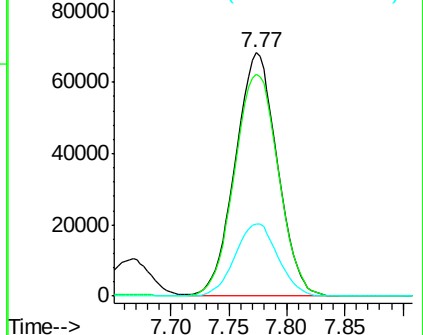
Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	79.1	118.7
121	29.7	24.8	37.2

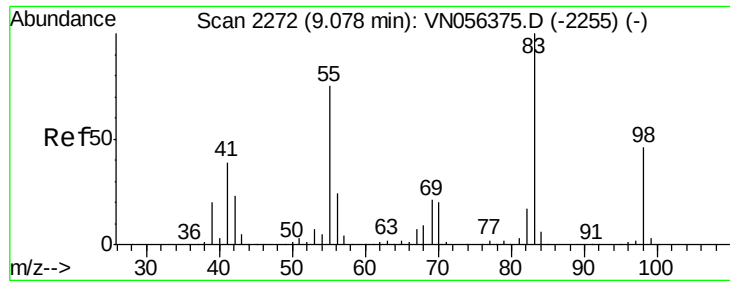
Abundance

Ion 116.80 (116.50 to 117.50): VN056619.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN056619.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN056619.D (-1773) (-)





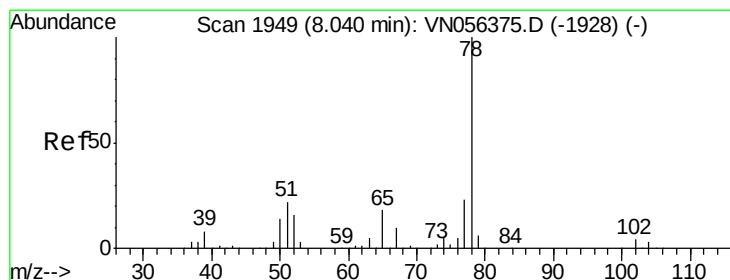
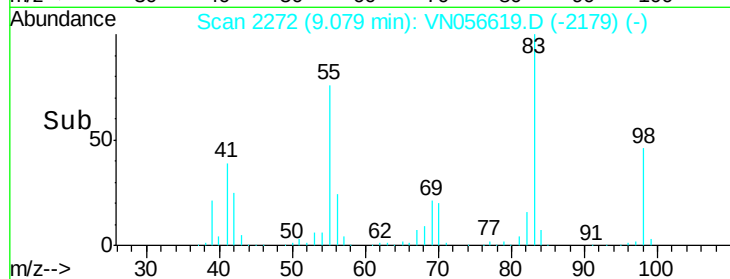
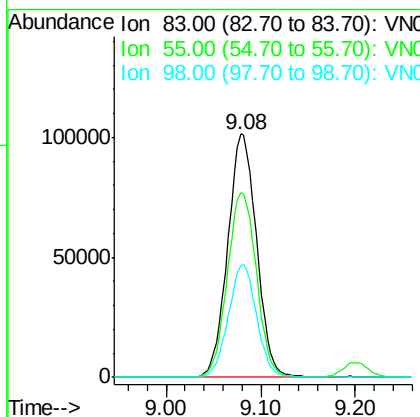
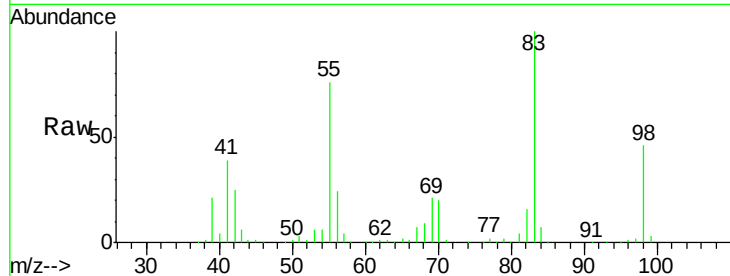
#39
Methylvlcyclohexane
Concen: 43.612 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	215123
Ion Ratio	Lower	Upper	
83	100		
55	75.8	60.0	90.0
98	45.8	36.6	54.8

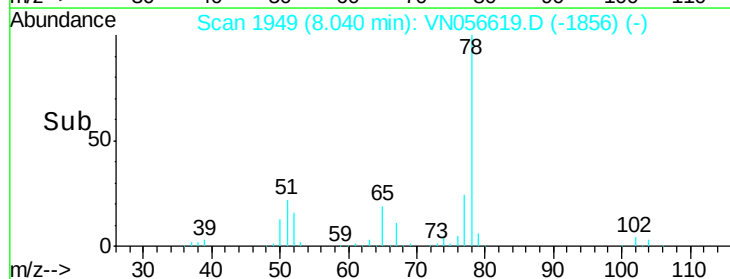
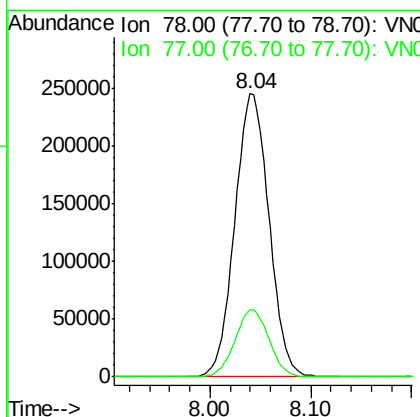
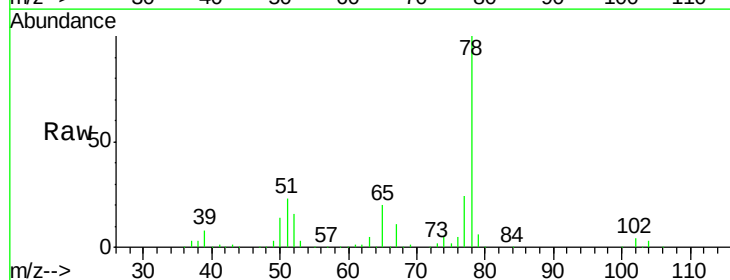
Manual Integrations
APPROVED

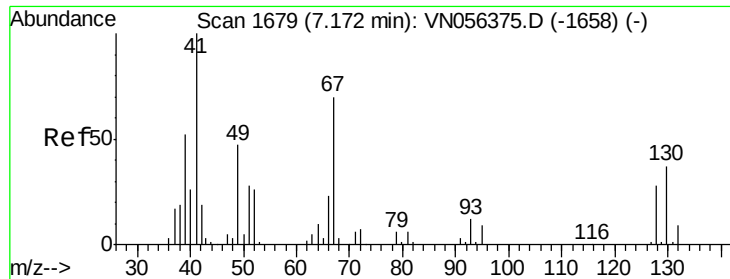
MMDadoda
7/9/2019 9:46:54 AM



#40
Benzene
Concen: 47.004 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	78	Resp	577983
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.3	27.5





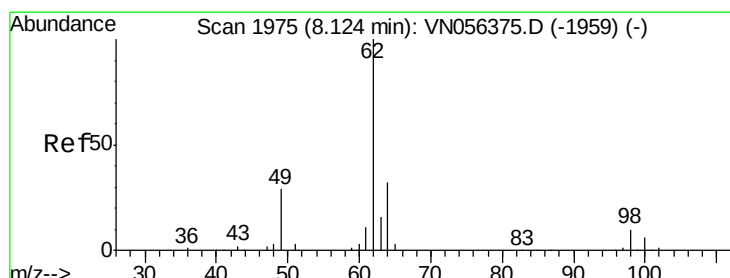
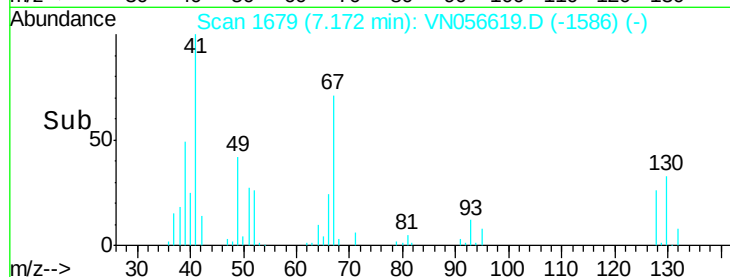
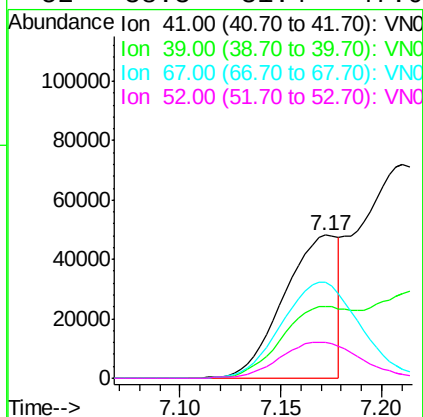
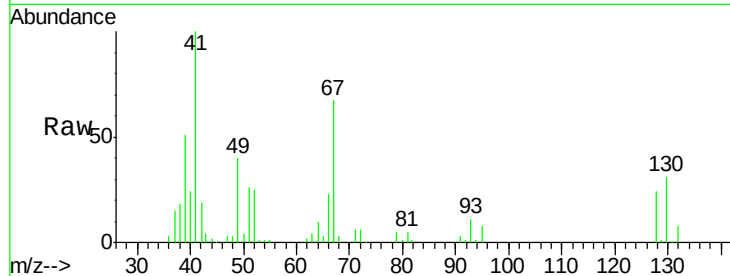
#41
Methacrylonitrile
Concen: 52.036 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	90271
Ion	Ratio	Lower	Upper
41	100		
39	66.3	55.3	82.9
67	97.5	79.2	118.8
52	38.3	31.4	47.0

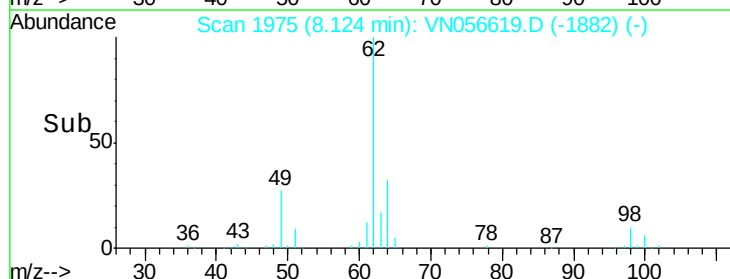
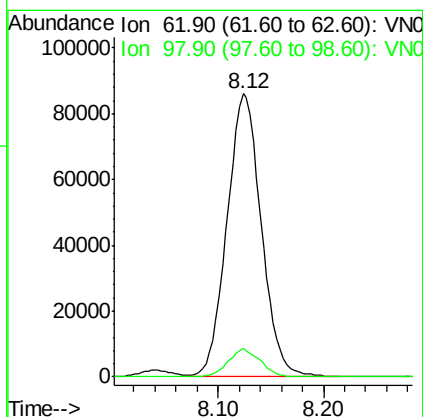
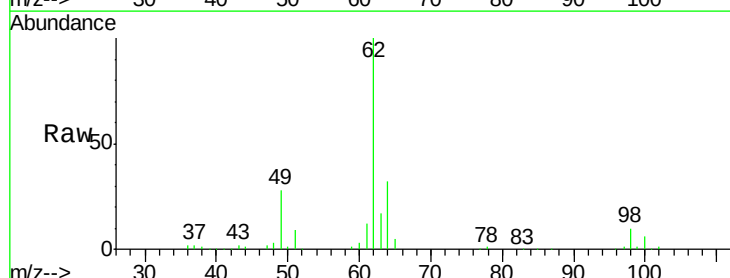
Manual Integrations
APPROVED

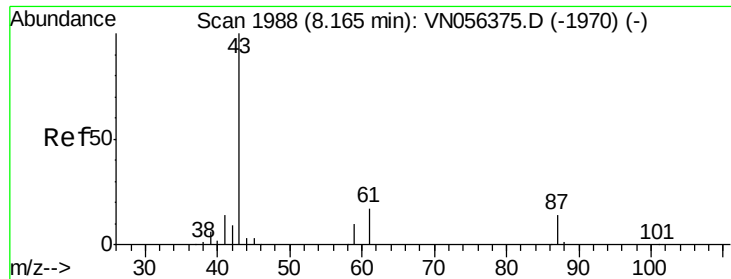
MMDadoda
7/9/2019 9:46:54 AM



#42
1,2-Dichloroethane
Concen: 47.621 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	62	Resp	193253
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4





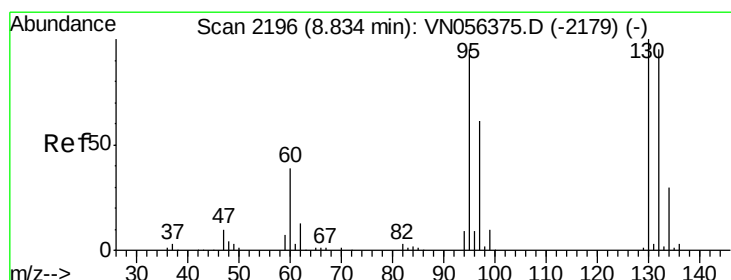
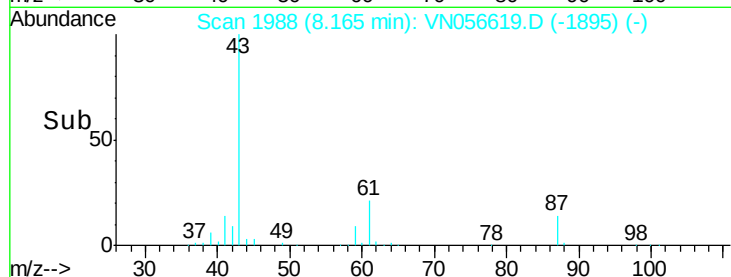
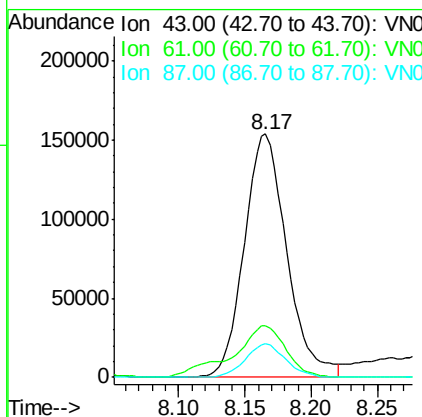
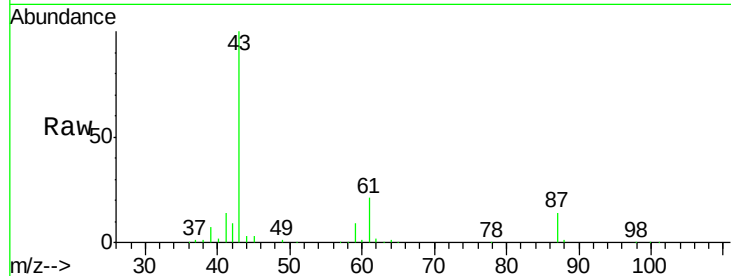
#43
Isopropyl Acetate
Concen: 56.495 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	22.0	33.0
87	13.1	11.0	16.4

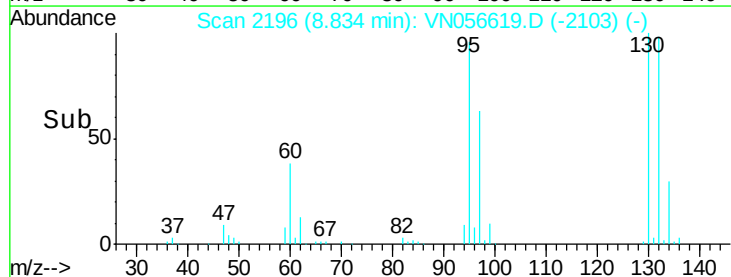
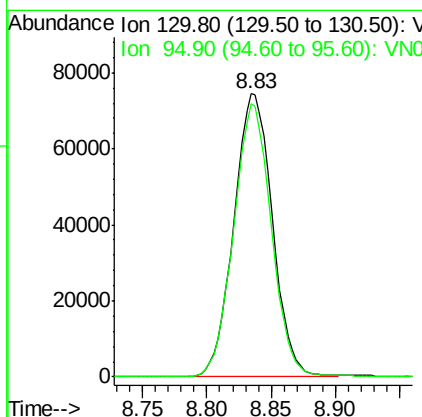
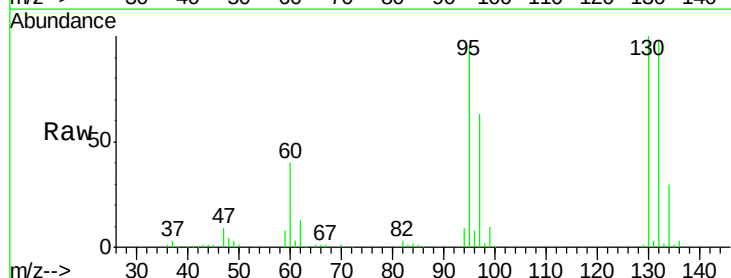
Manual Integrations
APPROVED

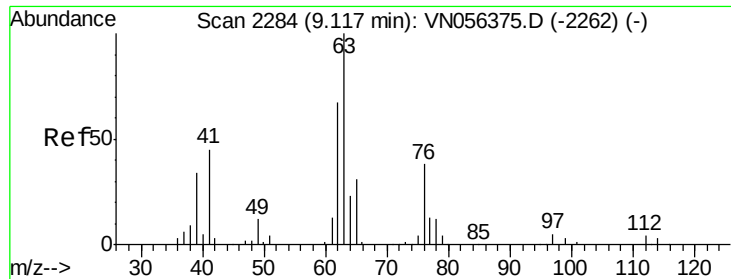
MMDadoda
7/9/2019 9:46:54 AM



#44
Trichloroethene
Concen: 46.842 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	191.0





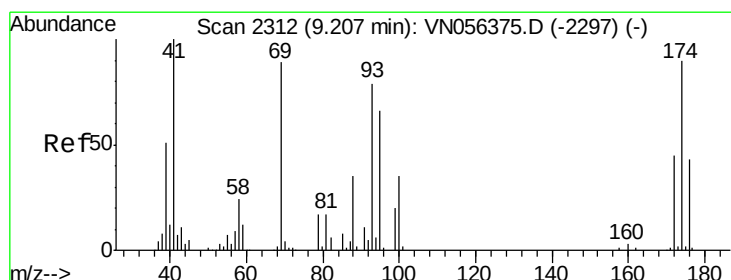
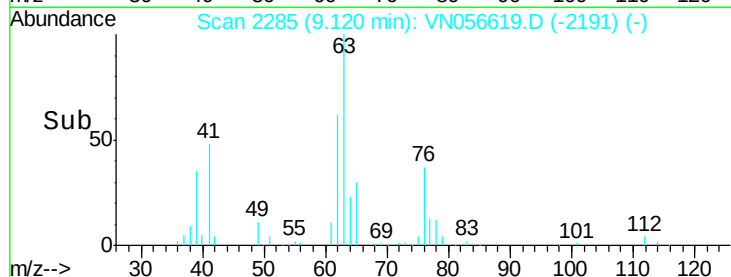
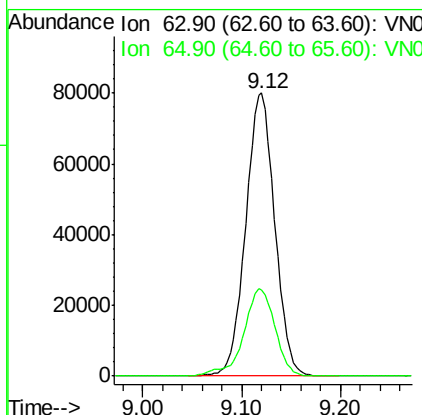
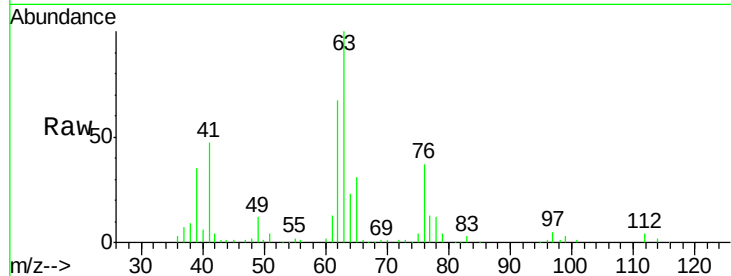
#45
 1,2-Dichloropropane
 Concen: 49.337 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 162245
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

