

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057088.D
 Acq On : 5 Aug 2019 17:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:48 AM

Quant Time: Aug 06 02:26:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	451473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	651961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	587765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	240638	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.58	113	220721	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.08	98	819949	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.40	95	274811	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	223499	48.969	ug/l	97
3) Chloromethane	2.05	50	237864	43.522	ug/l	100
4) Vinyl Chloride	2.18	62	229518	44.787	ug/l	100
5) Bromomethane	2.54	94	132776	41.676	ug/l	98
6) Chloroethane	2.69	64	126771	44.875	ug/l	100
7) Trichlorofluoromethane	3.00	101	336408	50.148	ug/l	100
8) Diethyl Ether	3.40	74	127321	50.713	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	198495	47.726	ug/l	98
10) Methyl Iodide	3.94	142	256298	46.118	ug/l	98
11) Tert butyl alcohol	4.77	59	156564	250.633	ug/l	97
12) 1,1-Dichloroethene	3.72	96	190685	48.051	ug/l	99
13) Acrolein	3.59	56	63945	199.041	ug/l	97
14) Allyl chloride	4.31	41	309518	47.948	ug/l	97
15) Acrylonitrile	4.97	53	475729	259.693	ug/l	99
16) Acetone	3.81	43	379242	226.514	ug/l	100
17) Carbon Disulfide	4.04	76	434766	41.230	ug/l	100
18) Methyl Acetate	4.31	43	264474	49.518	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	624252	52.756	ug/l	96
20) Methylene Chloride	4.54	84	226750	47.017	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	199298	47.287	ug/l	98
22) Diisopropyl ether	5.94	45	657803	49.458	ug/l	97
23) Vinyl Acetate	5.88	43	2335063	253.390	ug/l	98
24) 1,1-Dichloroethane	5.83	63	385954	49.183	ug/l	100
25) 2-Butanone	6.82	43	582083	245.181	ug/l	97
26) 2,2-Dichloropropane	6.81	77	301097	50.461	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	245521	49.253	ug/l	99
28) Bromochloromethane	7.18	49	176227	47.776	ug/l	98
29) Tetrahydrofuran	7.20	42	380728	245.794	ug/l	99
30) Chloroform	7.36	83	395955	49.350	ug/l	100
31) Cyclohexane	7.64	56	326931	43.053	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	332622	51.958	ug/l	98
36) 1,1-Dichloropropene	7.78	75	278858	48.609	ug/l	99
37) Ethyl Acetate	6.92	43	234606	51.060	ug/l	98
38) Carbon Tetrachloride	7.76	117	289301	53.313	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057088.D
 Acq On : 5 Aug 2019 17:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:48 AM

Quant Time: Aug 06 02:26:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	336358	45.874	ug/l	100
40) Benzene	8.03	78	873187	49.418	ug/l	100
41) Methacrylonitrile	7.16	41	112627	53.024	ug/l	92
42) 1,2-Dichloroethane	8.11	62	289598	52.295	ug/l	98
43) Isopropyl Acetate	8.16	43	424050	55.839	ug/l #	89
44) Trichloroethene	8.83	130	244940	50.317	ug/l	99
45) 1,2-Dichloropropane	9.11	63	235927	49.919	ug/l	99
46) Dibromomethane	9.20	93	151015	52.983	ug/l	98
47) Bromodichloromethane	9.39	83	302639	54.005	ug/l	99
48) Methyl methacrylate	9.19	41	193843	52.869	ug/l	99
49) 1,4-Dioxane	9.19	88	79386	1050.663	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1170056	259.310	ug/l	100
52) Toluene	10.15	92	545063	51.343	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	315057	54.178	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	360742	53.353	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	220005	51.676	ug/l	98
56) Ethyl methacrylate	10.42	69	316693	49.283	ug/l	99
57) 1,3-Dichloropropane	10.70	76	363852	51.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	506675	198.600	ug/l	98
59) 2-Hexanone	10.74	43	830388	239.083	ug/l	100
60) Dibromochloromethane	10.90	129	247172	56.668	ug/l	99
61) 1,2-Dibromoethane	11.00	107	225030	54.162	ug/l	99
64) Tetrachloroethene	10.63	164	252376	49.827	ug/l	98
65) Chlorobenzene	11.43	112	605254	50.524	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	238211	52.832	ug/l	99
67) Ethyl Benzene	11.51	91	1042194	50.337	ug/l	99
68) m/p-Xylenes	11.62	106	782175	102.365	ug/l	100
69) o-Xylene	11.94	106	386404	51.689	ug/l	99
70) Styrene	11.96	104	639731	48.475	ug/l	100
71) Bromoform	12.12	173	177264	56.311	ug/l #	99
73) Isopropylbenzene	12.25	105	1033203	48.406	ug/l	100
74) N-amyl acetate	12.07	43	313940	50.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	288253	53.614	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	236735m	47.200	ug/l	
77) Bromobenzene	12.52	156	277216	49.763	ug/l	97
78) n-propylbenzene	12.59	91	1114111	48.886	ug/l	99
79) 2-Chlorotoluene	12.67	91	670810	47.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	865150	49.386	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84511	54.138	ug/l	100
82) 4-Chlorotoluene	12.77	91	647625	49.314	ug/l	99
83) tert-Butylbenzene	12.99	119	771895	49.775	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	850205	50.440	ug/l	100
85) sec-Butylbenzene	13.17	105	971640	48.575	ug/l	99
86) p-Isopropyltoluene	13.29	119	889764	50.102	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	423605	49.990	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	401604	49.231	ug/l	100
89) n-Butylbenzene	13.61	91	666914	48.726	ug/l	99
90) Hexachloroethane	13.87	117	157353	51.457	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	417449	50.055	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45556	53.662	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057088.D
 Acq On : 5 Aug 2019 17:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

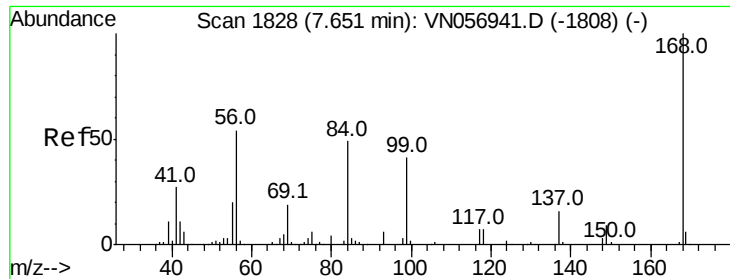
Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:48 AM

Quant Time: Aug 06 02:26:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171018	40.306	ug/l	99
94) Hexachlorobutadiene	15.00	225	158996	54.904	ug/l	98
95) Naphthalene	15.12	128	445521	42.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	196140	45.315	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 451473

Ion Ratio Lower Upper

168 100

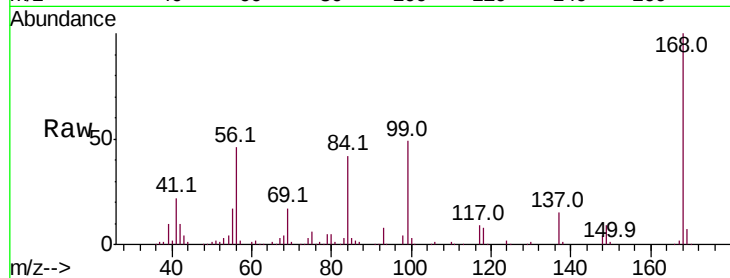
99 49.3 39.0 58.4

Manual Integrations

APPROVED

MMDadoda

8/7/2019 4:09:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

50000

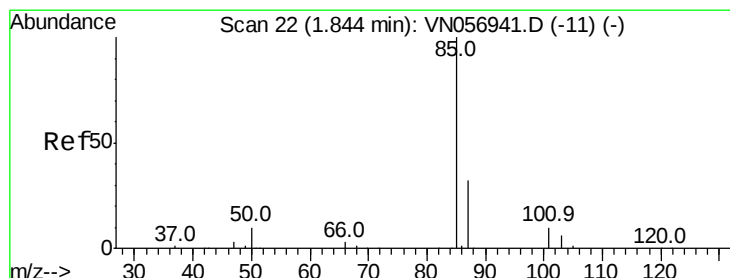
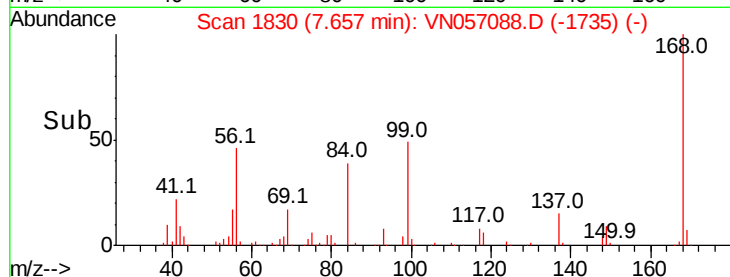
0