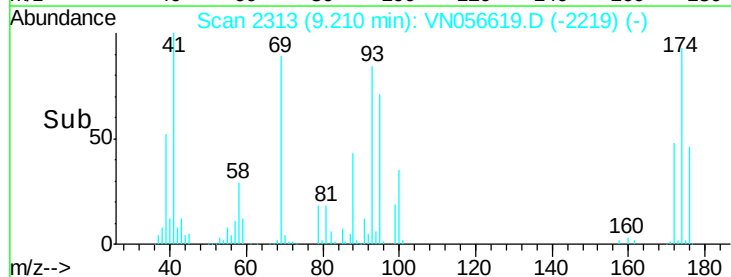
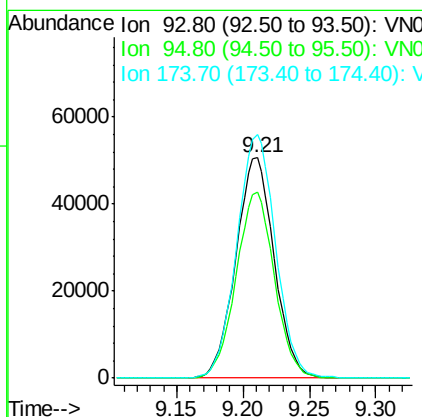
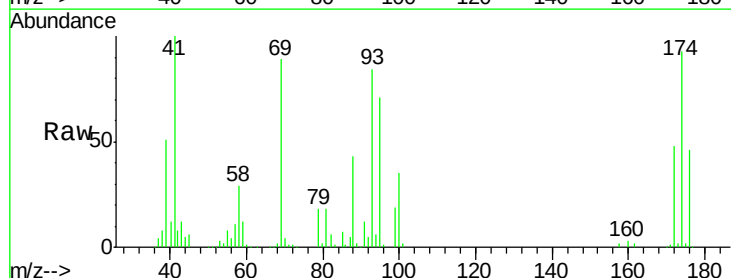
Manual Integrations
 APPROVED

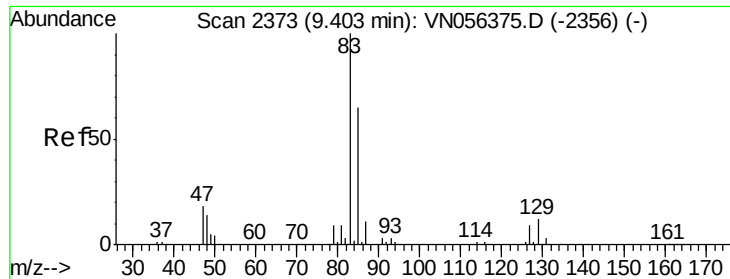
MMDadoda
 7/9/2019 9:46:54 AM



#46
 Dibromomethane
 Concen: 49.543 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion: 93 Resp: 101931
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.2 99.2
 174 111.7 90.8 136.2





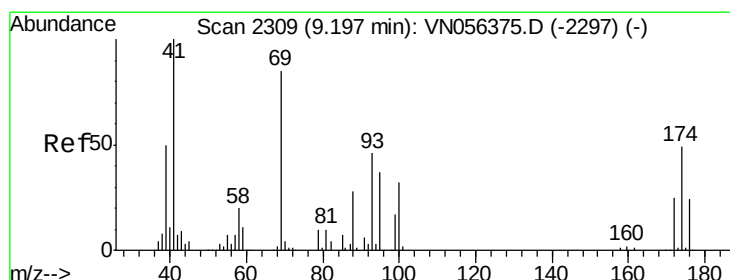
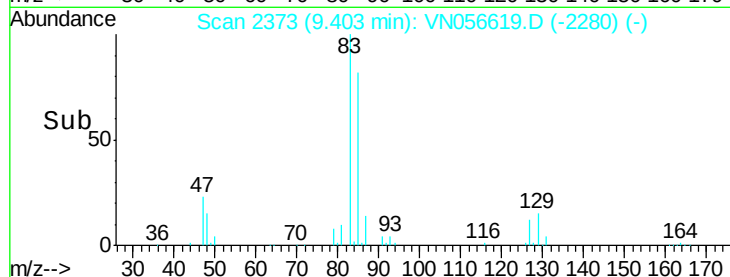
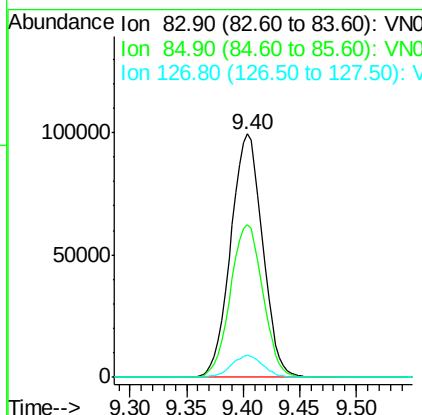
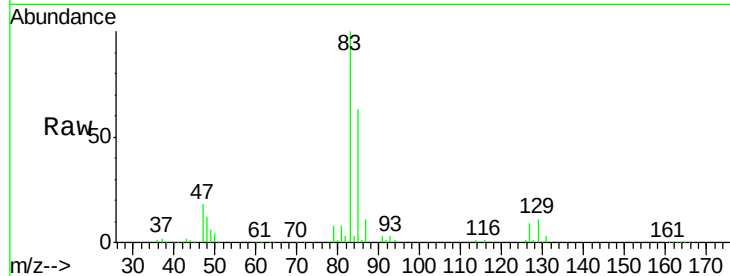
#47
Bromodichloromethane
Concen: 53.556 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	195426
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	52.2	78.4
127	9.0	7.3	10.9

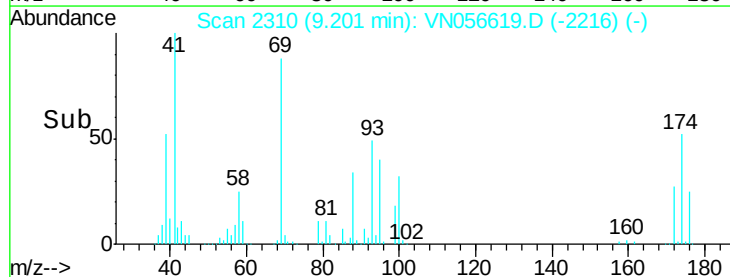
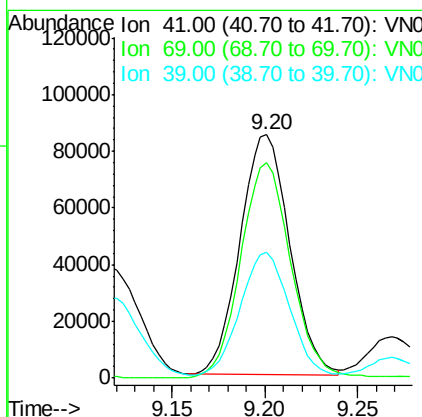
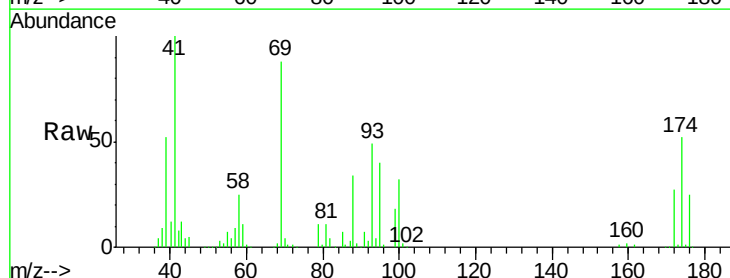
Manual Integrations
APPROVED

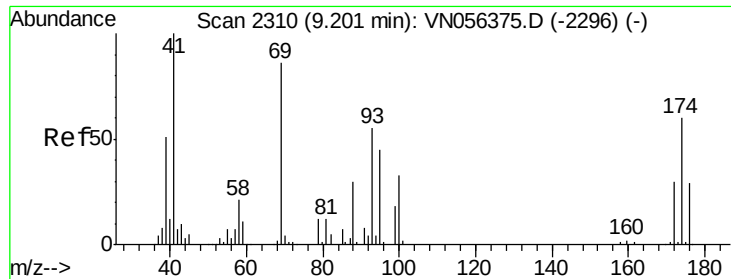
MMDadoda
7/9/2019 9:46:54 AM



#48
Methyl methacrylate
Concen: 52.221 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	41	Resp	158525
Ion Ratio	100	Lower	Upper
41	100		
69	90.6	72.6	109.0
39	52.8	42.6	63.8





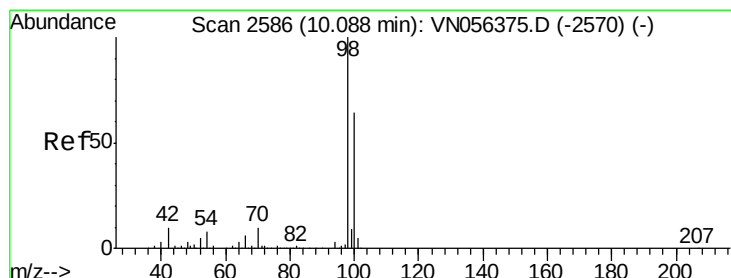
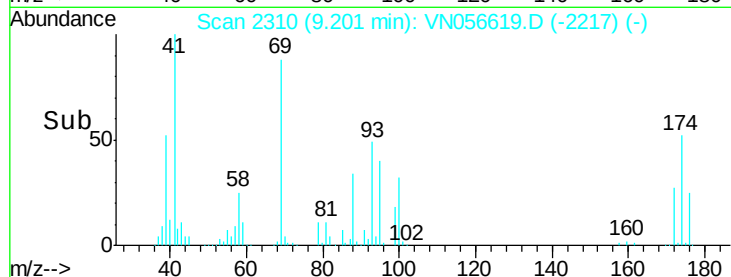
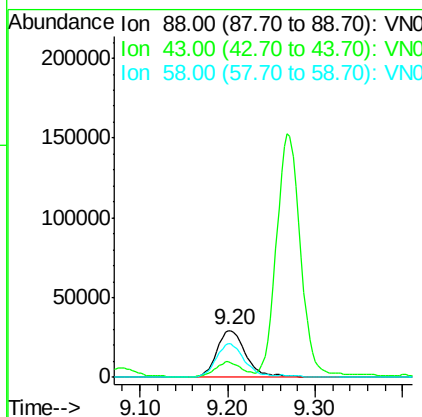
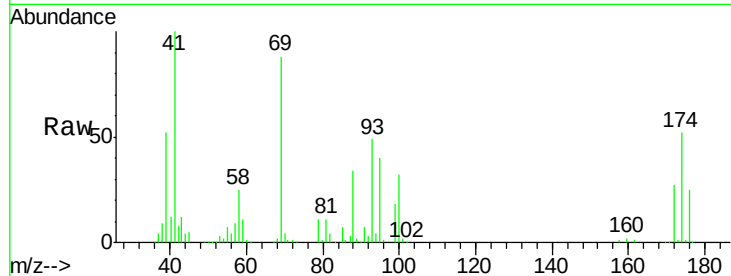
#49
1,4-Dioxane
Concen: 1092.850 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	68846
Ion	Ratio	Lower	Upper
88	100		
43	27.7	22.0	33.0
58	68.3	51.8	77.8

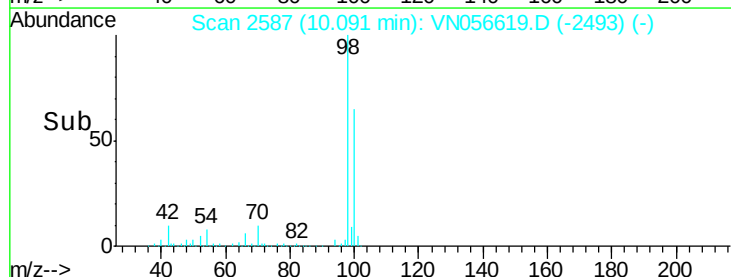
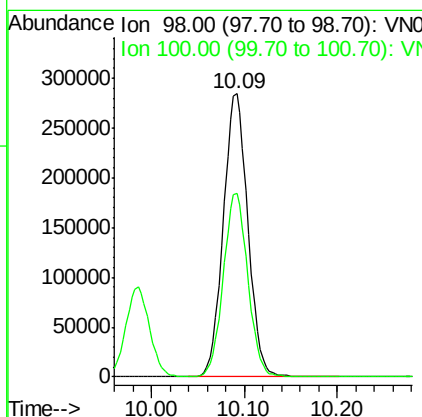
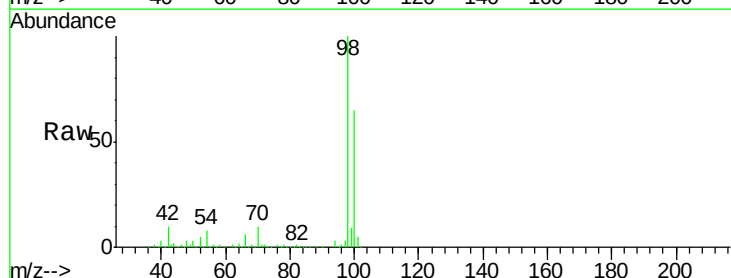
Manual Integrations
APPROVED

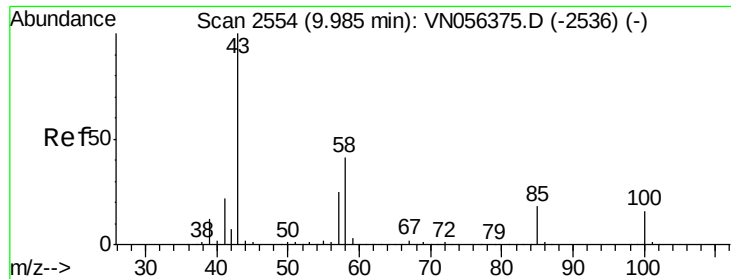
MMDadoda
7/9/2019 9:46:54 AM



#50
Toluene-d8
Concen: 47.349 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	98	Resp	522002
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 278.703 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1089700

Ion Ratio Lower Upper

43 100

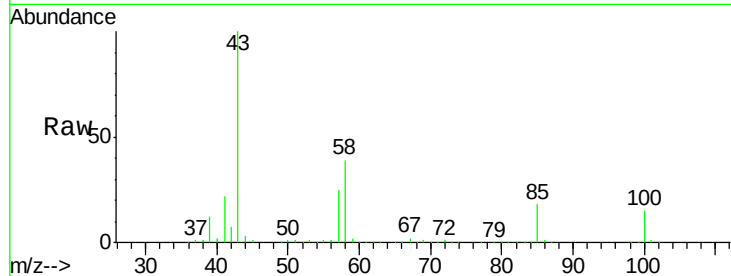
58 39.4 31.8 47.8

Manual Integrations

APPROVED

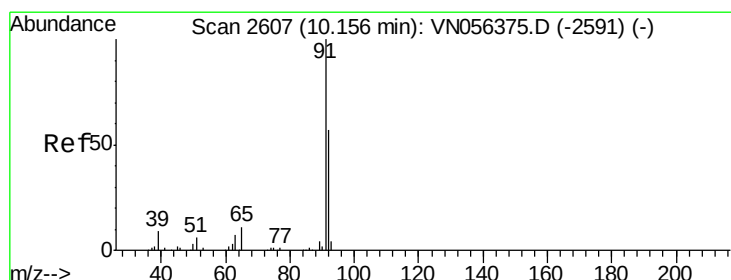
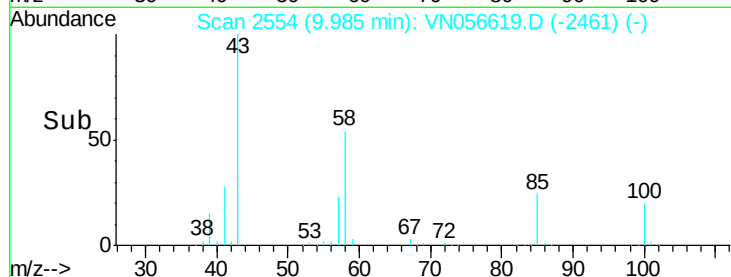
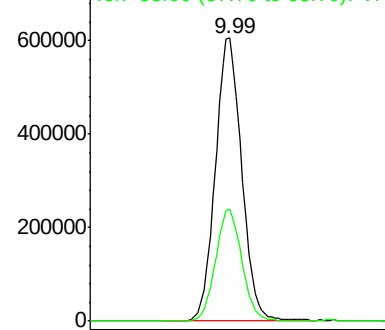
MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.479 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056619.D

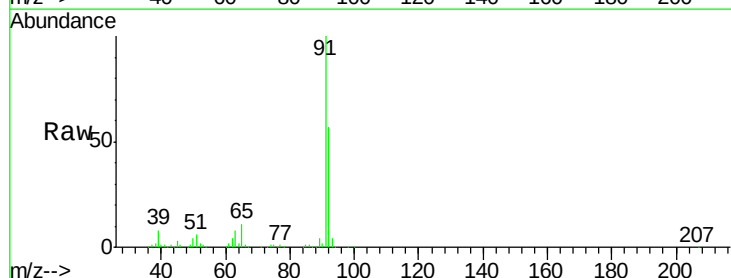
Acq: 8 Jul 2019 19:01

Tgt Ion: 92 Resp: 356941

Ion Ratio Lower Upper

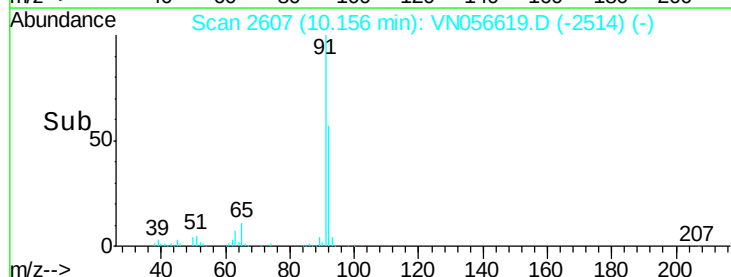
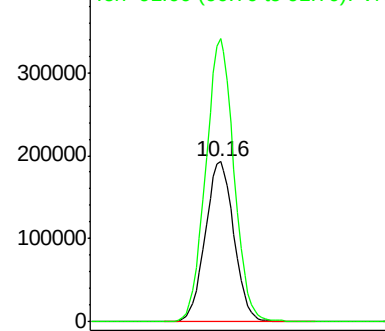
92 100