7.66

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.969 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057088.D

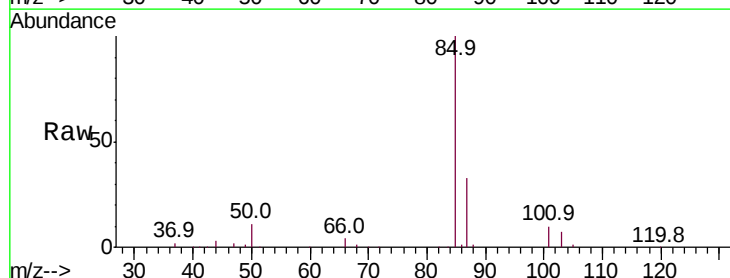
Acq: 5 Aug 2019 17:34

Tgt Ion: 85 Resp: 223499

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

150000

100000

50000

0

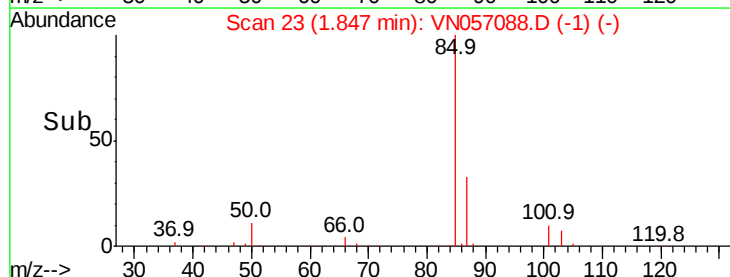
1.85

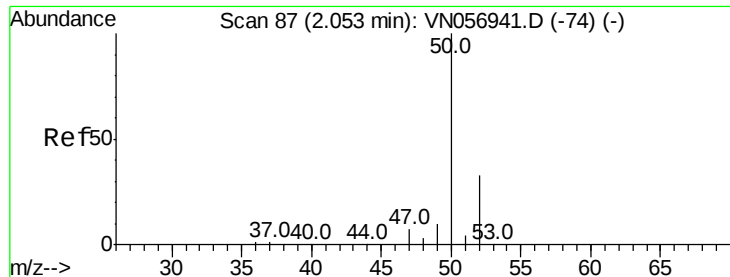
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 43.522 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 237864

Ion Ratio Lower Upper

50 100

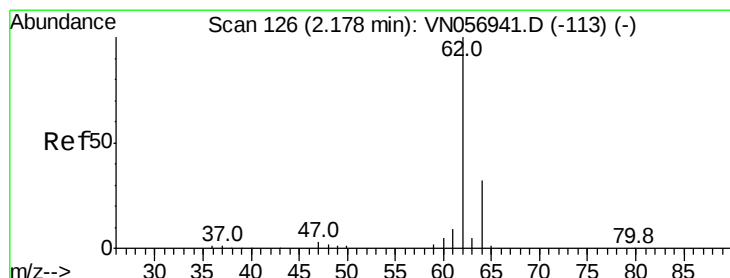
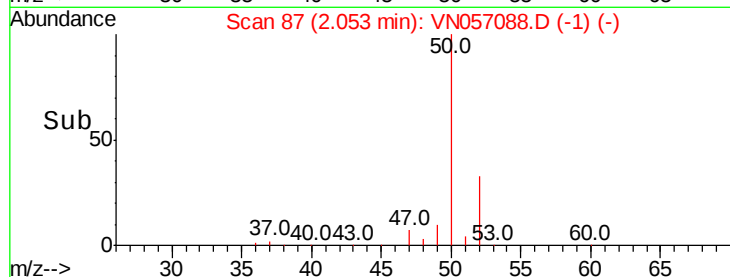
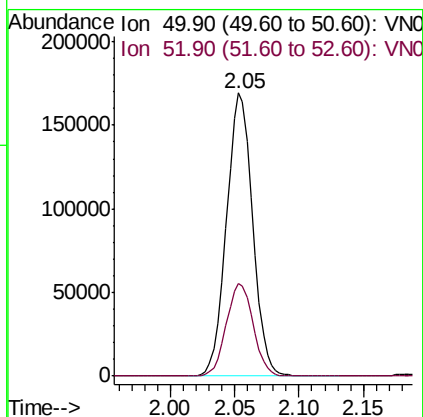
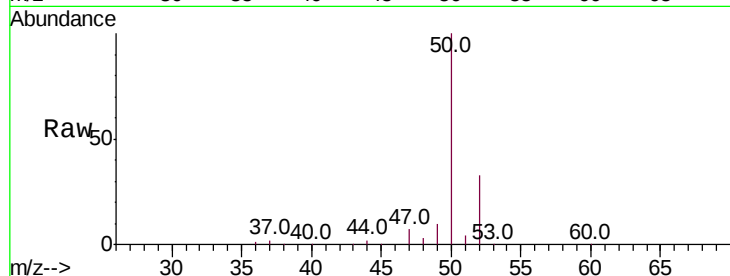
52 32.8 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

8/7/2019 4:09:48 AM



#4

Vinyl Chloride

Concen: 44.787 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057088.D

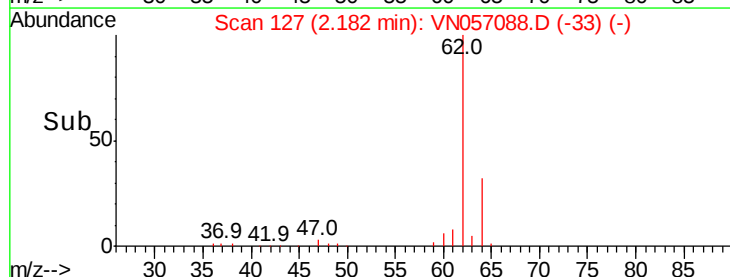
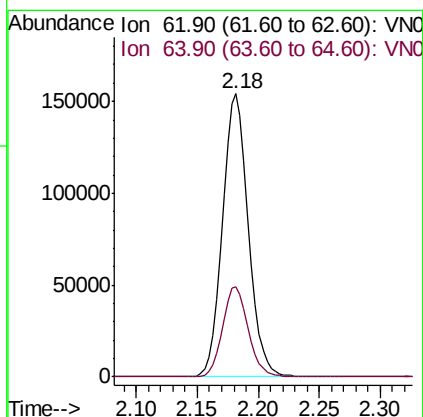
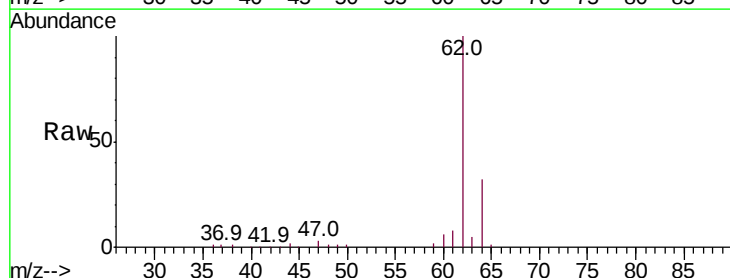
Acq: 5 Aug 2019 17:34

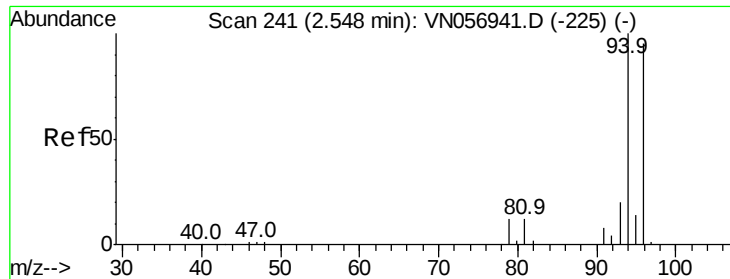
Tgt Ion: 62 Resp: 229518

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 41.676 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 132776

Ion Ratio Lower Upper

94 100

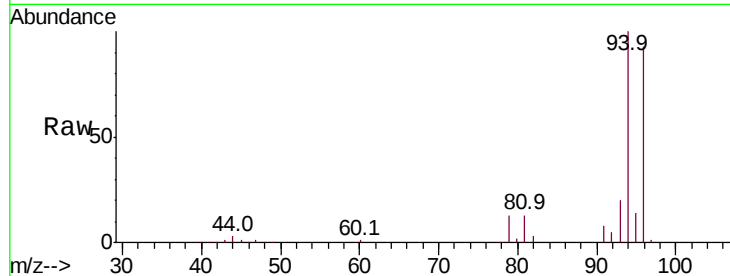
96 93.4 76.2 114.2

Manual Integrations

APPROVED

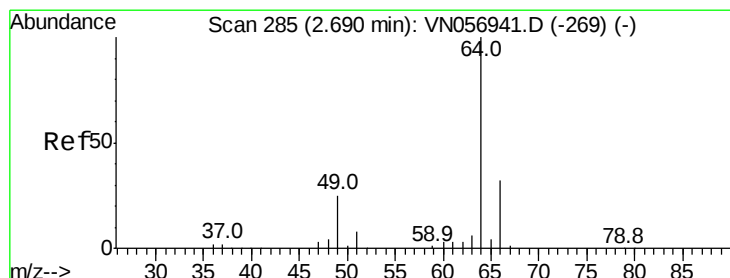
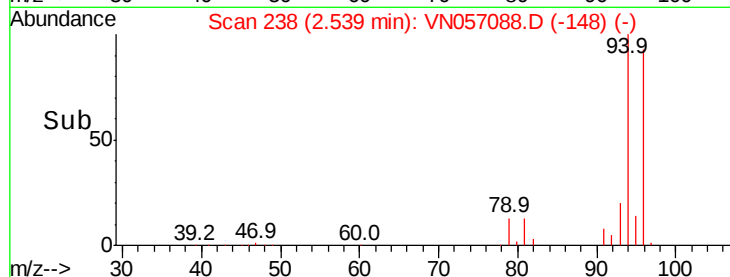
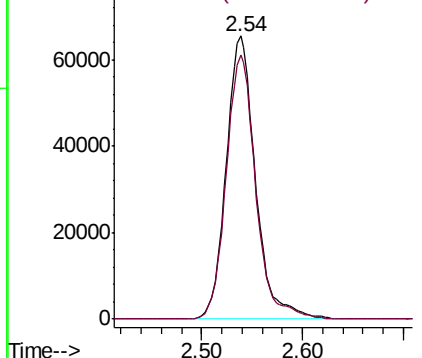
MMDadoda

8/7/2019 4:09:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.875 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057088.D

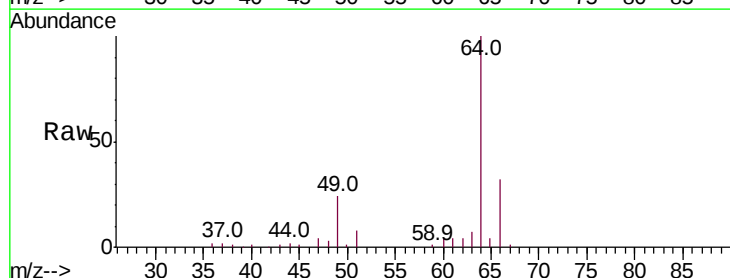
Acq: 5 Aug 2019 17:34

Tgt Ion: 64 Resp: 126771

Ion Ratio Lower Upper

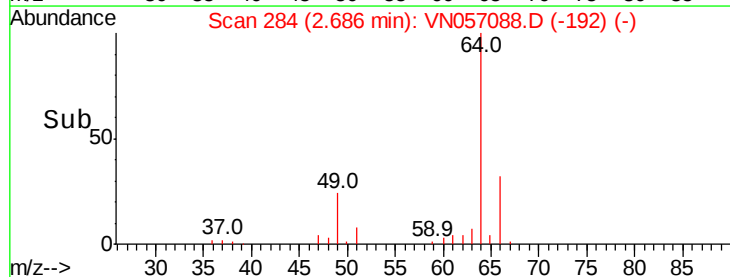
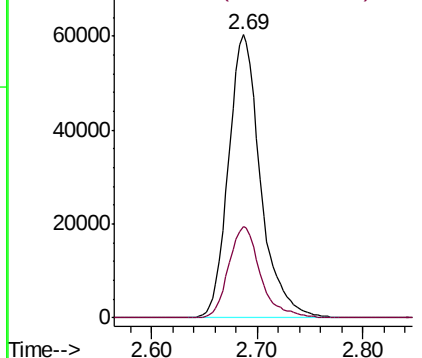
64 100

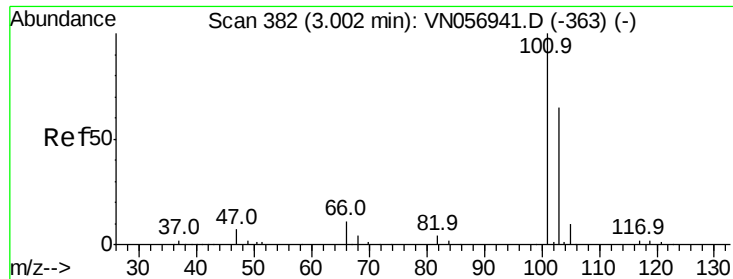
66 32.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

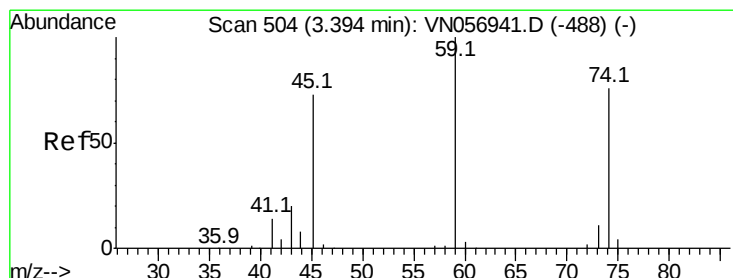
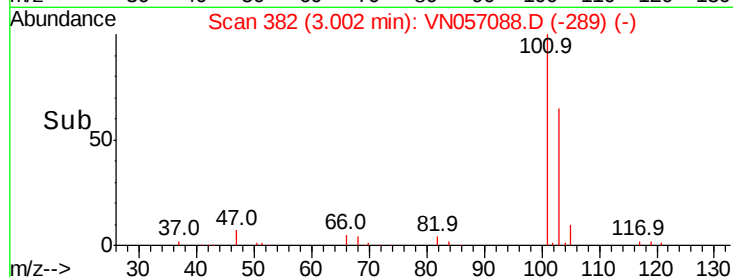
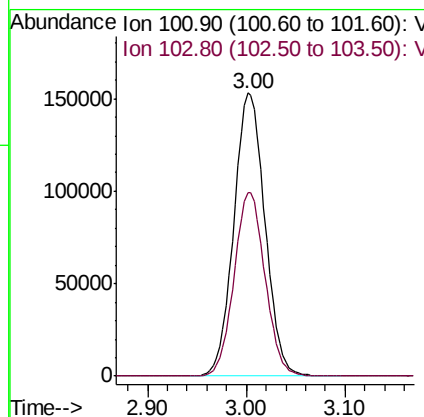
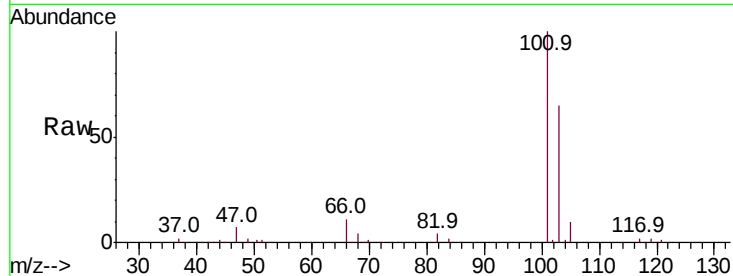
Trichlorofluoromethane
 Concen: 50.148 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.1	78.1

Manual Integrations
 APPROVED

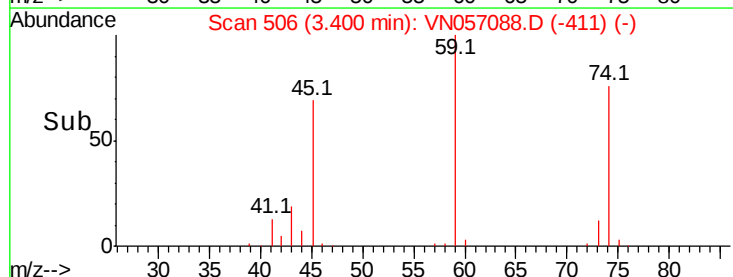
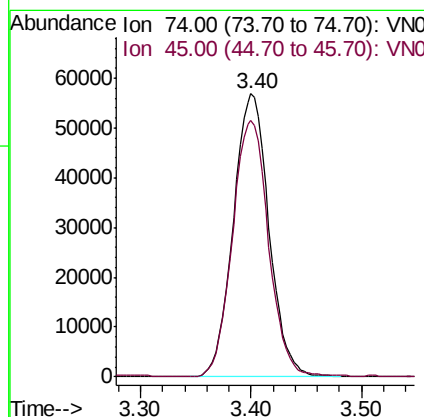
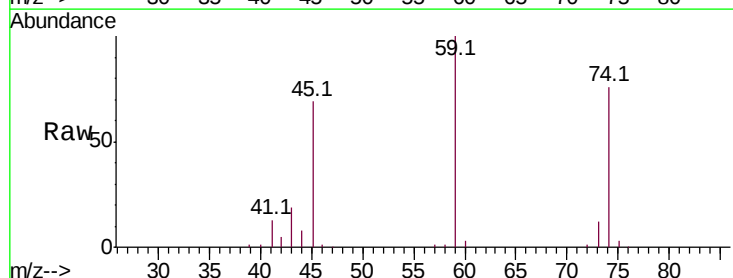
MMDadoda
 8/7/2019 4:09:48 AM