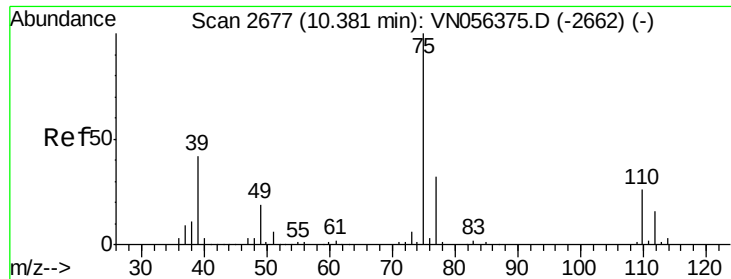
91 174.5 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





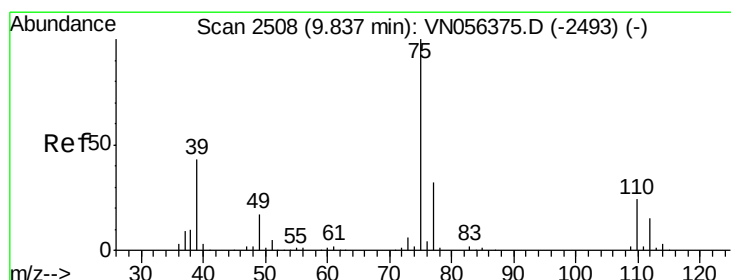
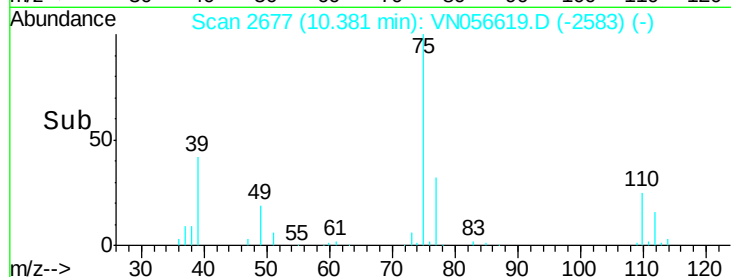
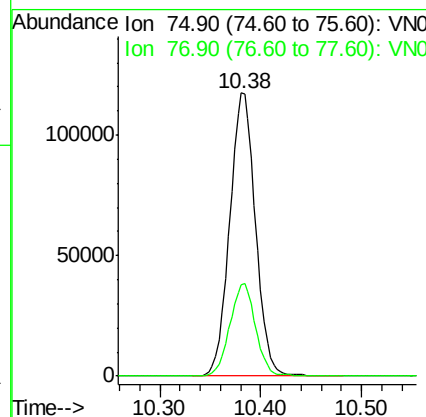
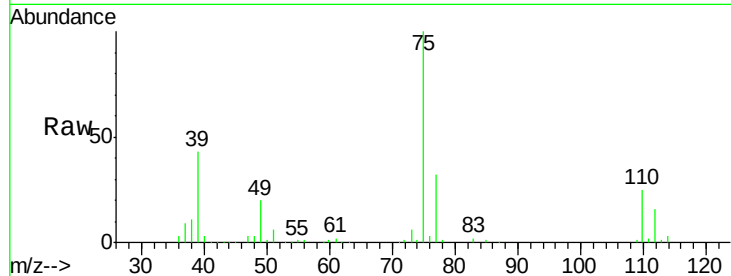
#53
 t-1,3-Dichloropropene
 Concen: 49.376 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 209686
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.2

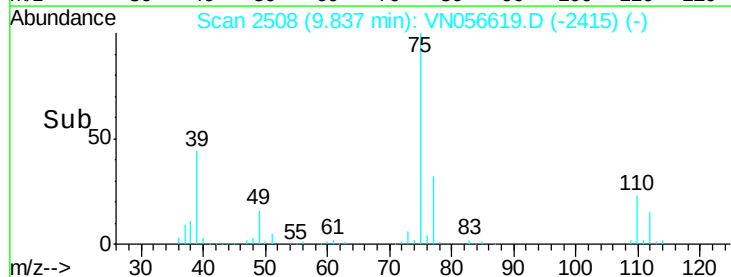
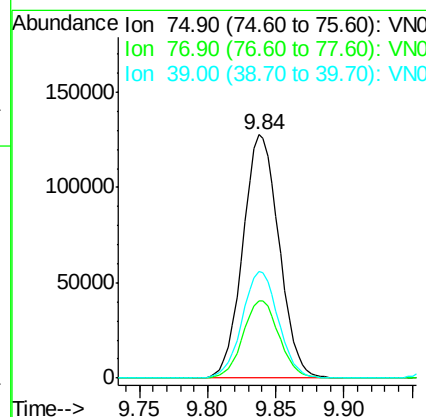
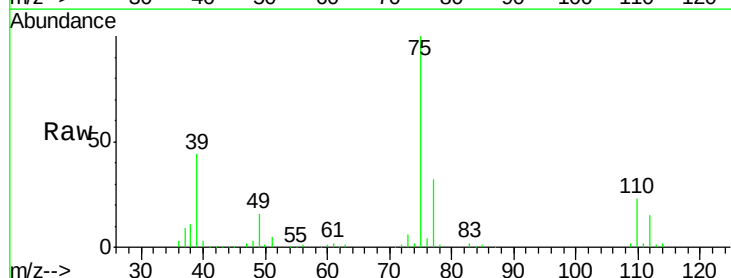
Manual Integrations
 APPROVED

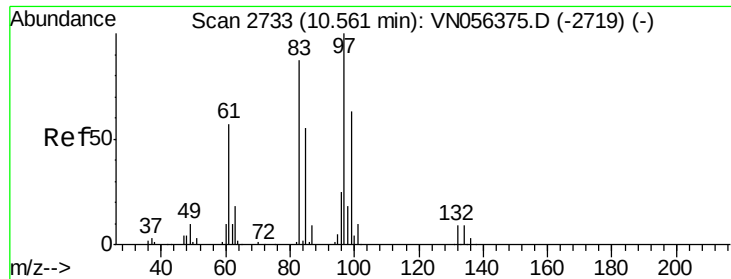
MMDadoda
 7/9/2019 9:46:54 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.481 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion: 75 Resp: 235007
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 43.7 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 50.392 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

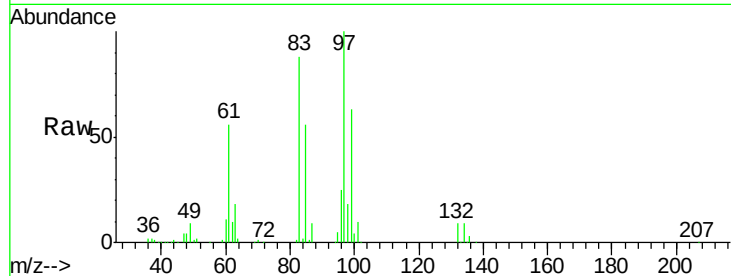
ClientSampled :

VSTDCCC050EC

Tot Ion:	97	Resp:	152277
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.8	104.6
85	56.0	43.8	65.8
99	62.7	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:54 AM

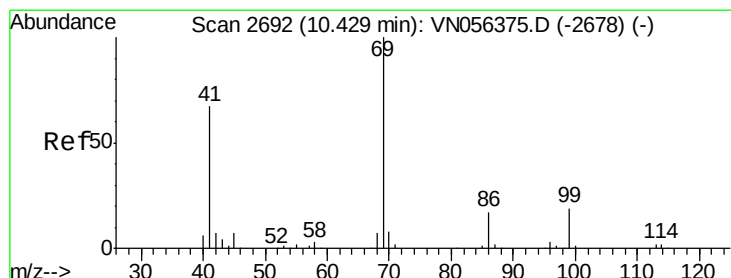
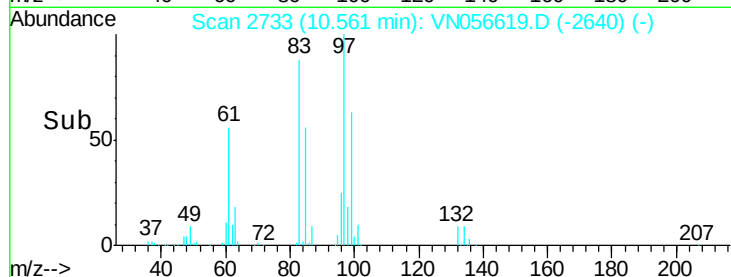
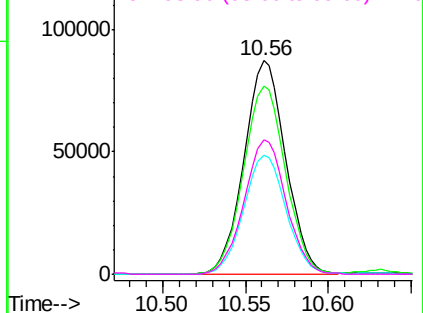


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.561 ug/l

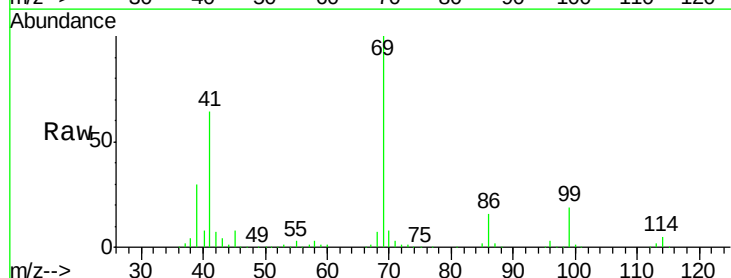
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

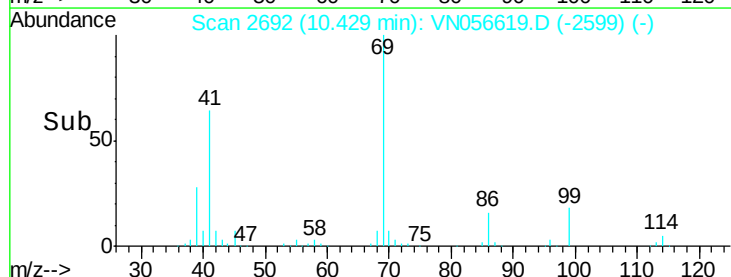
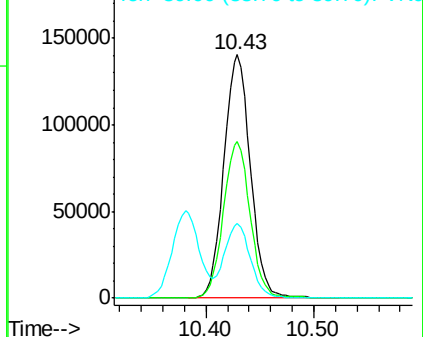
Tgt Ion:	69	Resp:	240952
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.4	77.2
39	30.0	24.7	37.1

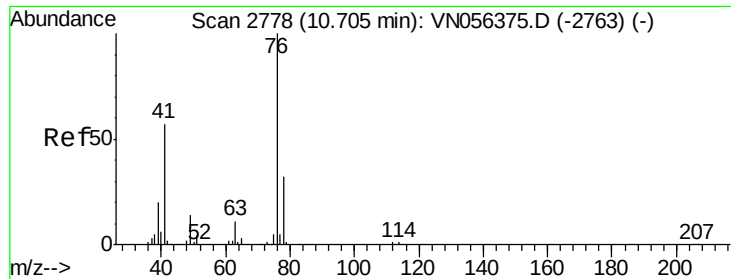


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





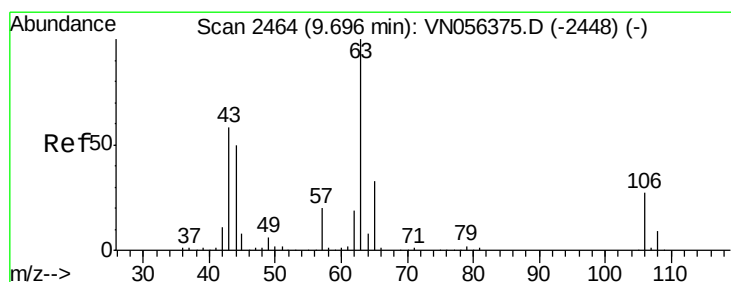
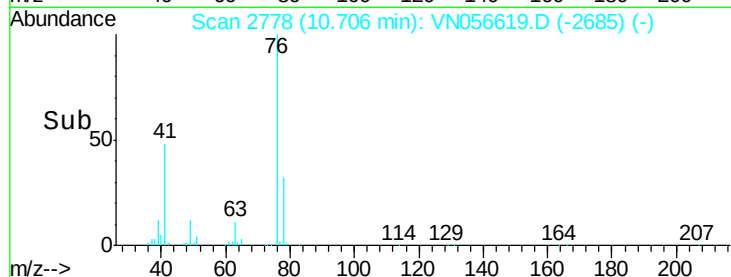
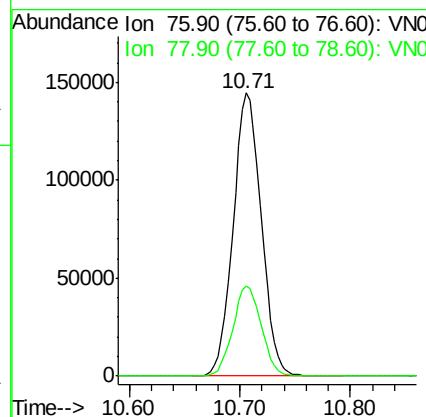
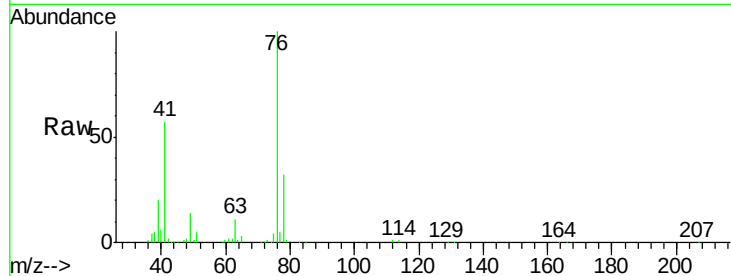
#57
 1,3-Dichloropropane
 Concen: 50.318 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 255441
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9

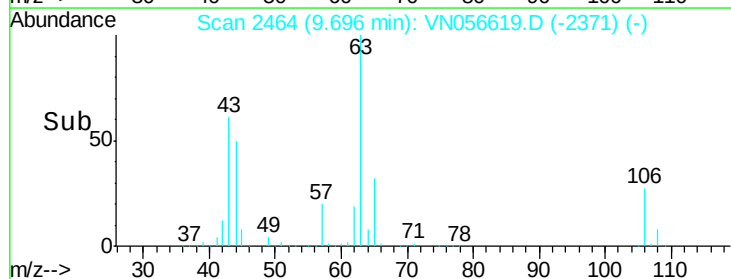
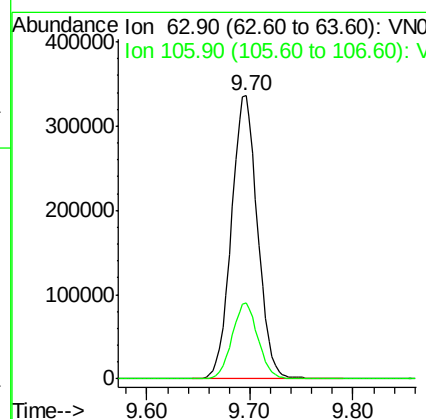
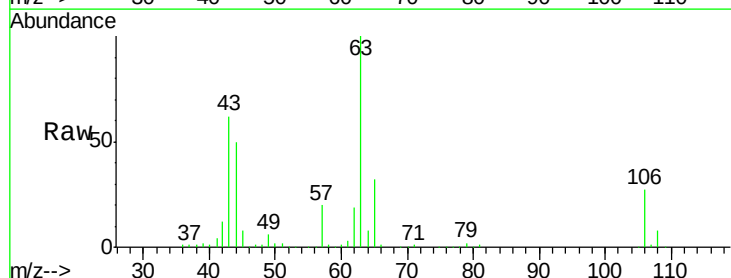
Manual Integrations
 APPROVED

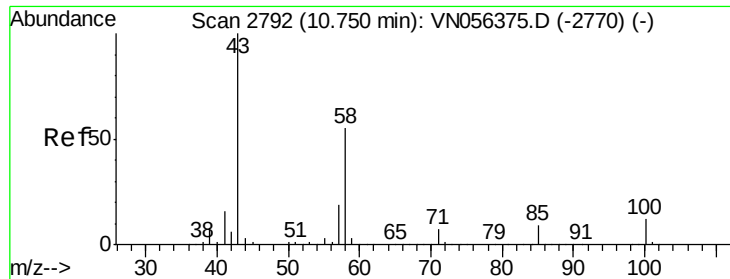
MMDadoda
 7/9/2019 9:46:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 374.376 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion: 63 Resp: 593959
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.6 32.4





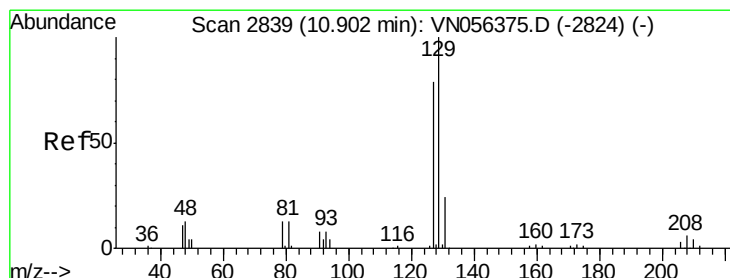
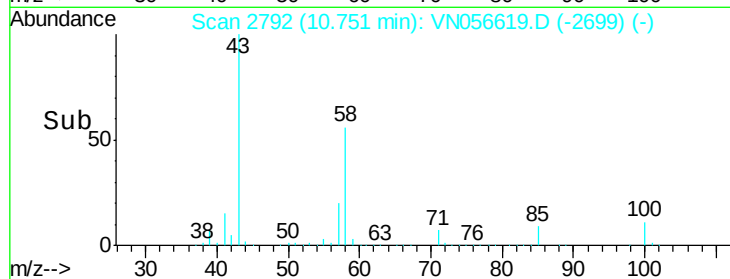
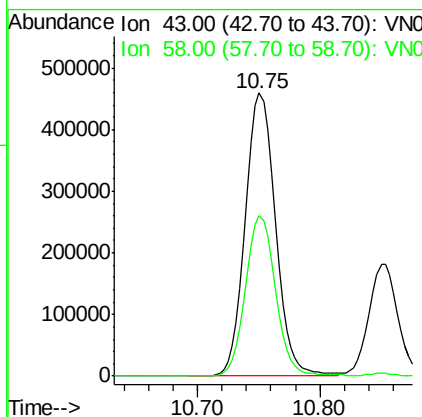
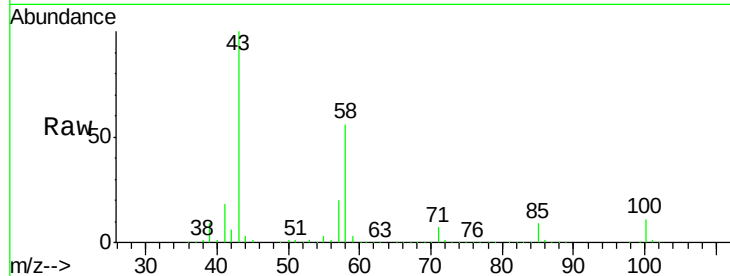
#59
2-Hexanone
Concen: 272.989 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 784475
Ion Ratio Lower Upper
43 100
58 56.2 27.8 83.4