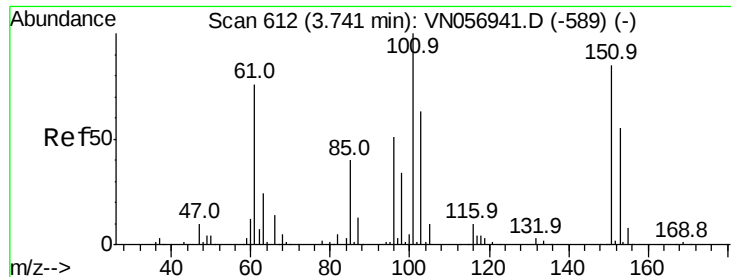


#8

Diethyl Ether
 Concen: 50.713 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	48.1	144.3





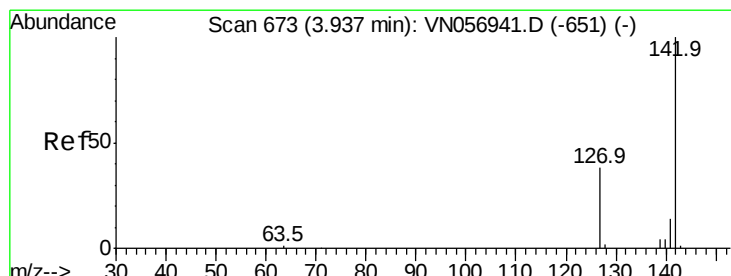
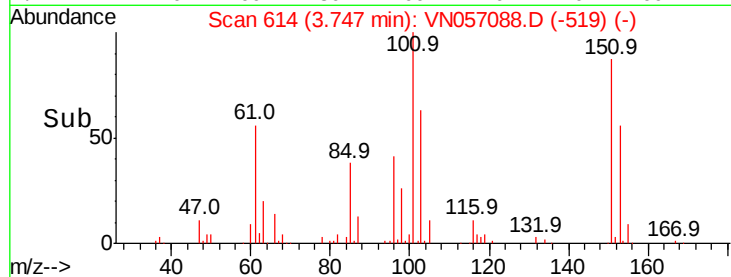
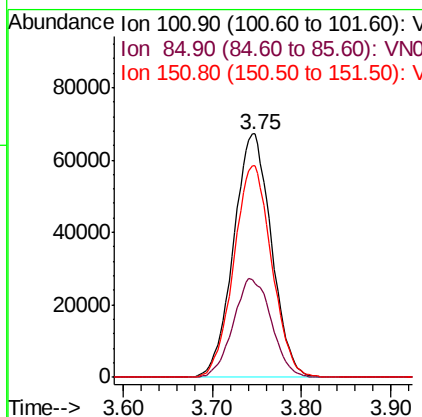
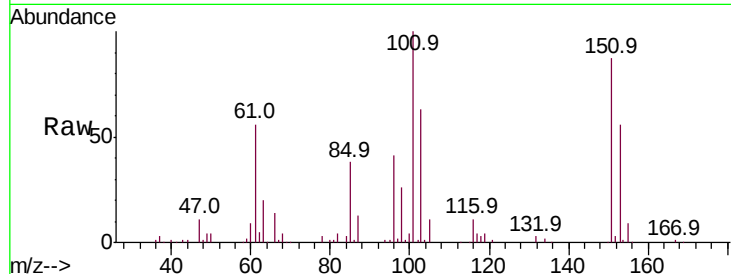
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.726 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	101	Resp:	198495
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.3	48.5
151	87.0	68.0	102.0

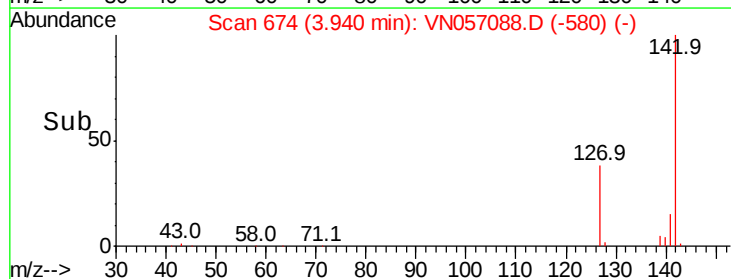
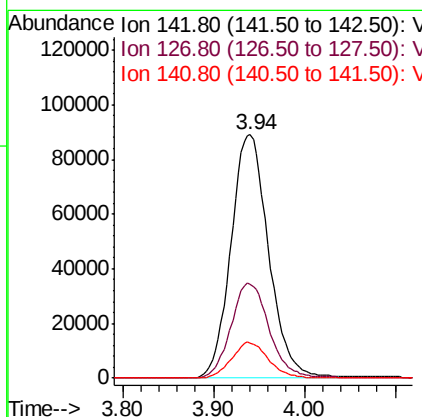
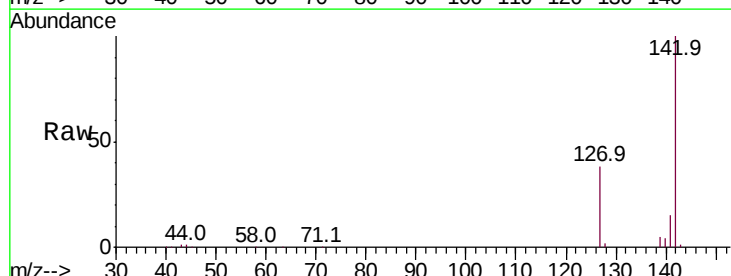
Manual Integrations
 APPROVED

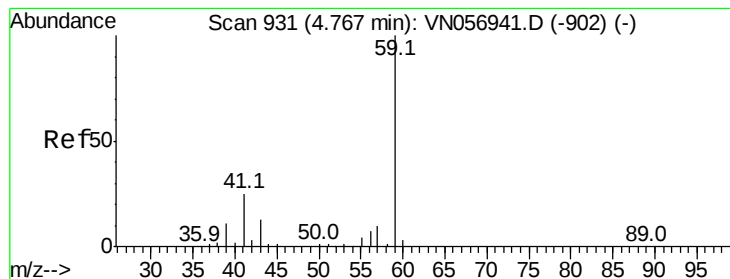
MMDadoda
 8/7/2019 4:09:48 AM



#10
 Methyl Iodide
 Concen: 46.118 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion:	142	Resp:	256298
Ion Ratio	Lower	Upper	
142	100		
127	39.6	30.4	45.6
141	14.4	11.1	16.7





#11

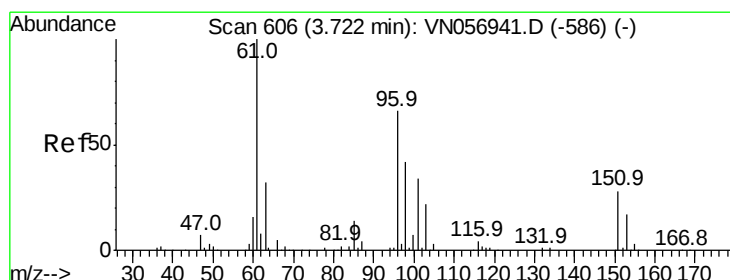
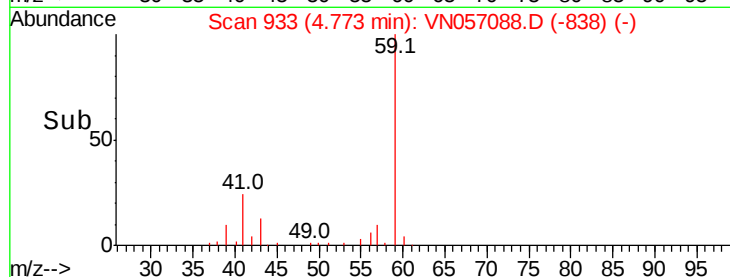
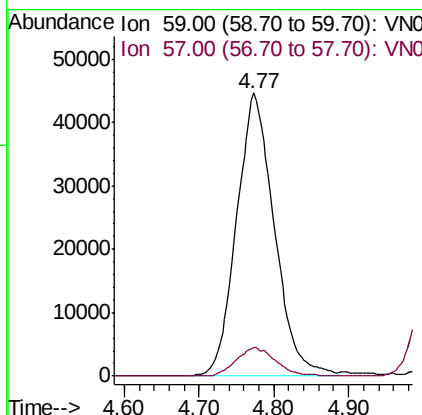
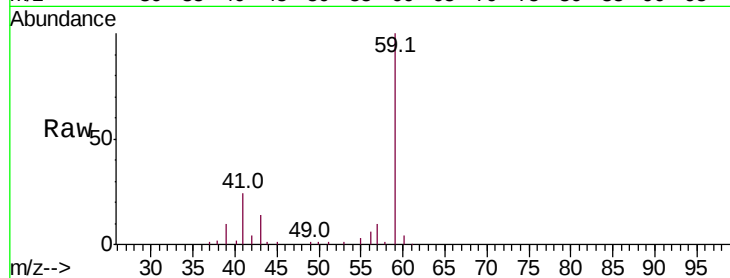
Tert butyl alcohol
 Concen: 250.633 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.4	Resp	Lower	Upper
156564								