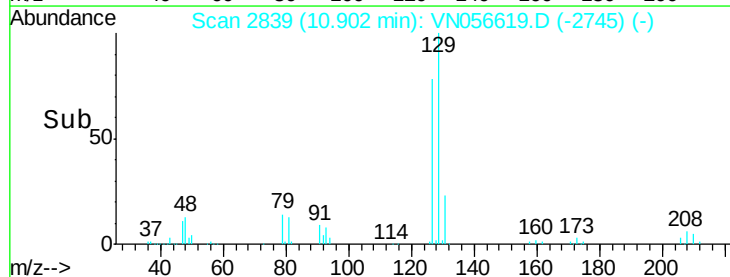
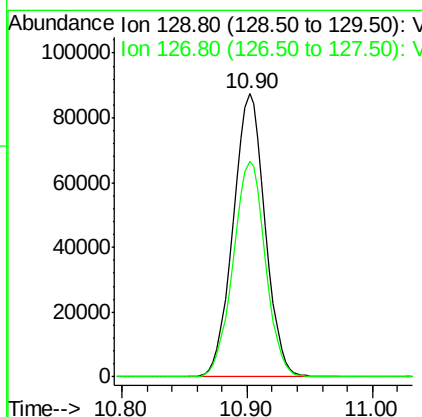
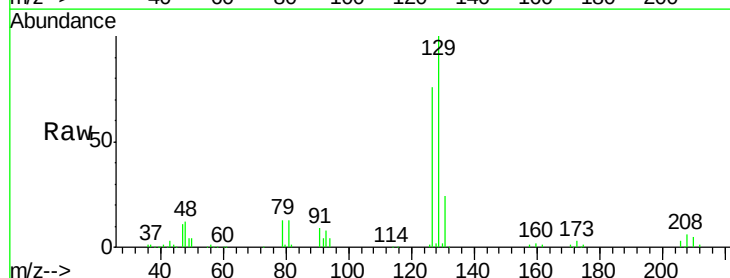
Manual Integrations
APPROVED

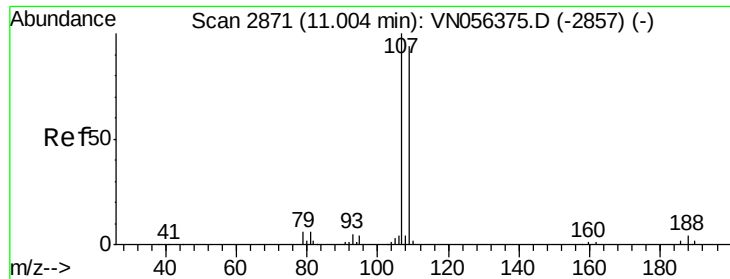
MMDadoda
7/9/2019 9:46:54 AM



#60
Dibromochloromethane
Concen: 49.802 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion: 129 Resp: 154657
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





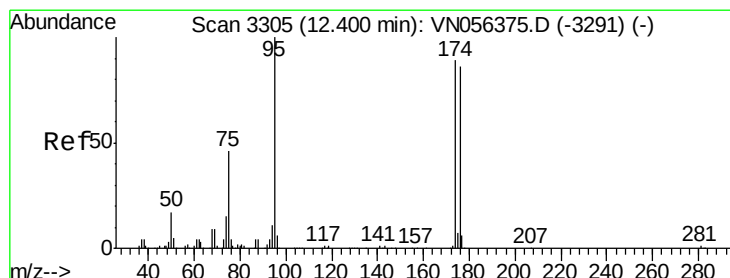
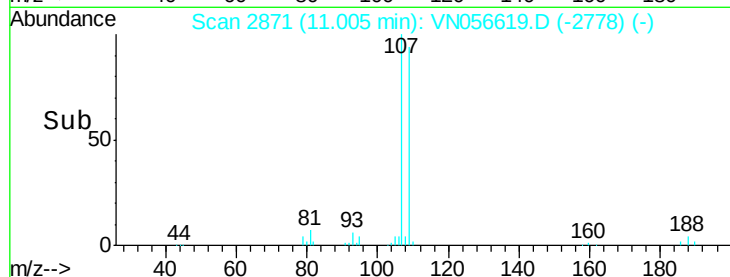
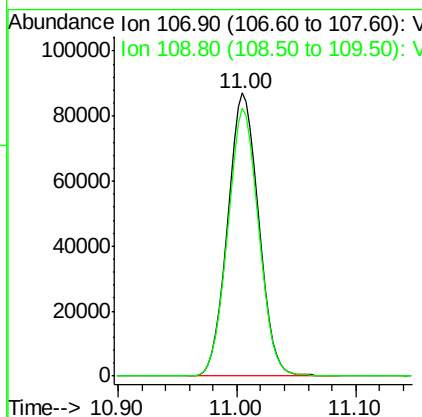
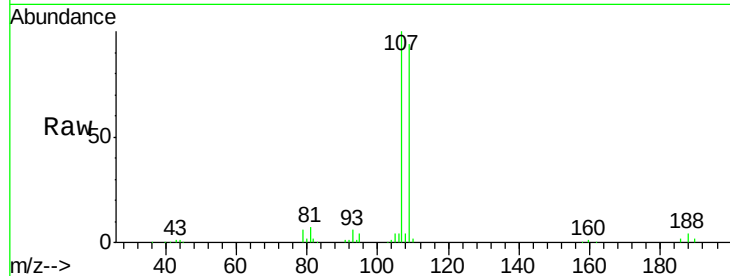
#61
 1,2-Dibromoethane
 Concen: 51.000 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.3	112.9

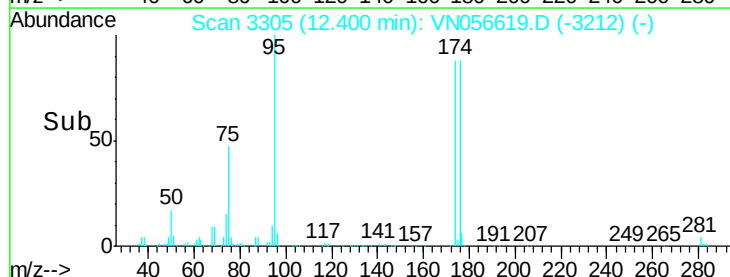
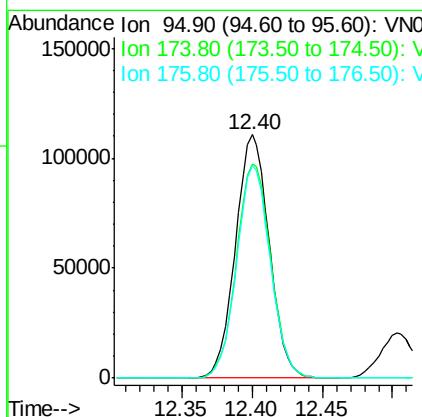
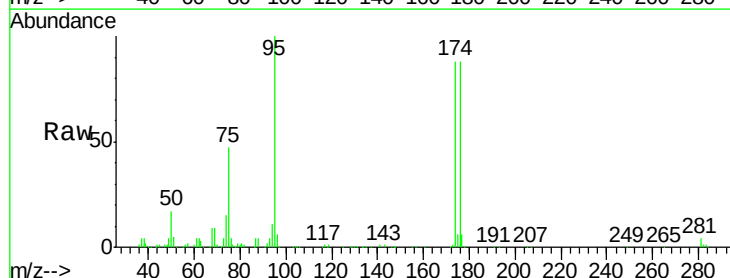
Manual Integrations
 APPROVED

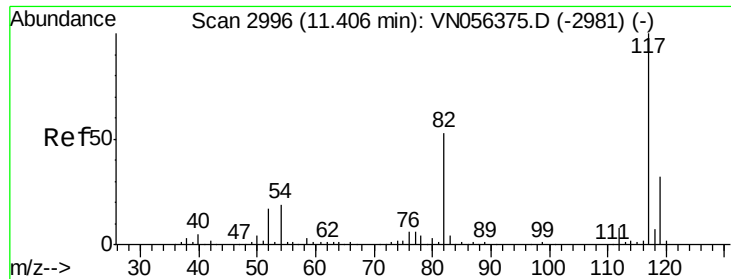
MMDadoda
 7/9/2019 9:46:54 AM



#62
 4-Bromofluorobenzene
 Concen: 50.564 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	179.4
176	87.0	0.0	173.4





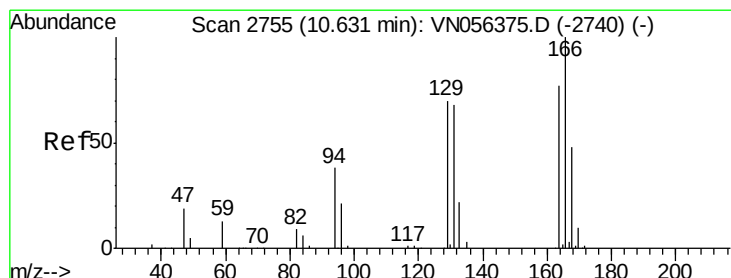
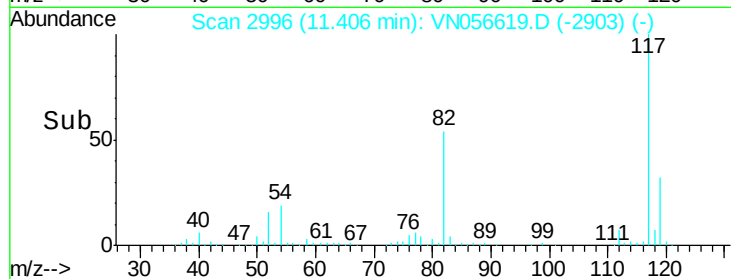
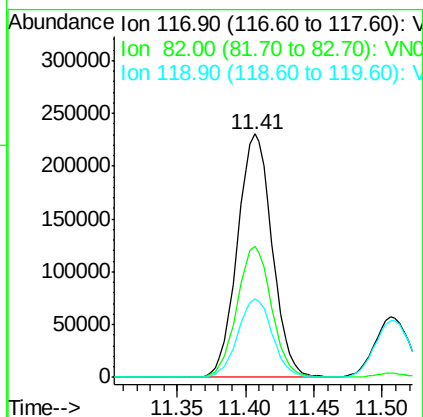
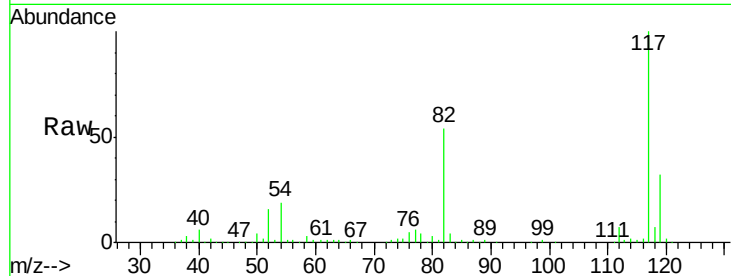
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.0	63.0
119	32.3	25.3	37.9

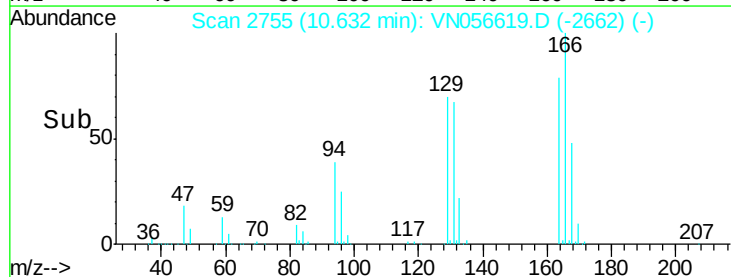
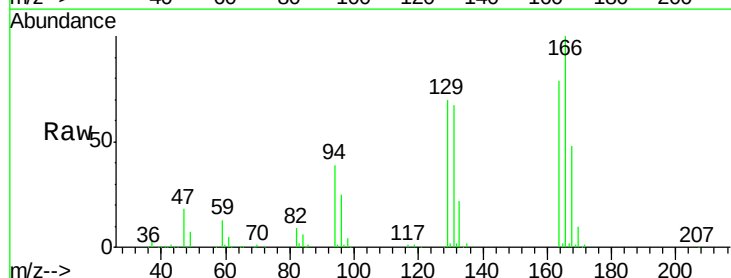
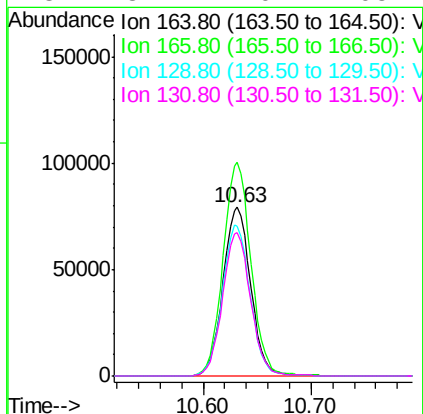
Manual Integrations
APPROVED

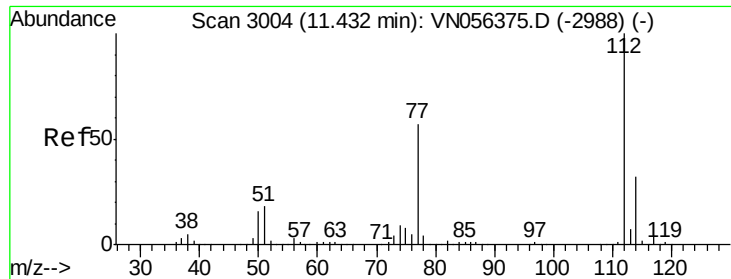
MMDadoda
7/9/2019 9:46:54 AM



#64
Tetrachloroethene
Concen: 44.130 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.4	155.0
129	88.9	72.0	108.0
131	84.7	70.2	105.2





#65

Chlorobenzene

Concen: 47.282 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 386582

Ion Ratio Lower Upper

112 100

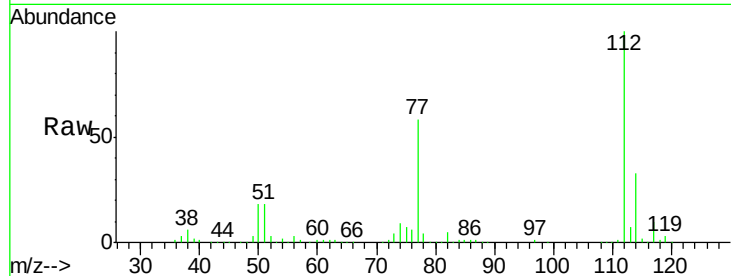
114 32.8 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

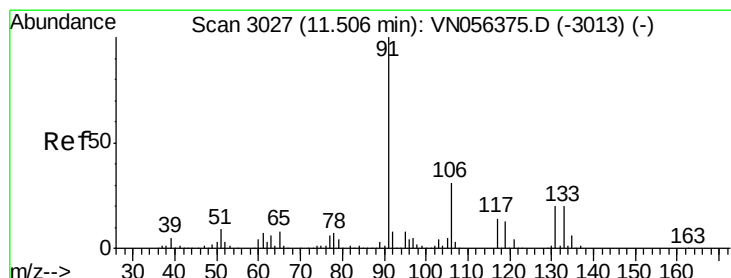
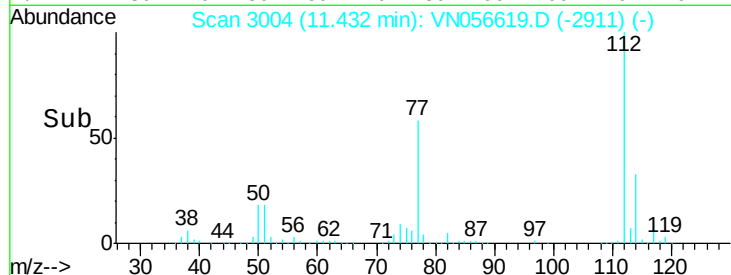
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.151 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

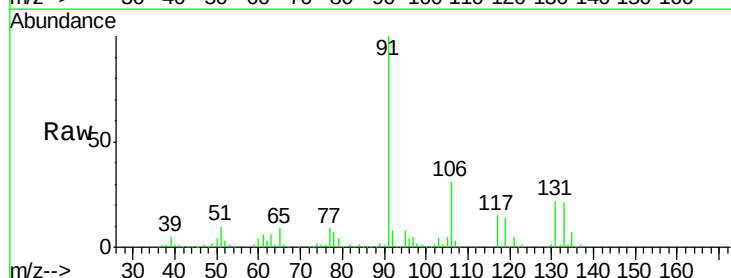
Tgt Ion:131 Resp: 146872

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.2

119 65.7 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

100000

80000

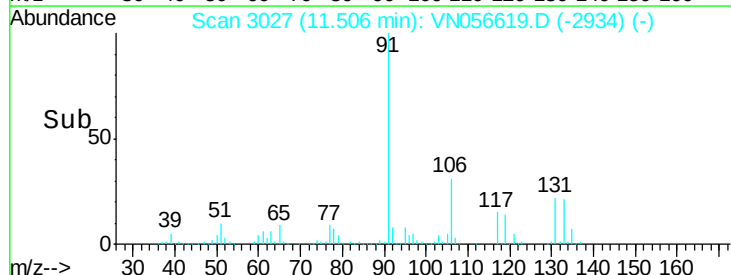
60000

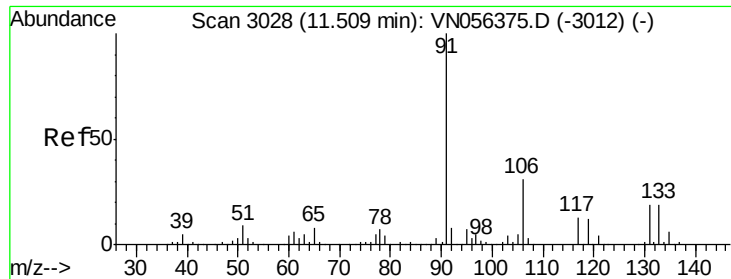
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 47.647 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 684027

Ion Ratio Lower Upper

91 100

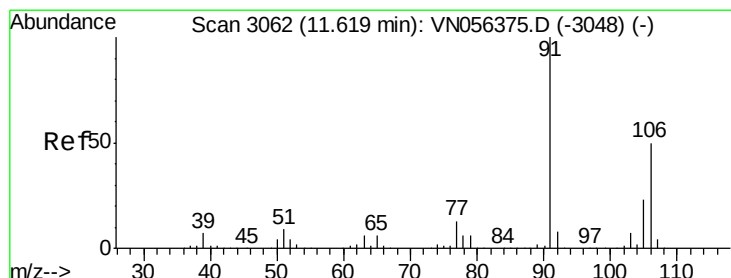
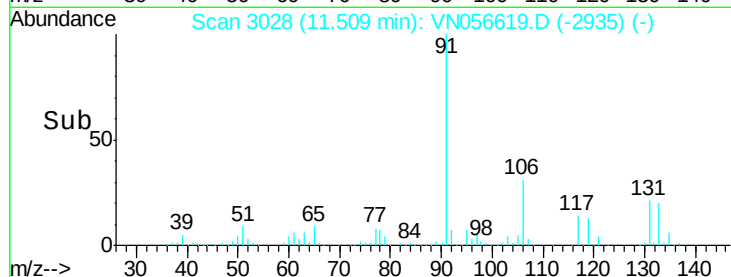
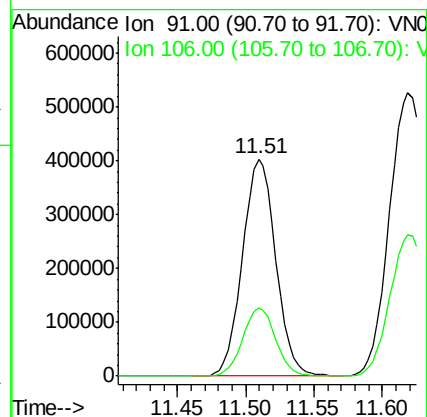
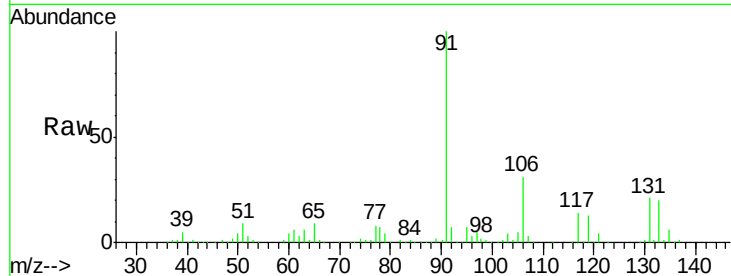
106 31.4 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