Manual Integrations
 APPROVED

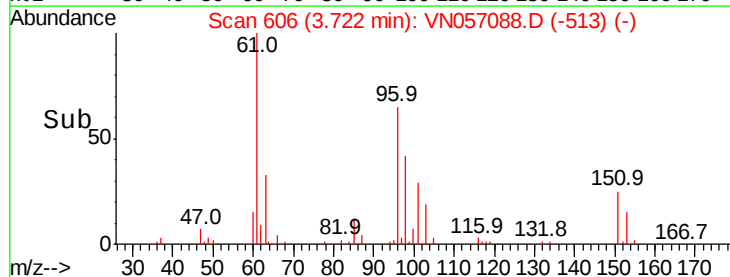
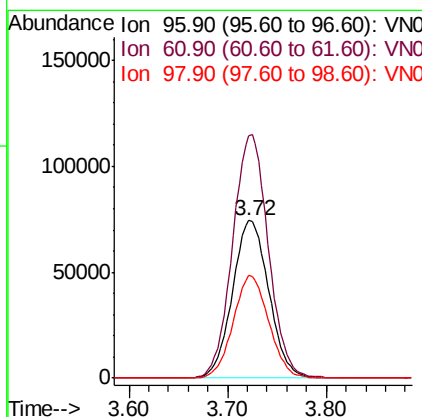
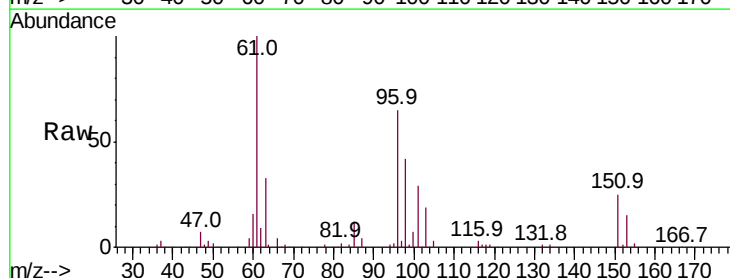
MMDadoda
 8/7/2019 4:09:48 AM

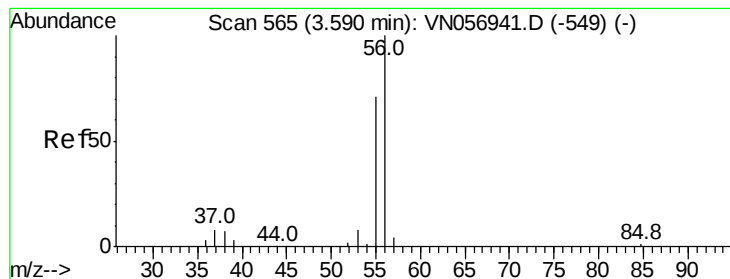


#12

1,1-Dichloroethene
 Concen: 48.051 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	96	61	98	Ratio	100	153.6	65.0	Resp	Lower	Upper
190685										





#13

Acrolein

Concen: 199.041 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 63945

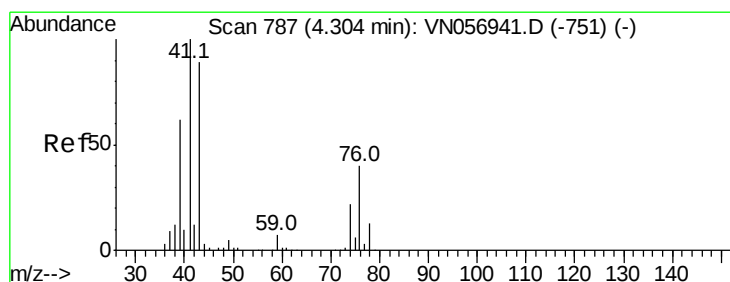
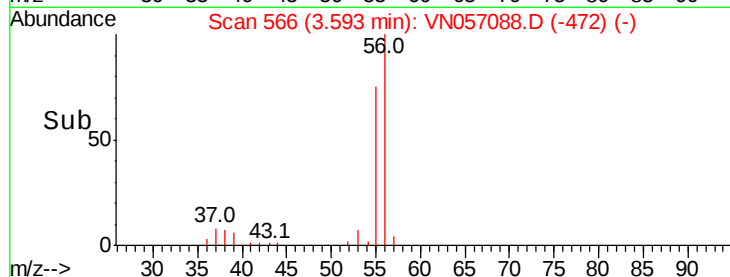
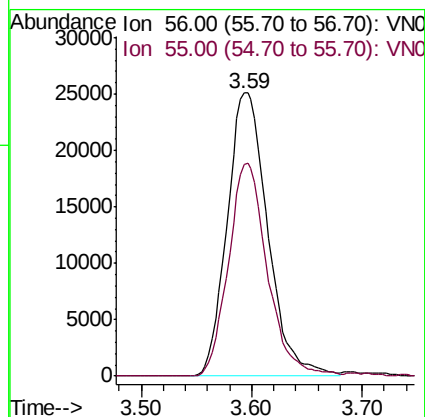
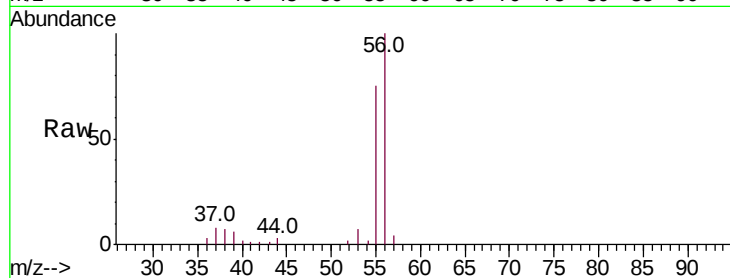
Ion Ratio Lower Upper

56 100

55 72.2 55.8 83.6

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM



#14

Allyl chloride

Concen: 47.948 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

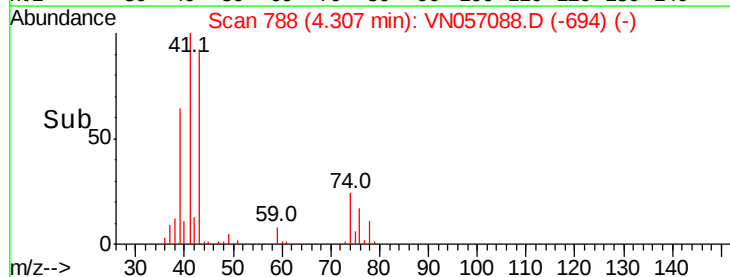
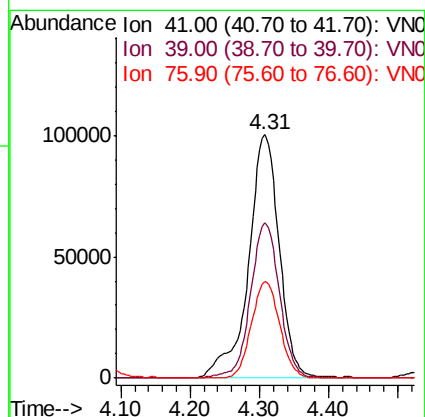
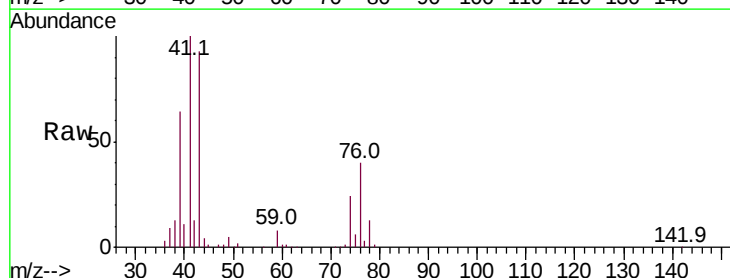
Tgt Ion: 41 Resp: 309518