7/9/2019 9:46:54 AM



#68

m/p-Xylenes

Concen: 97.376 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056619.D

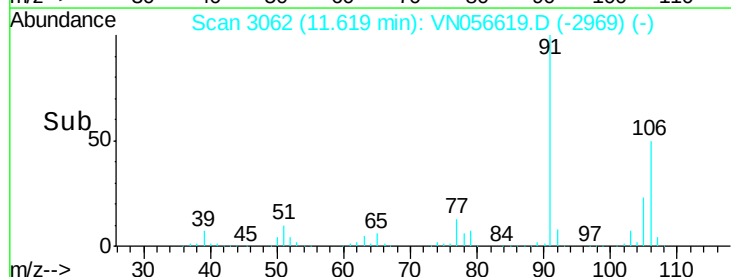
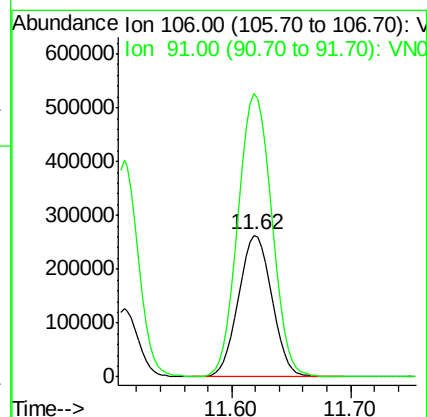
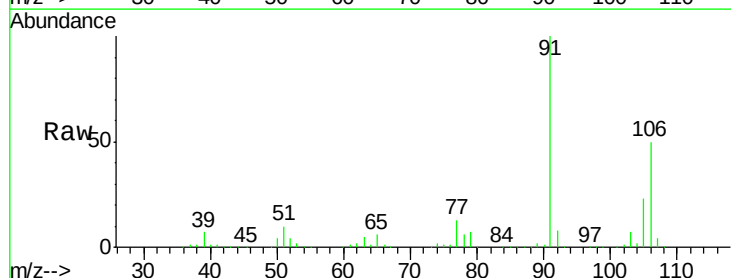
Acq: 8 Jul 2019 19:01

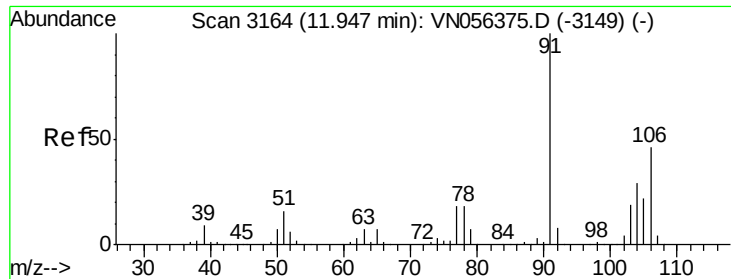
Tgt Ion: 106 Resp: 512310

Ion Ratio Lower Upper

106 100

91 203.0 160.1 240.1





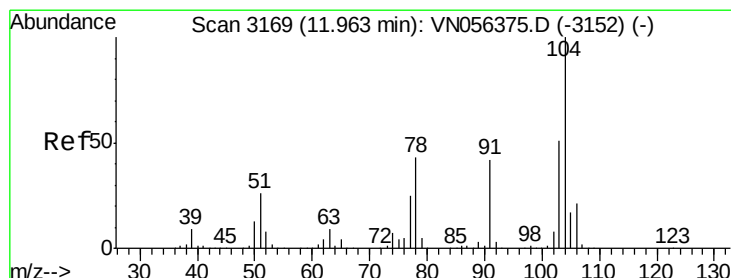
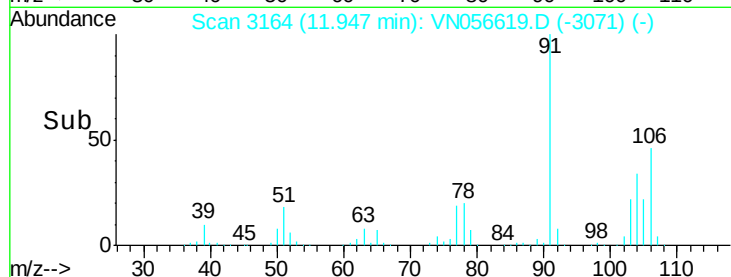
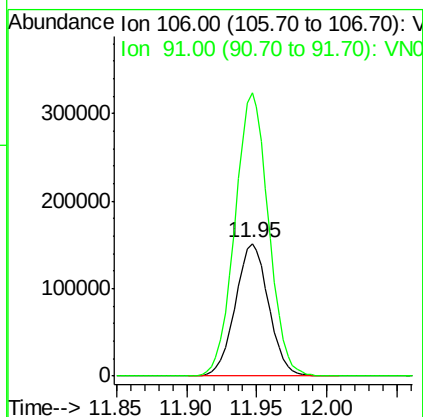
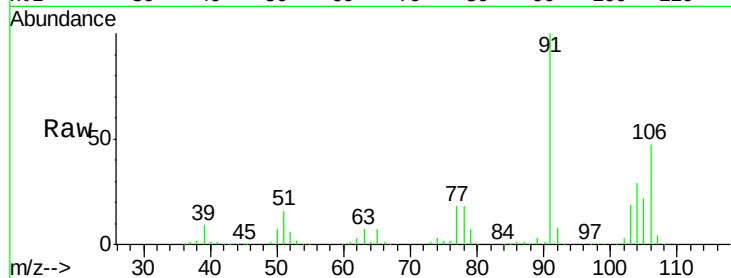
#69
o-Xylene
Concen: 48.164 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		250699		
91	215.0	107.1	321.3		

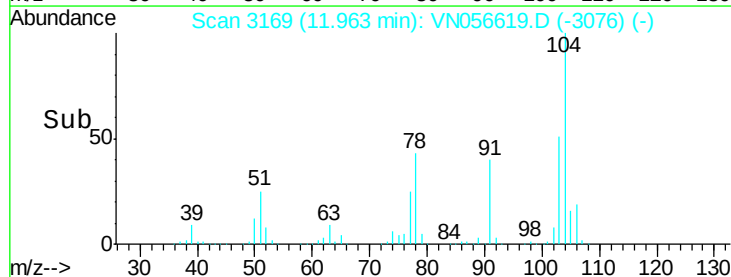
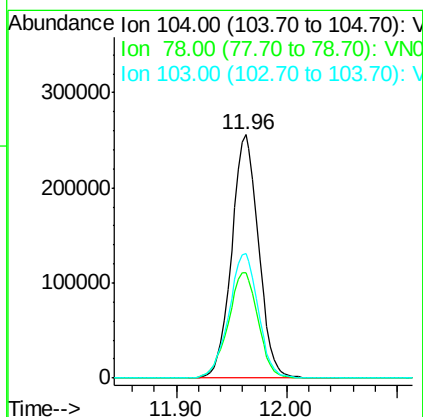
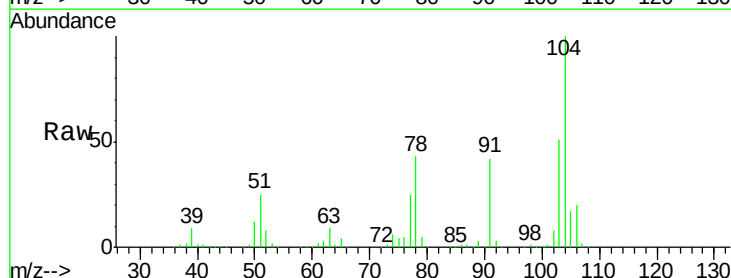
Manual Integrations
APPROVED

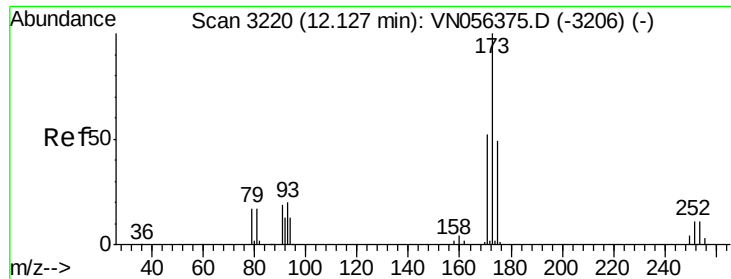
MMDadoda
7/9/2019 9:46:54 AM



#70
Styrene
Concen: 51.940 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		432132		
78	48.2	38.6	57.8		
103	55.9	43.9	65.9		





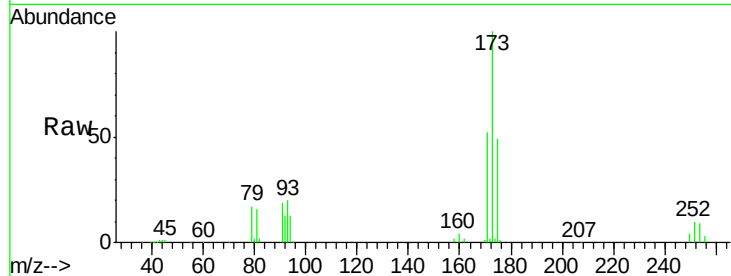
#71
Bromoform
Concen: 50.674 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

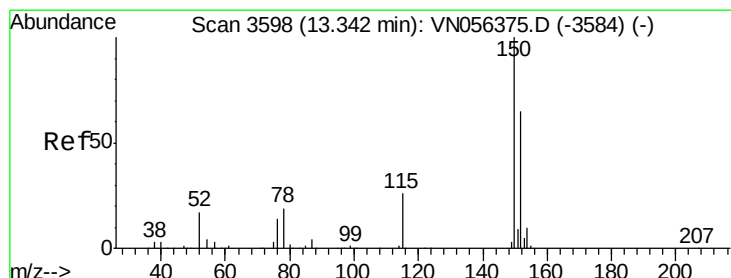
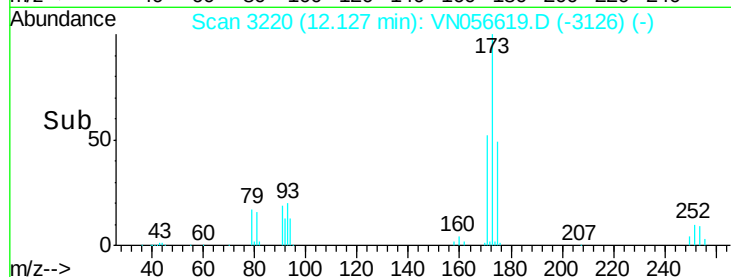
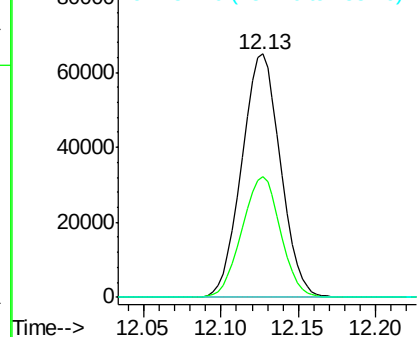
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:54 AM

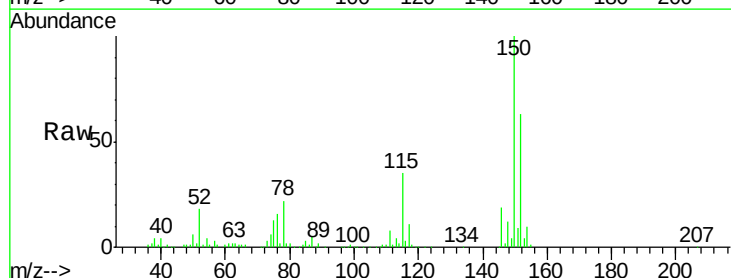


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

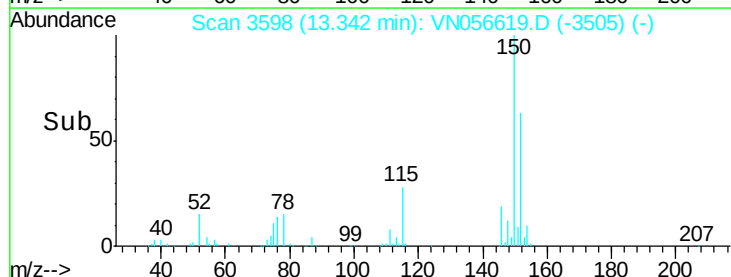
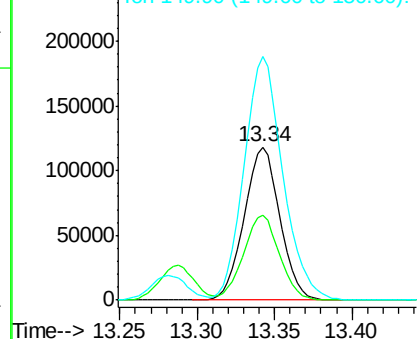


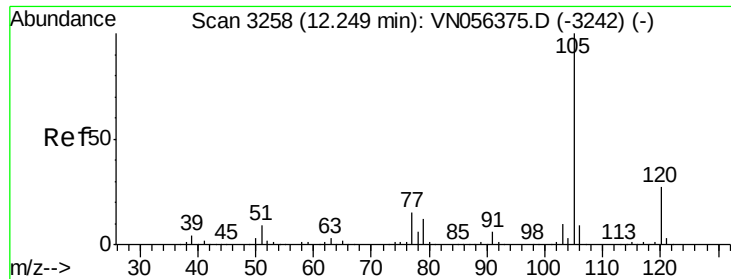
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.4
150	173.3	0.0	348.4



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: 47.452 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 676327

Ion Ratio Lower Upper

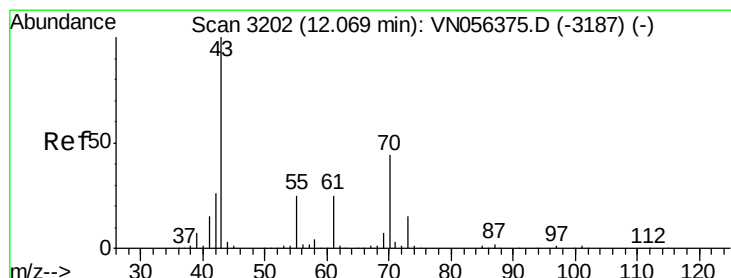
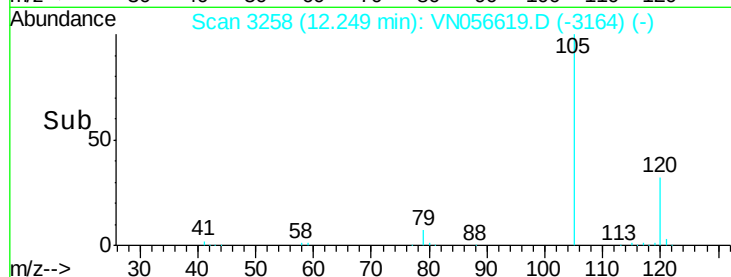
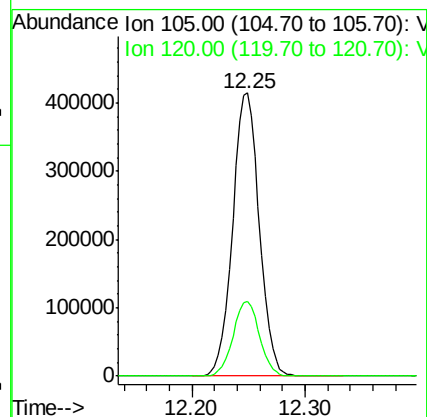
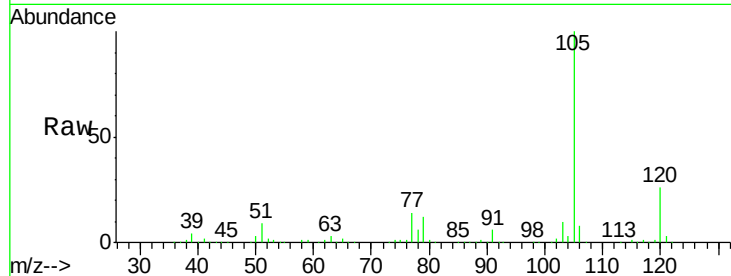
105 100

120 26.3 13.4 40.2

Manual Integrations
APPROVED

MMDadoda

7/9/2019 9:46:54 AM



#74

N-ethyl acetate

Concen: 46.134 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Tgt Ion: 43 Resp: 277812

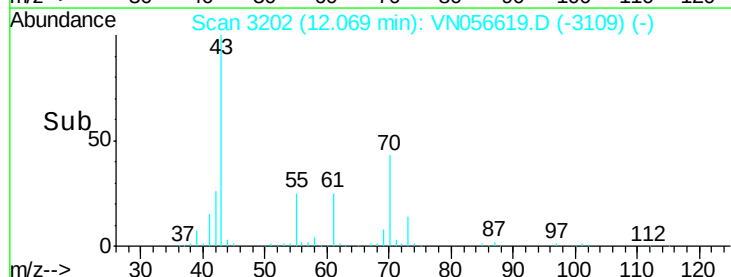
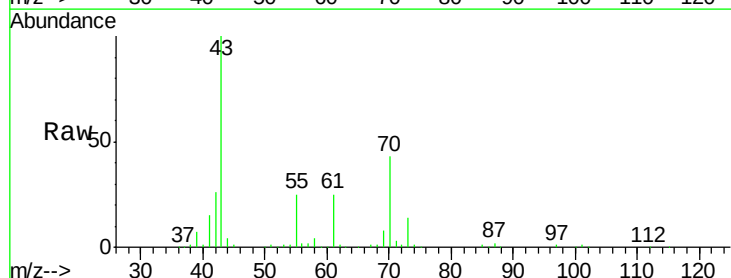
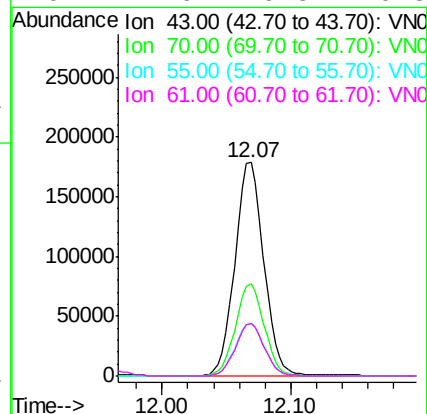
Ion Ratio Lower Upper

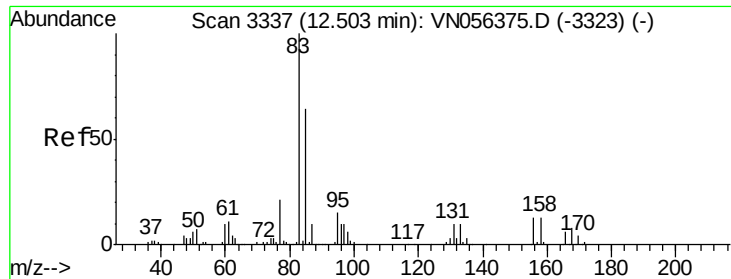
43 100

70 43.0 34.9 52.3

55 25.4 20.4 30.6

61 24.6 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.065 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

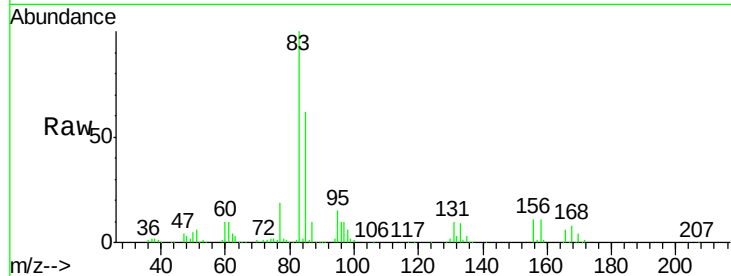
ClientSampleId :

VSTDCCC050EC

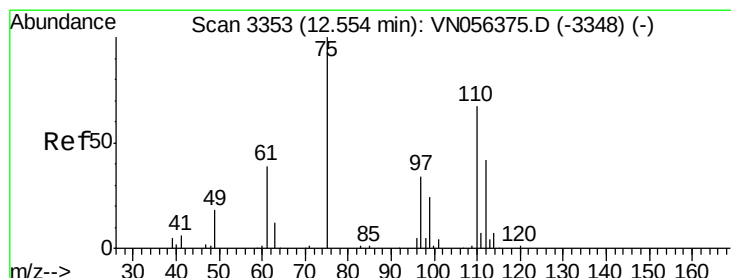
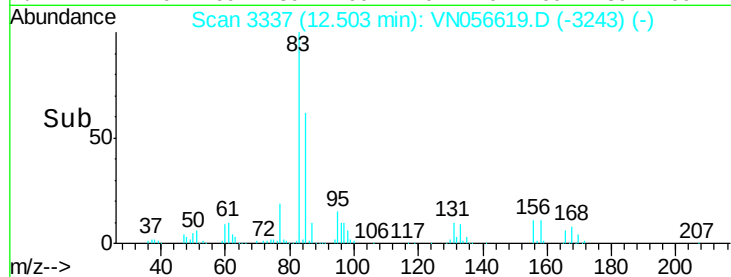
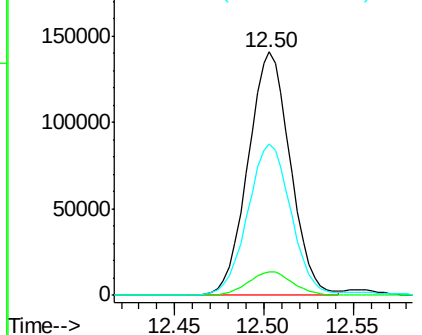
Tot Ion:	83	Resp:	232644
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	63.5	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:54 AM



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



#76

1,2,3-Trichloropropane

Concen: 47.169 ug/l m

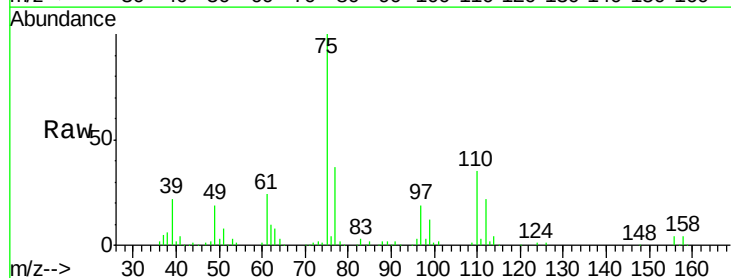
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

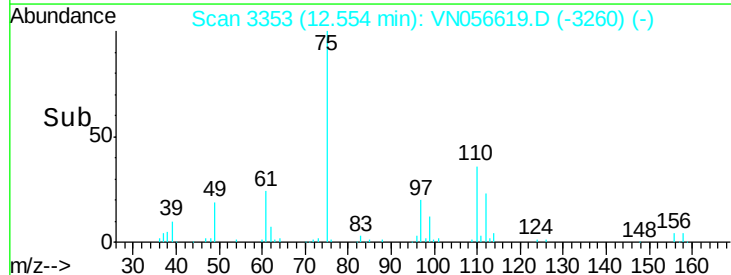
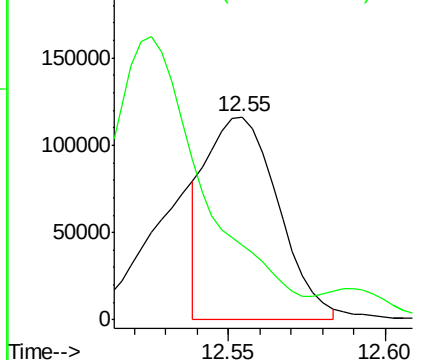
Lab File: VN056619.D

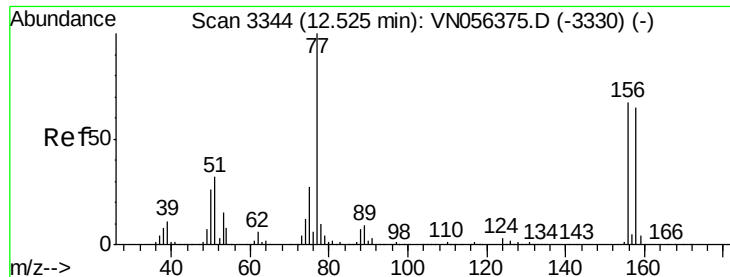
Acq: 8 Jul 2019 19:01

Tgt Ion:	75	Resp:	185061
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





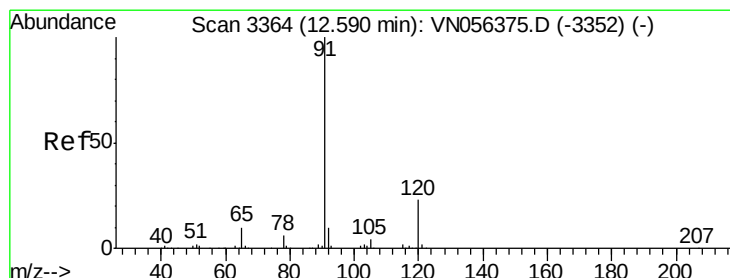
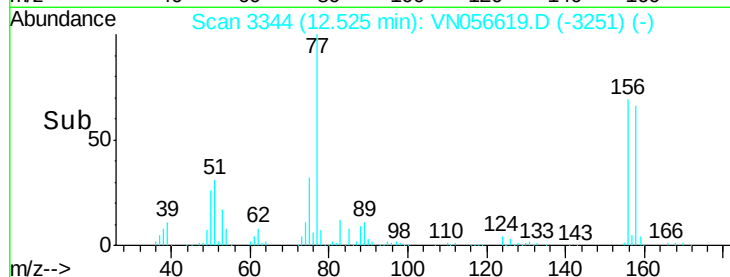
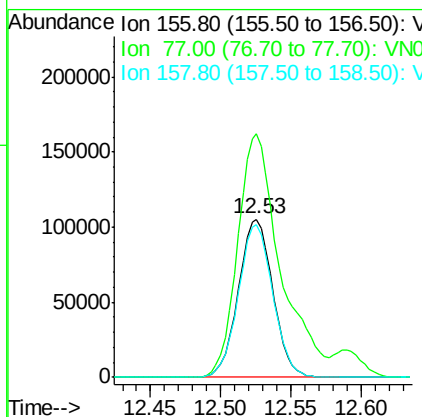
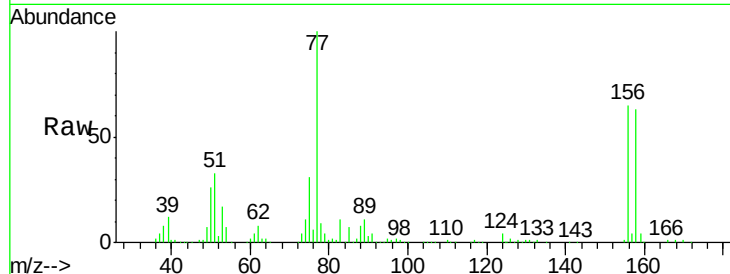
#77
Bromobenzene
Concen: 42.533 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		179949		
77	191.5	92.5	277.3		
158	97.0	48.7	146.1		

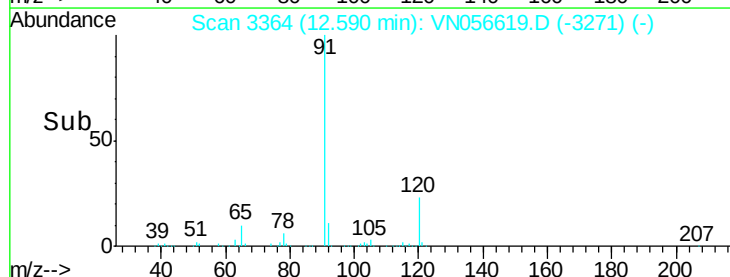
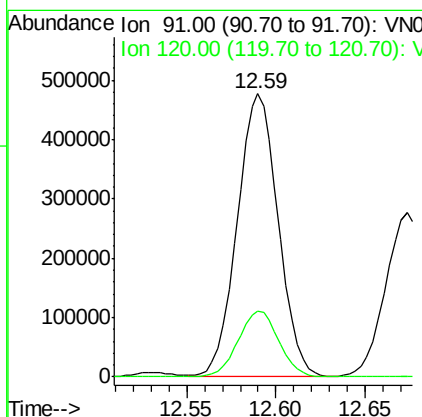
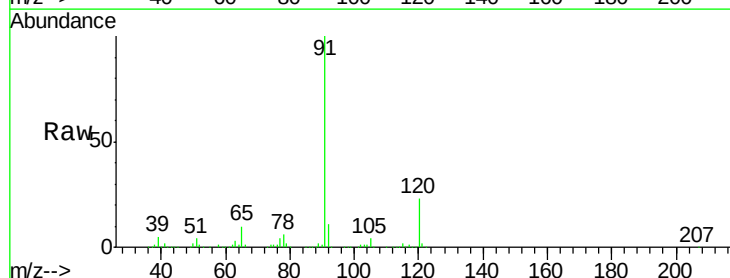
Manual Integrations
APPROVED

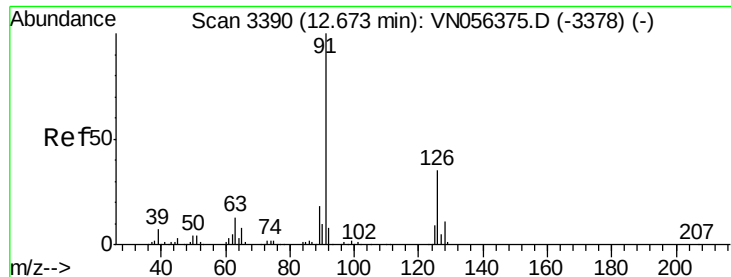
MMDadoda
7/9/2019 9:46:54 AM



#78
n-propylbenzene
Concen: 43.806 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		759041		
120	23.3	11.8	35.4		





#79

2-Chlorotoluene

Concen: 47.721 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 454509

Ion Ratio Lower Upper

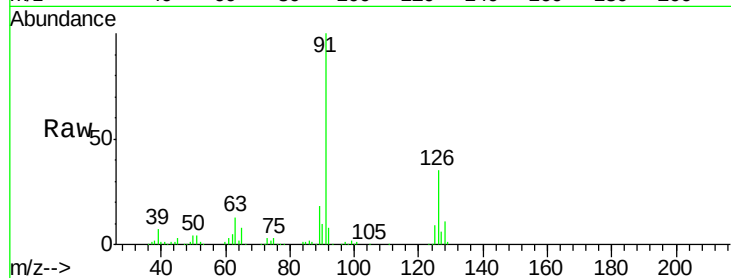
91 100

126 34.9 17.6 52.8

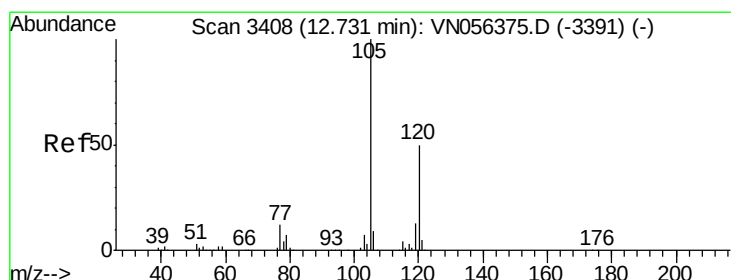
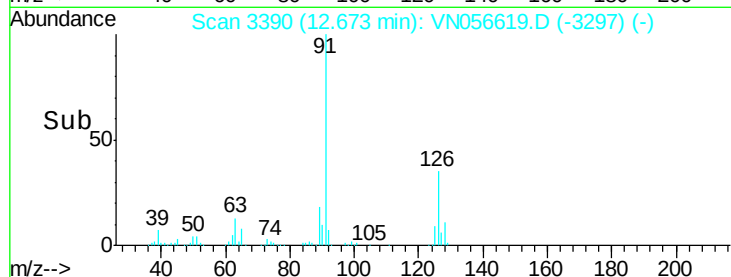
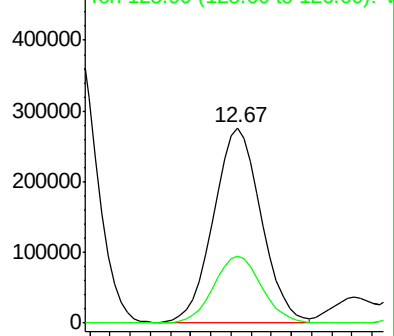
Manual Integrations
APPROVED

MMDadoda

7/9/2019 9:46:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.545 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056619.D

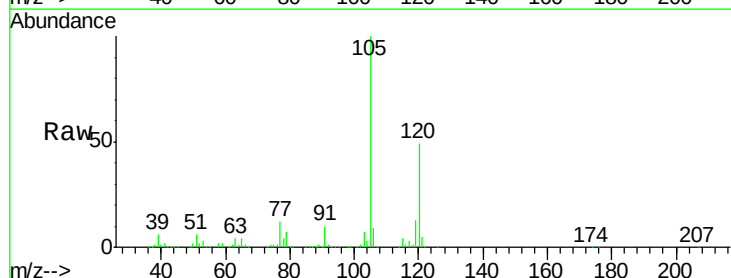
Acq: 8 Jul 2019 19:01

Tgt Ion: 105 Resp: 567483

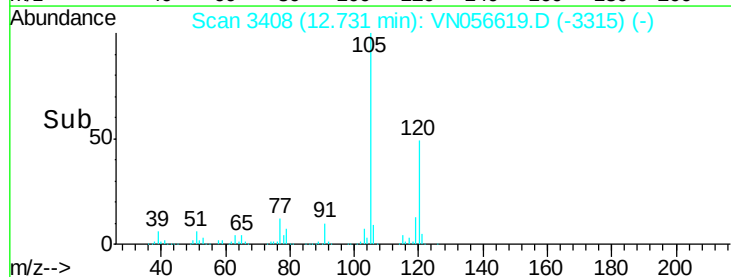
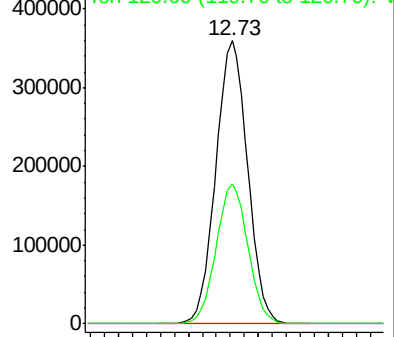
Ion Ratio Lower Upper

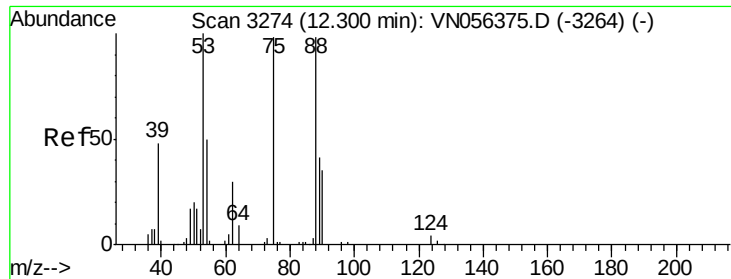
105 100

120 49.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)





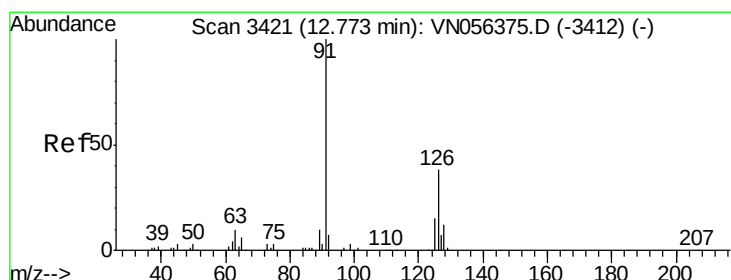
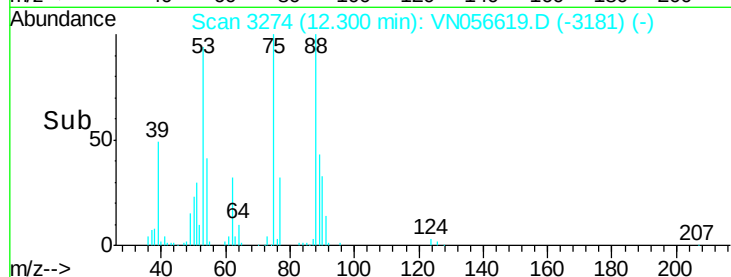
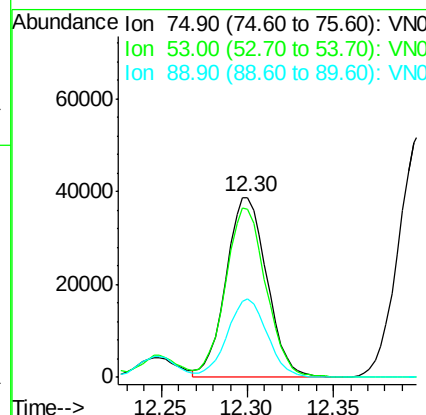
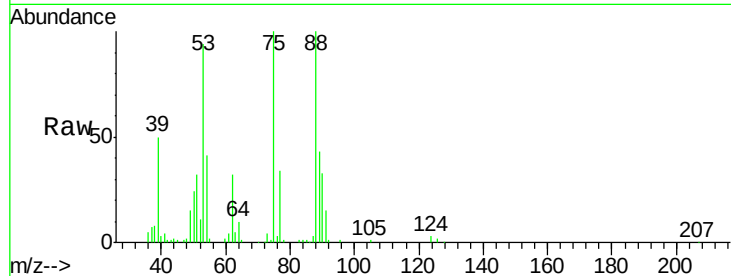
#81
trans-1,4-Dichloro-2-butene
Concen: 58.188 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.4	83.9	125.9
89	42.7	35.0	52.6