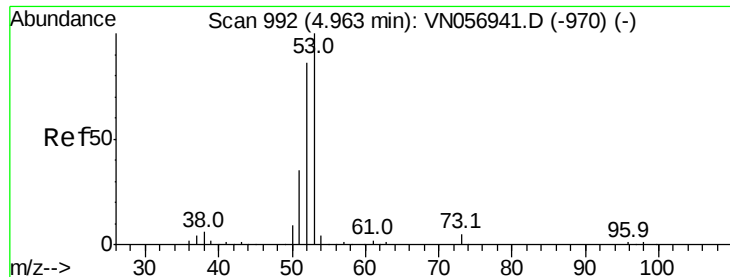
Ion Ratio Lower Upper

41 100

39 60.3 46.4 69.6

76 36.4 28.4 42.6





#15

Acrylonitrile

Concen: 259.693 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

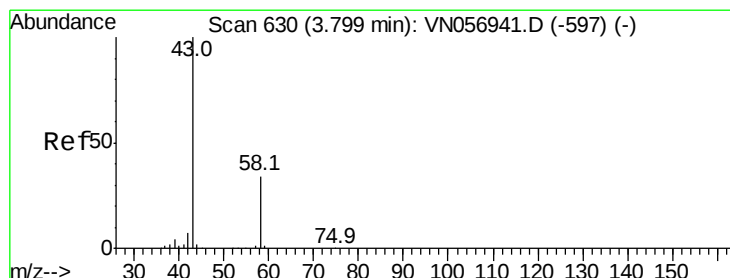
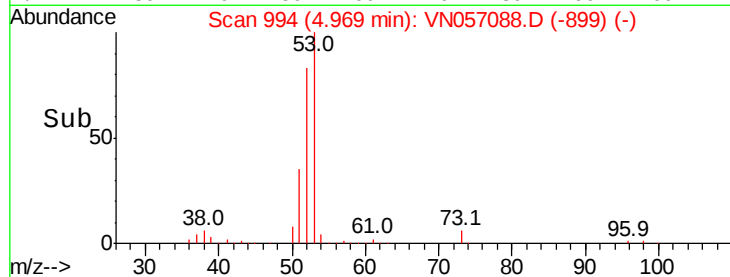
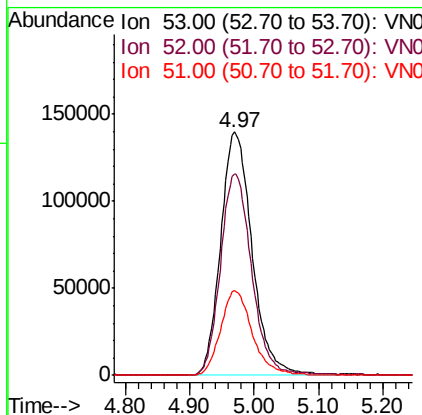
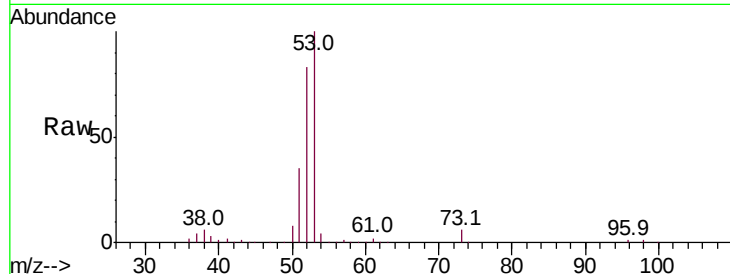
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	475729
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.5	99.7
51	35.1	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM



#16

Acetone

Concen: 226.514 ug/l

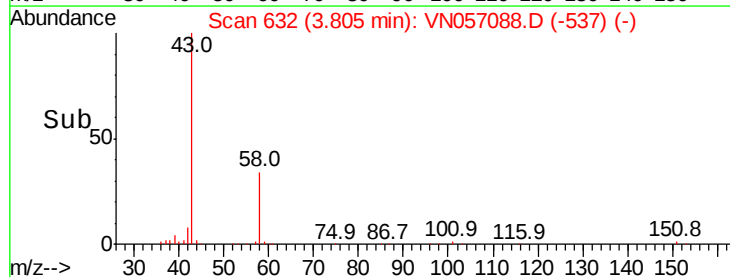
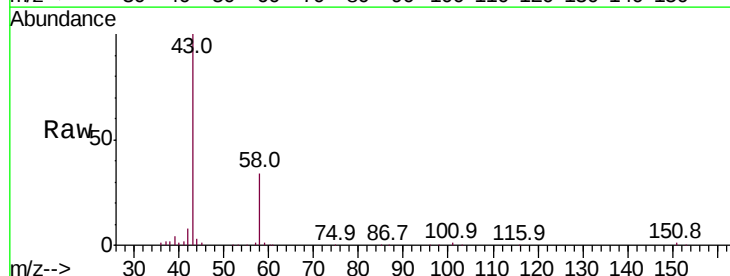
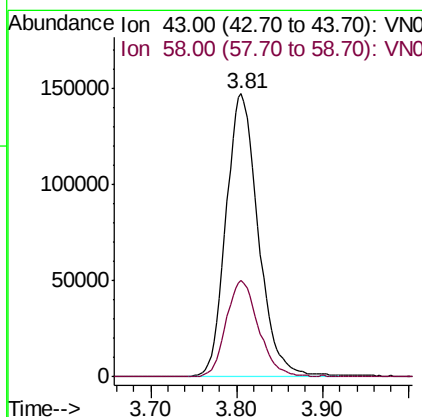
RT: 3.81 min Scan# 632

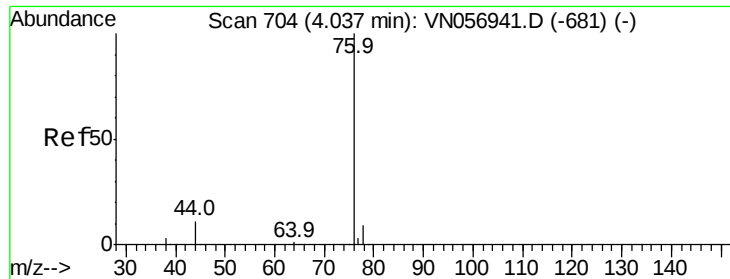
Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion:	43	Resp:	379242
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.2	40.8





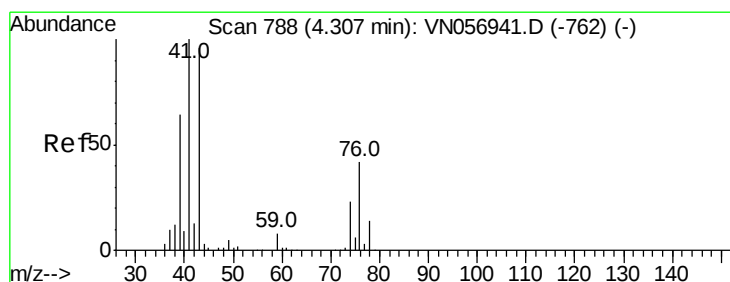
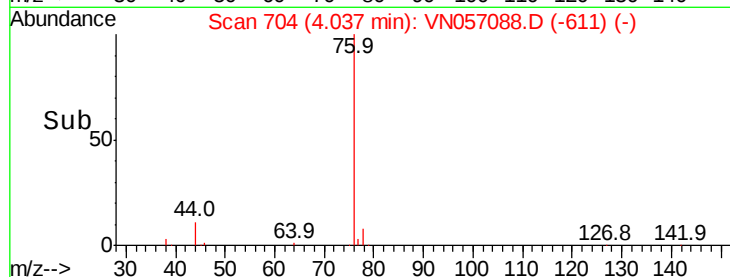
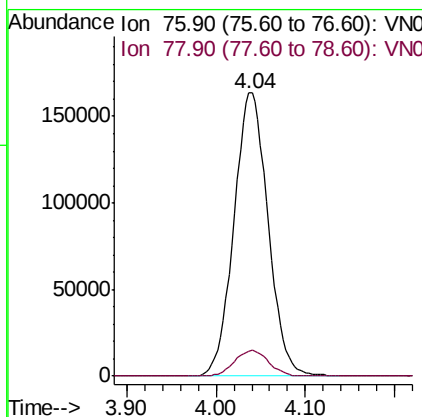
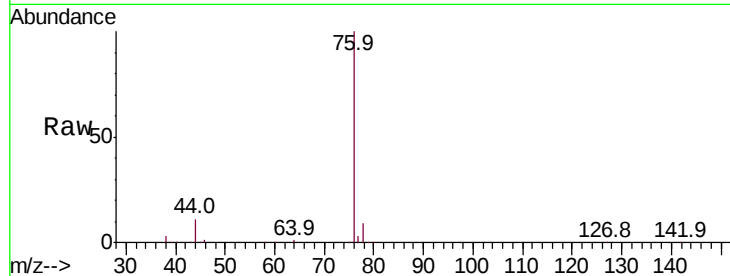
#17
Carbon Disulfide
Concen: 41.230 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