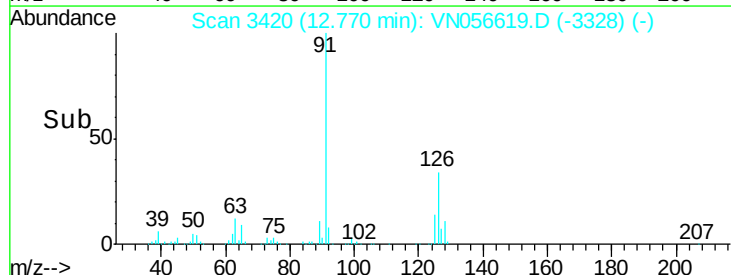
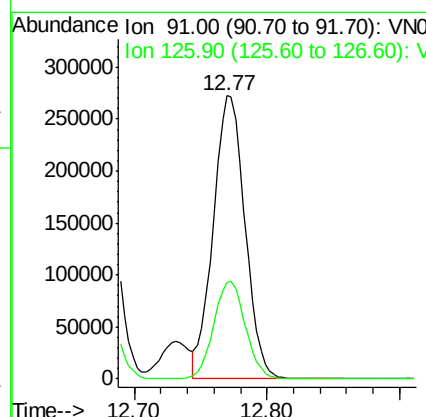
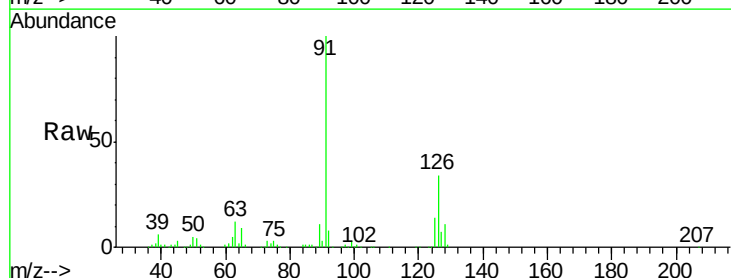
Manual Integrations
APPROVED

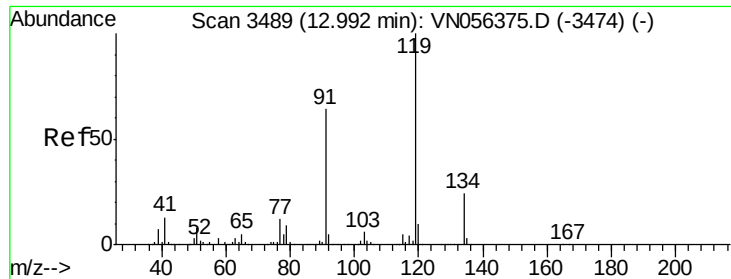
MMDadoda
7/9/2019 9:46:54 AM



#82
4-Chlorotoluene
Concen: 44.272 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	52.0





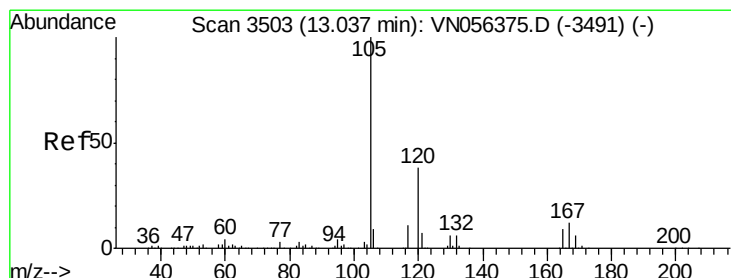
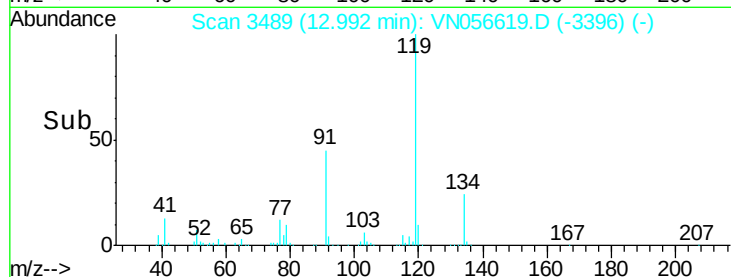
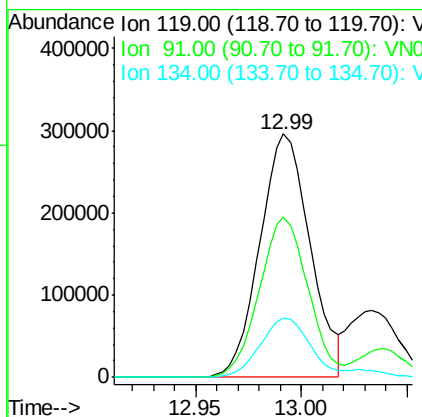
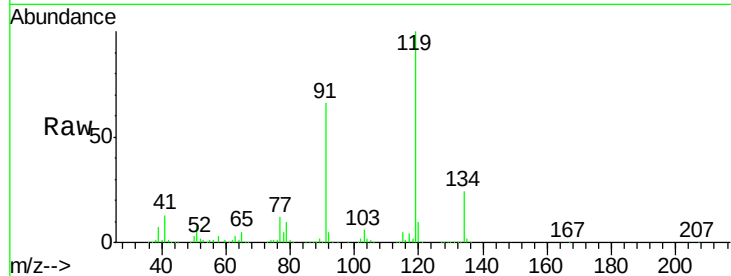
#83
 tert-Butylbenzene
 Concen: 47.221 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	31.6	94.7
134	24.3	13.2	39.5

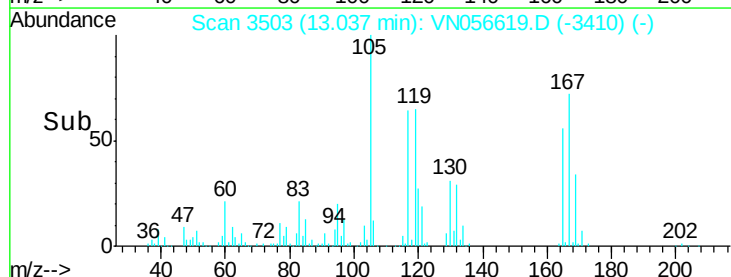
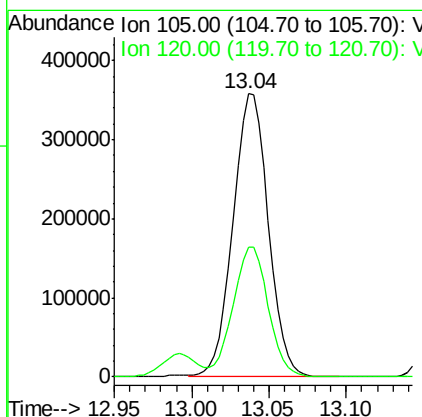
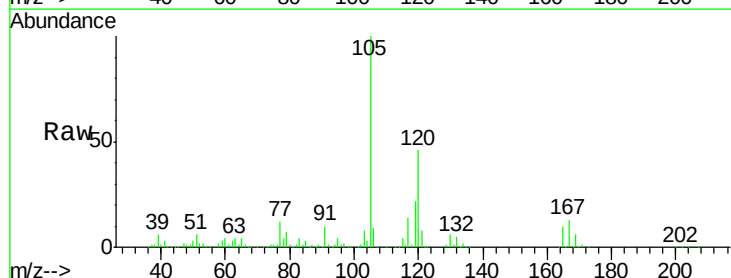
Manual Integrations
 APPROVED

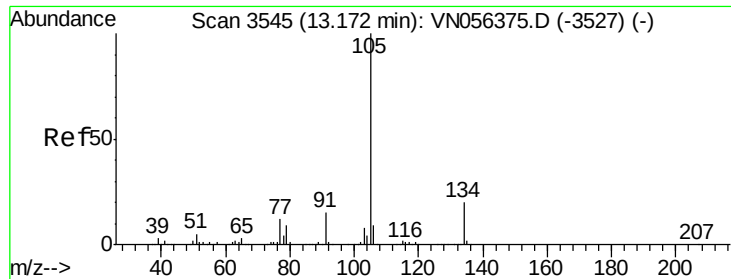
MMDadoda
 7/9/2019 9:46:54 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 44.397 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.8





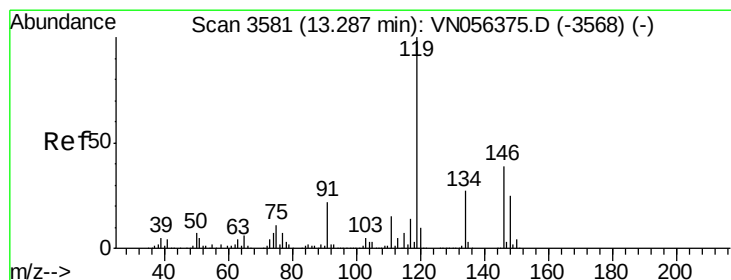
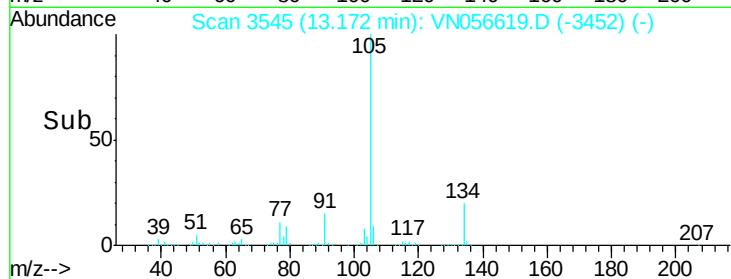
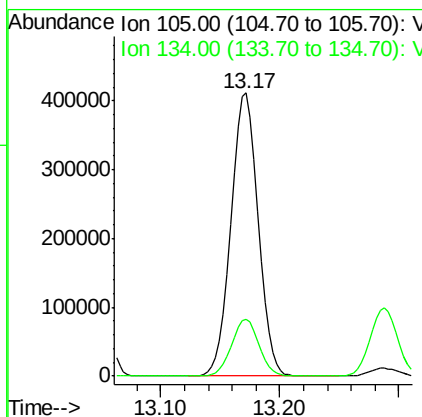
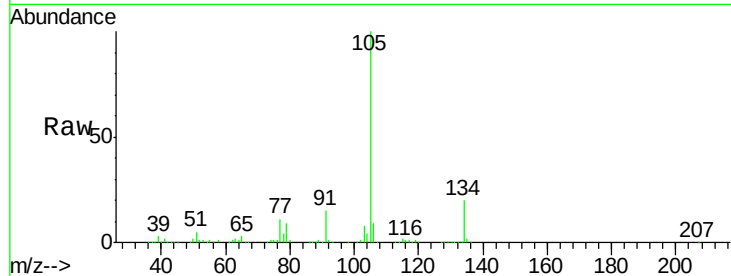
#85
 sec-Butylbenzene
 Concen: 42.727 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4

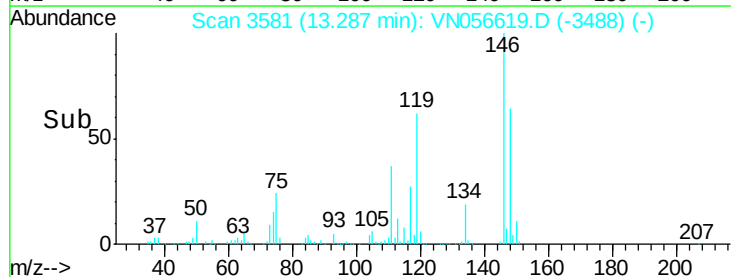
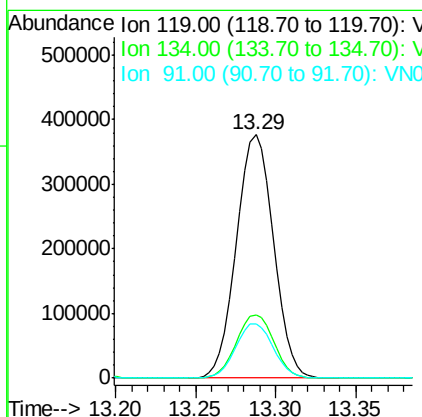
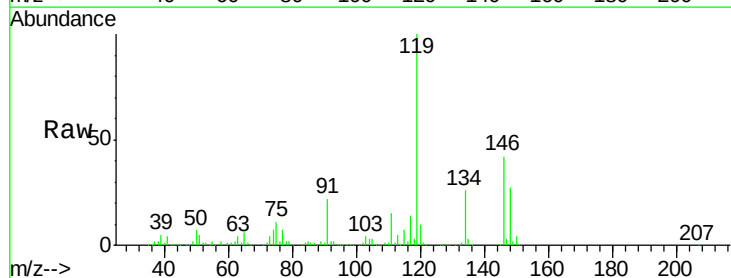
Manual Integrations
 APPROVED

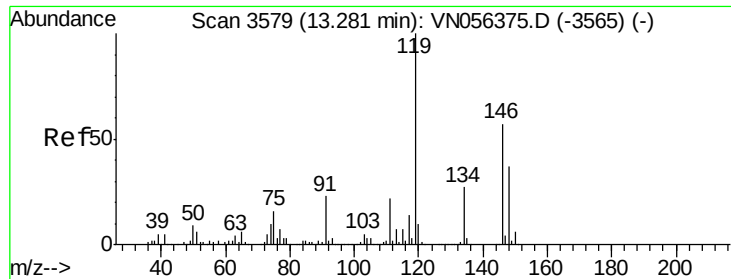
MMDadoda
 7/9/2019 9:46:54 AM



#86
 p-Isopropyltoluene
 Concen: 45.256 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.8	11.2	33.5





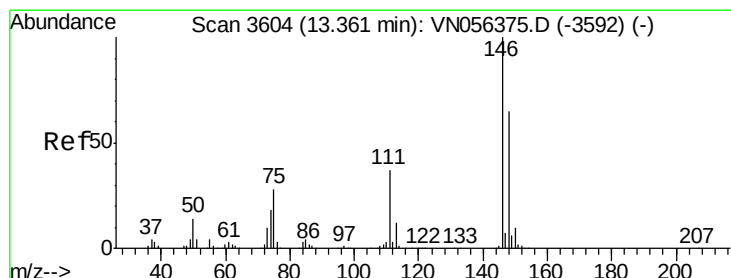
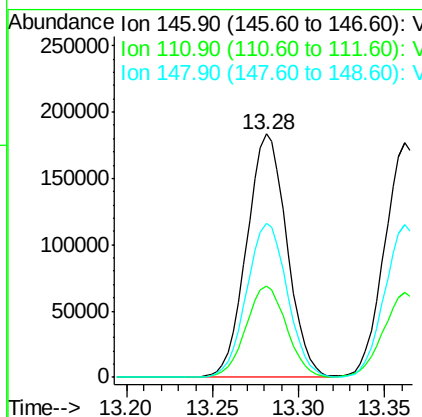
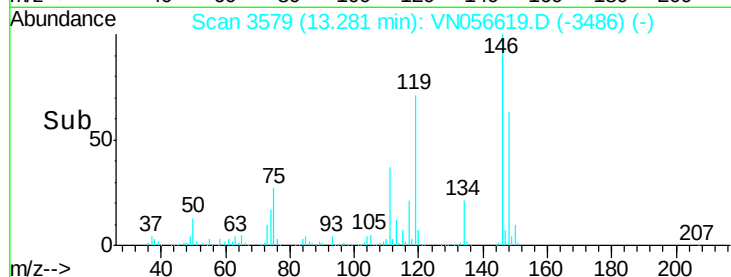
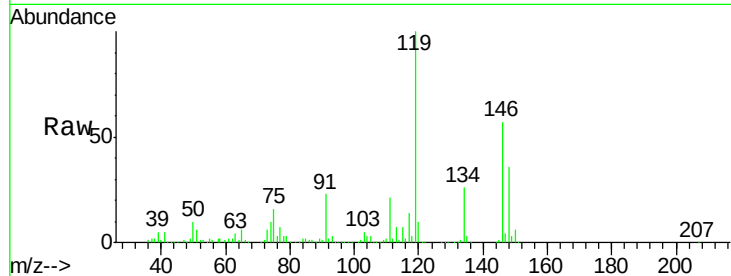
#87
 1,3-Dichlorobenzene
 Concen: 46.542 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	298412		
111	37.9	18.9	56.9	
148	64.1	32.1	96.5	

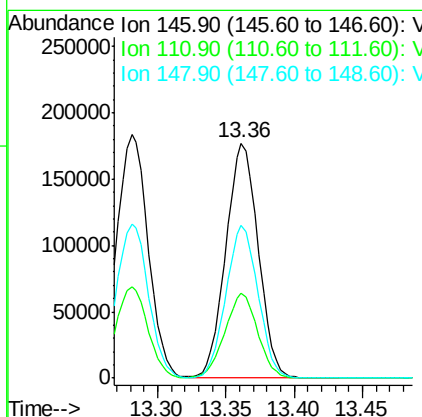
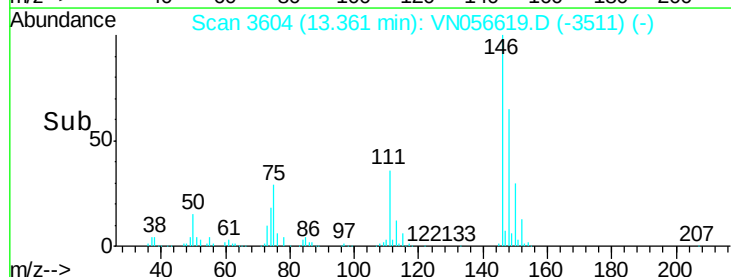
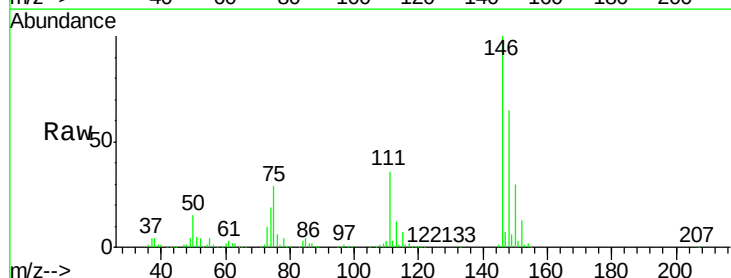
Manual Integrations
 APPROVED

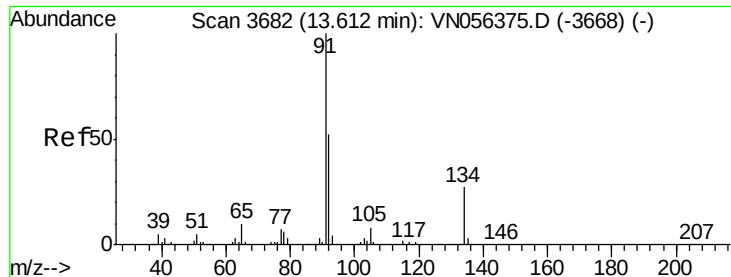
MMDadoda
 7/9/2019 9:46:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.022 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	291986		
111	36.5	18.4	55.4	
148	64.6	32.4	97.0	





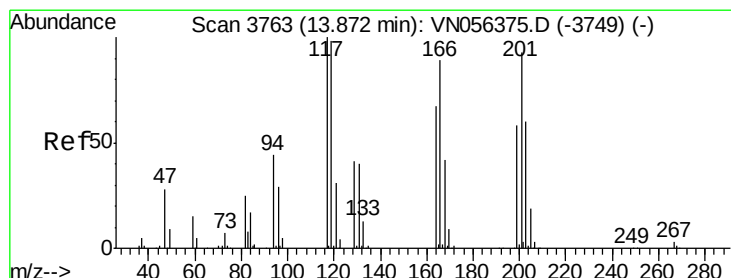
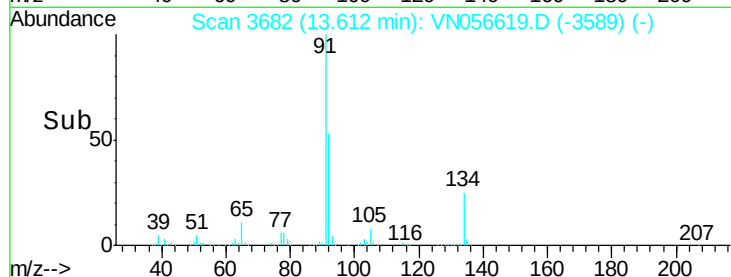
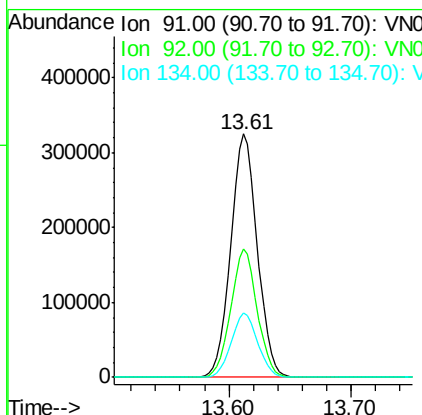
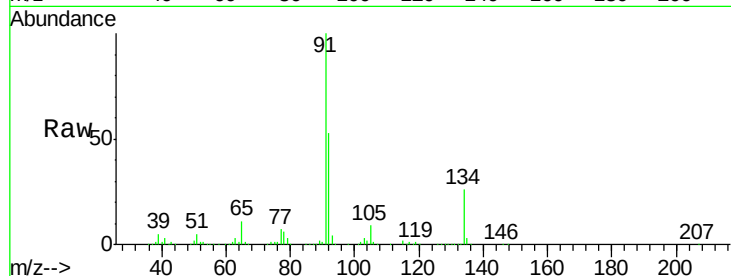
#89
n-Butylbenzene
Concen: 49.785 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	26.3	13.4	40.2

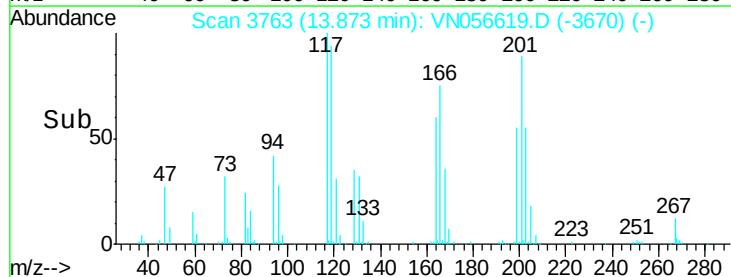
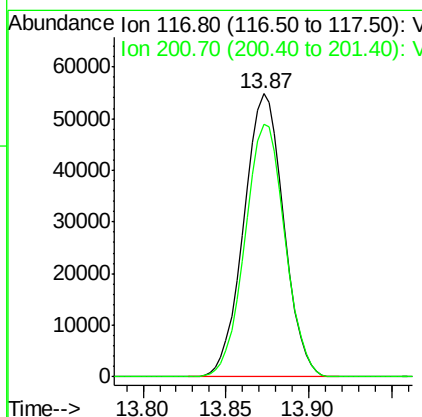
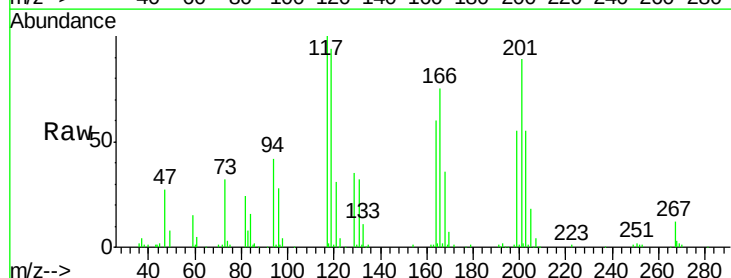
Manual Integrations
APPROVED

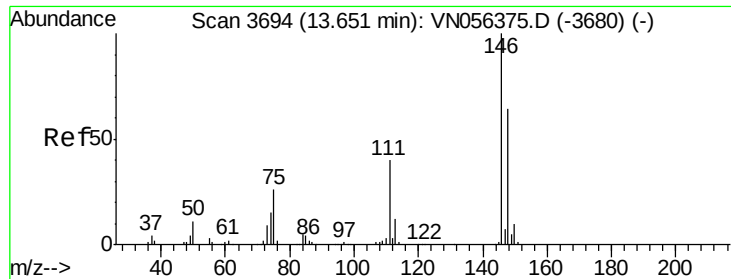
MMDadoda
7/9/2019 9:46:54 AM



#90
Hexachloroethane
Concen: 45.138 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056619.D
Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	45.9	137.6





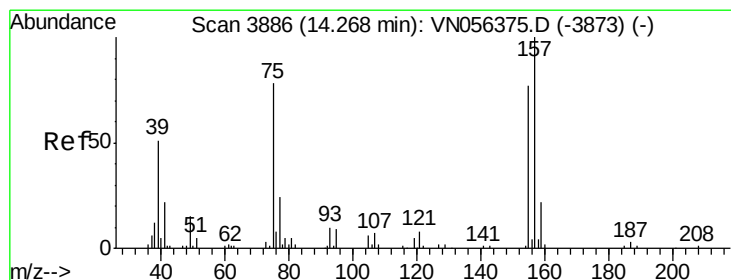
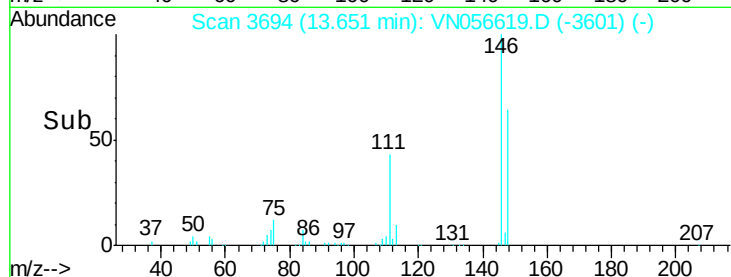
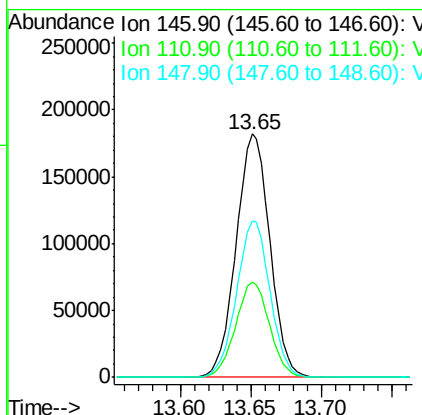
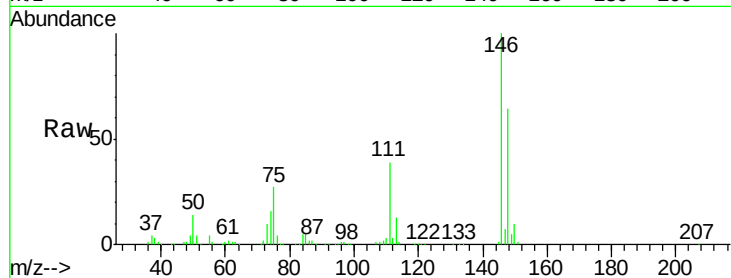
#91
 1,2-Dichlorobenzene
 Concen: 47.958 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	63.6	32.0	96.0

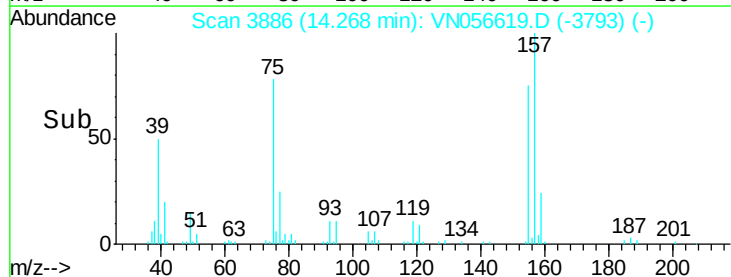
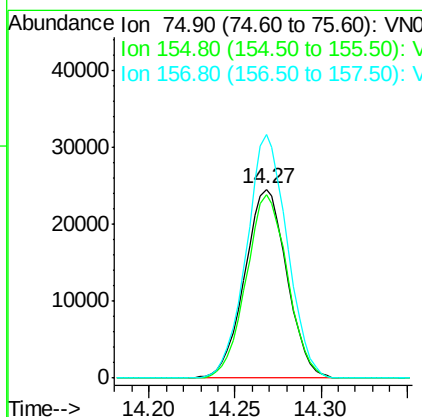
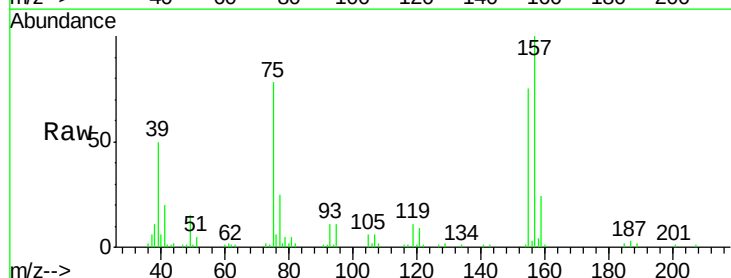
Manual Integrations
 APPROVED

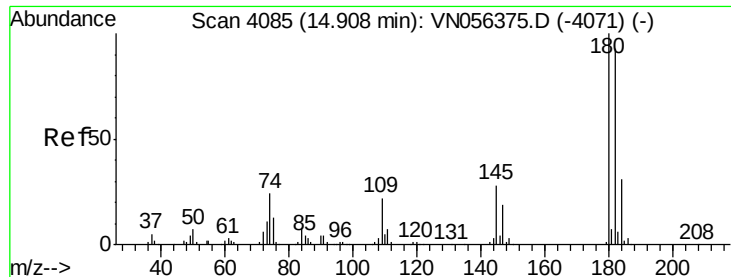
MMDadoda
 7/9/2019 9:46:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.730 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	48.9	146.8
157	124.4	62.9	188.8





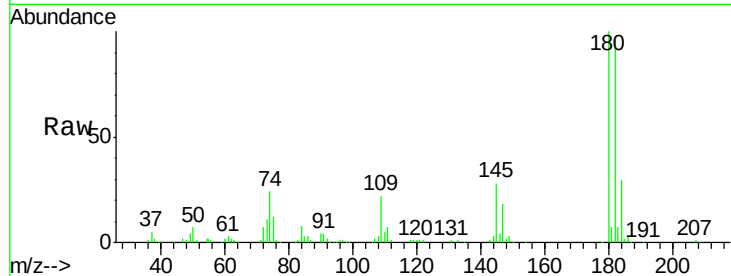
#93
 1,2,4-Trichlorobenzene
 Concen: 51.079 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

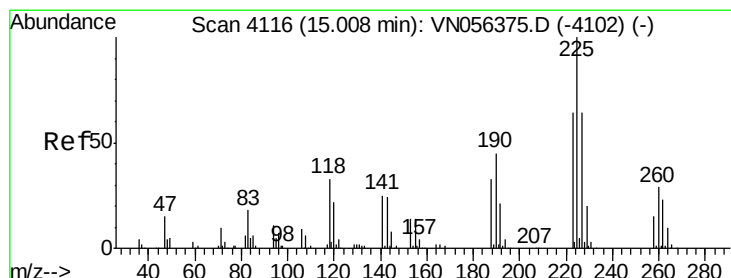
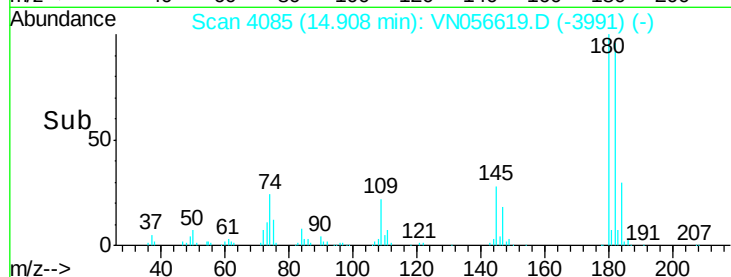
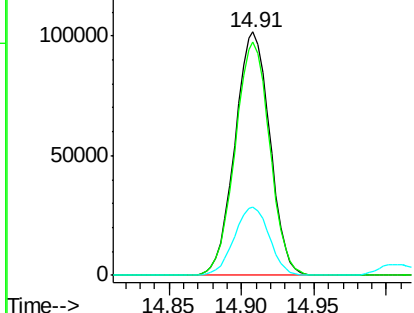
Tot Ion	Ratio	Resp	Lower	Upper
180	100	169663		
182	95.1	46.9	140.6	
145	28.3	14.4	43.0	

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 9:46:54 AM

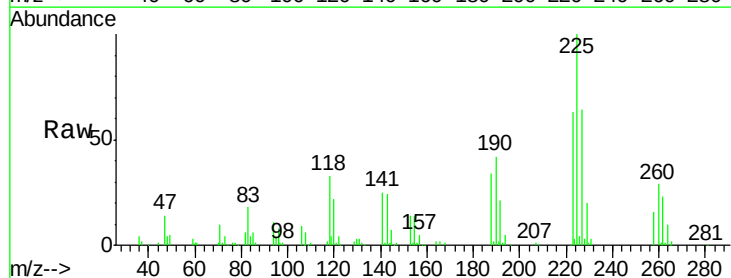


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

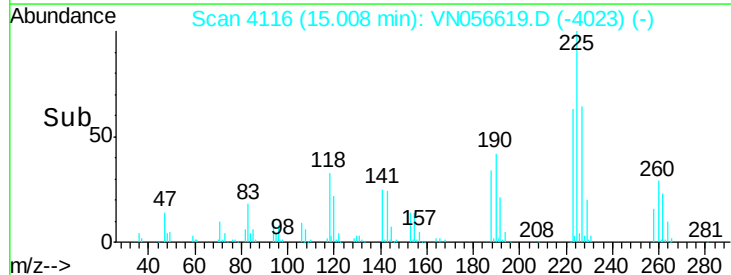
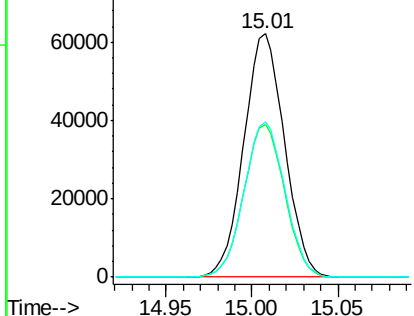


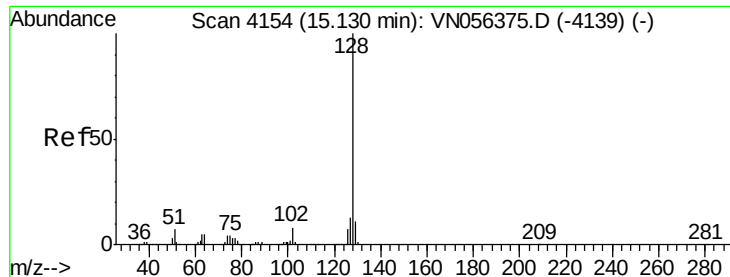
#94
 Hexachlorobutadiene
 Concen: 47.312 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056619.D
 Acq: 8 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102211		
223	62.8	31.4	94.3	
227	64.1	32.1	96.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 55.218 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Instrument :

MSVOA_N

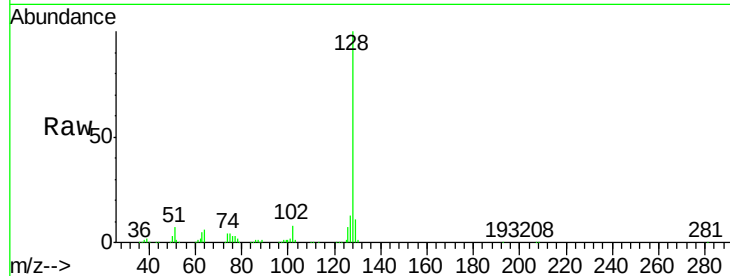
ClientSampleId :

VSTDCCC050EC

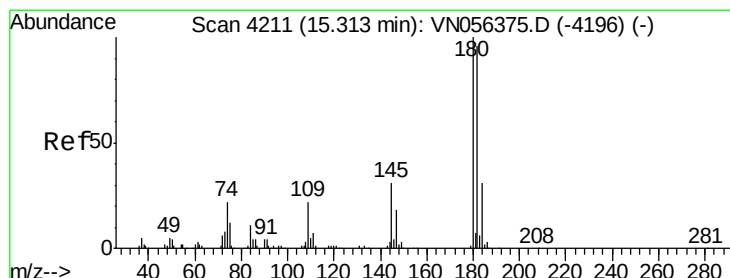
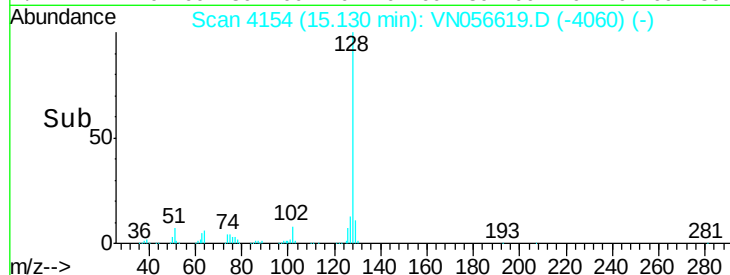
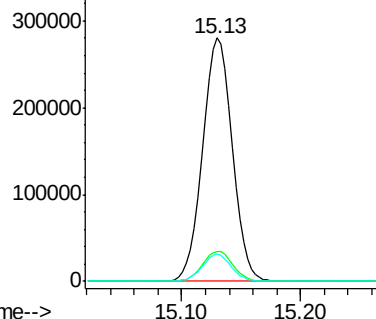
Tot Ion:	128	Resp:	483358
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:54 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.163 ug/l

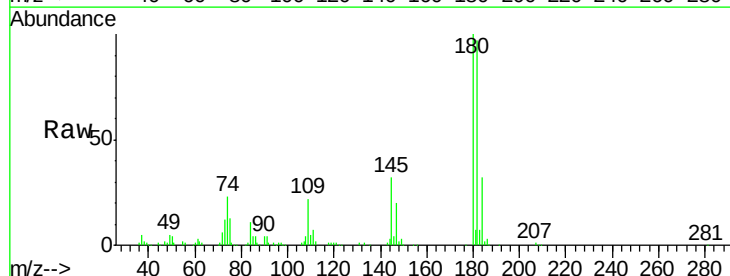
RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056619.D

Acq: 8 Jul 2019 19:01

Tgt Ion:	180	Resp:	176010
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.3	144.8
145	31.2	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