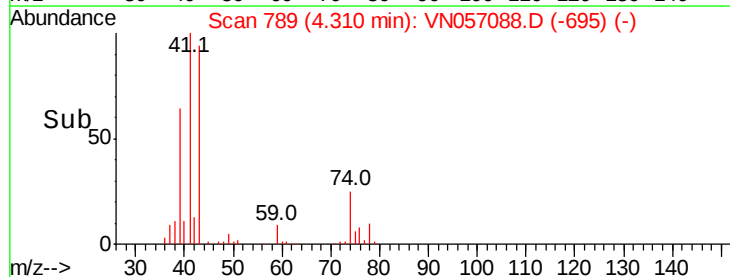
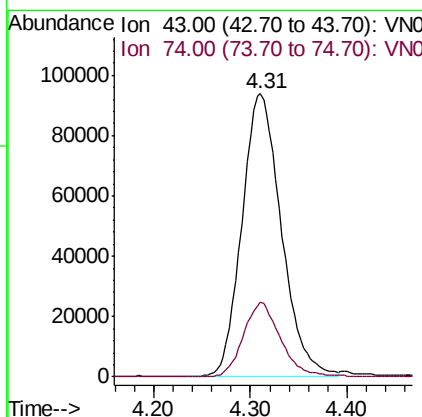
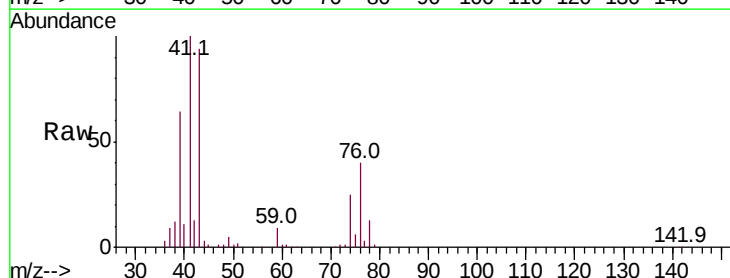
Manual Integrations
APPROVED

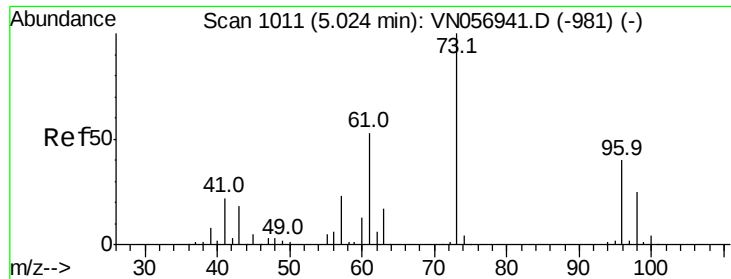
MMDadoda
8/7/2019 4:09:48 AM



#18
Methyl Acetate
Concen: 49.518 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.7	29.5





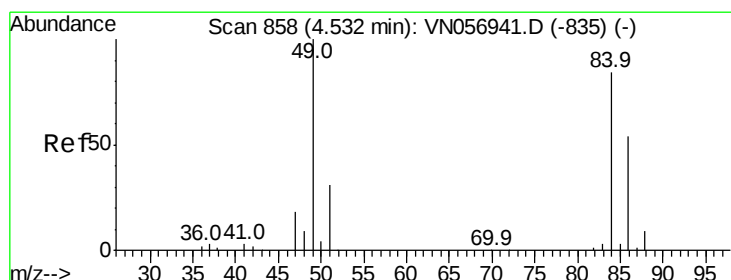
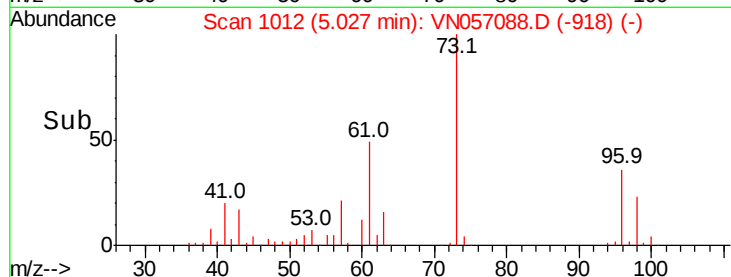
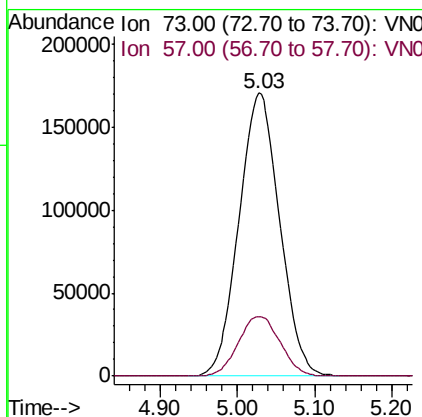
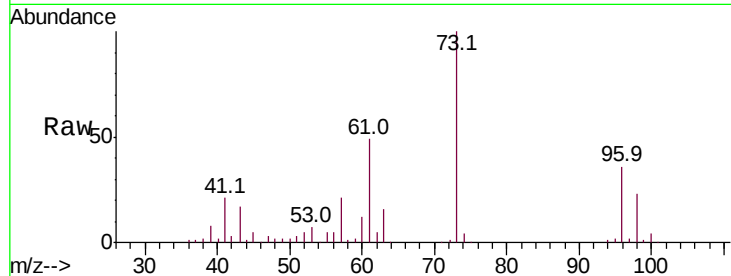
#19
Methvl tert-butvl Ether
Concen: 52.756 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 624252
Ion Ratio Lower Upper
73 100
57 21.1 18.3 27.5

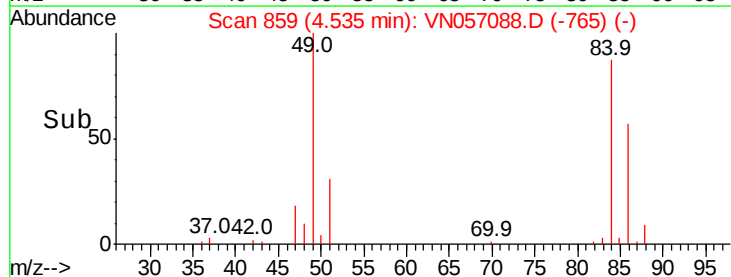
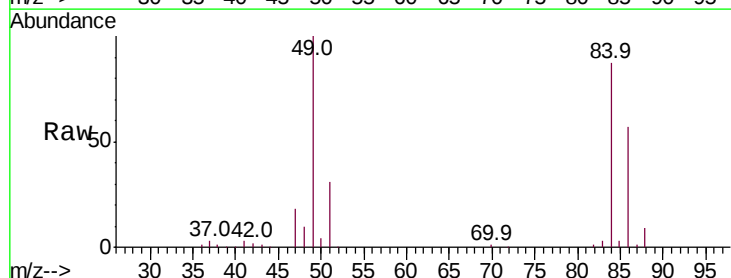
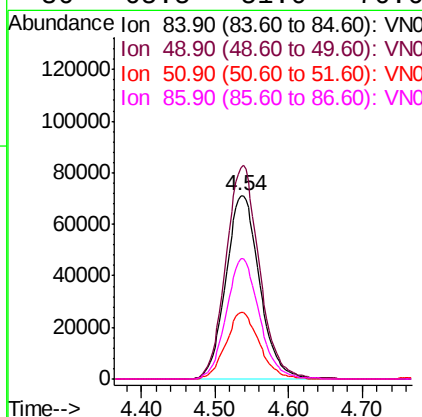
Manual Integrations
APPROVED

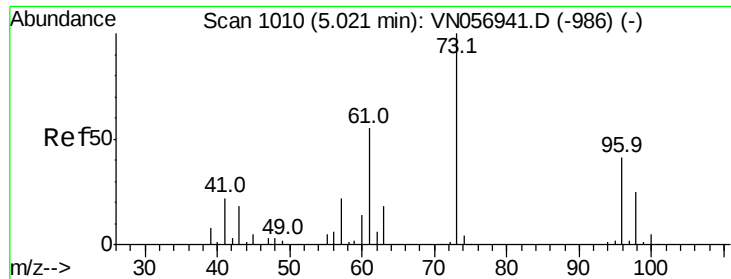
MMDadoda
8/7/2019 4:09:48 AM



#20
Methylene Chloride
Concen: 47.017 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 84 Resp: 226750
Ion Ratio Lower Upper
84 100
49 114.9 95.2 142.8
51 36.1 29.7 44.5
86 65.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.287 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 199298

Ion Ratio Lower Upper

96 100

61 135.6 107.5 161.3

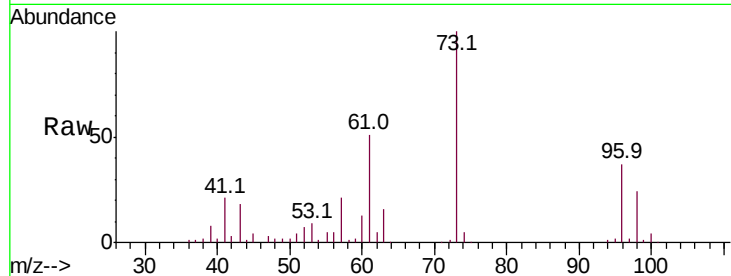
98 65.1 49.9 74.9

Manual Integrations

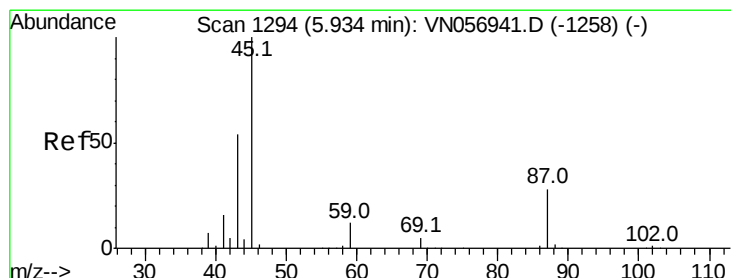
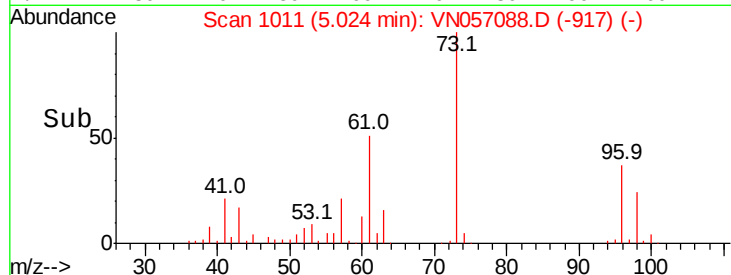
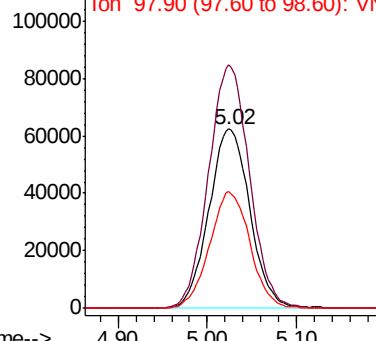
APPROVED

MMDadoda

8/7/2019 4:09:48 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: 49.458 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion: 45 Resp: 657803

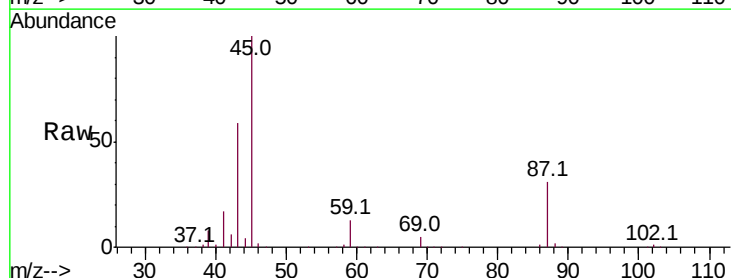
Ion Ratio Lower Upper

45 100

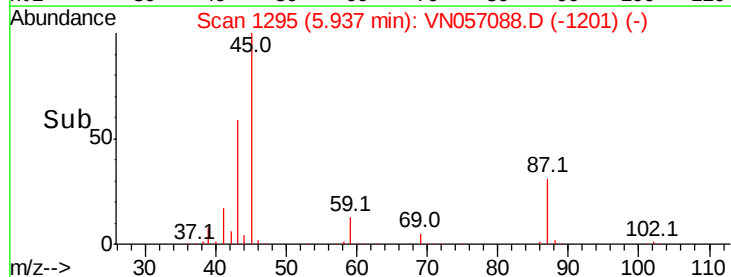
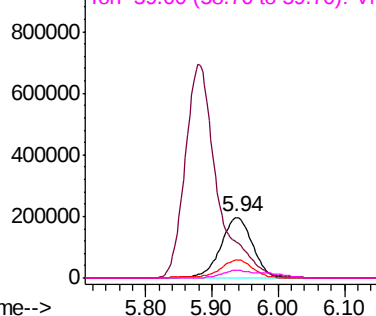
43 58.0 44.7 67.1

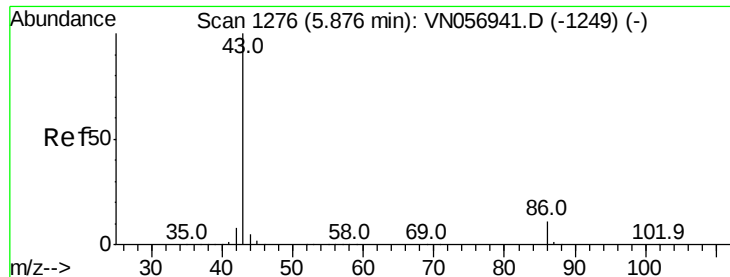
87 30.6 23.0 34.6

59 12.3 9.8 14.8



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: 253.390 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2335063

Ion Ratio Lower Upper

43 100

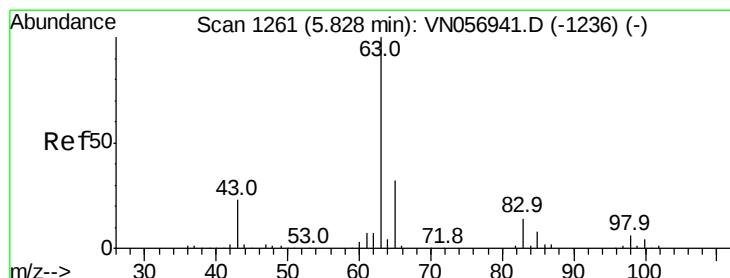
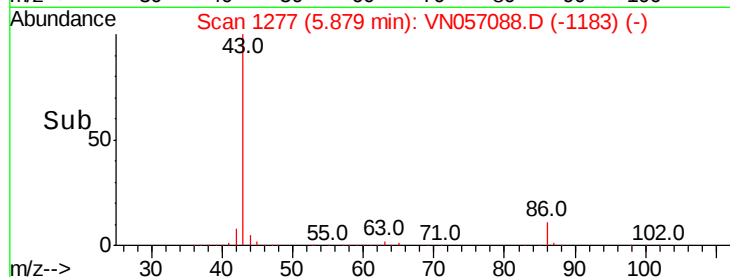
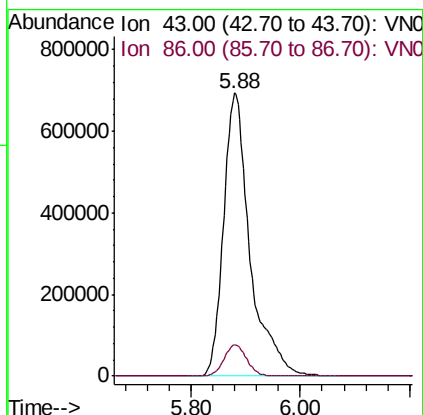
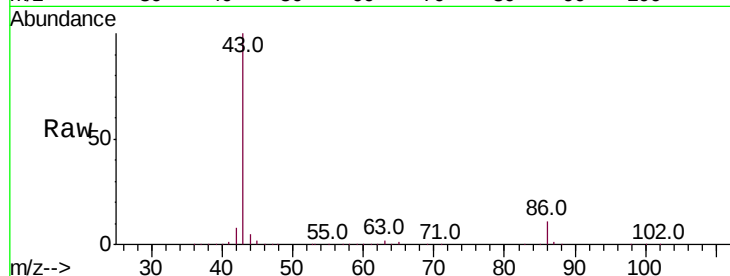
86 11.2 8.5 12.7

Manual Integrations

APPROVED

MMDadoda

8/7/2019 4:09:48 AM



#24

1,1-Dichloroethane

Concen: 49.183 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

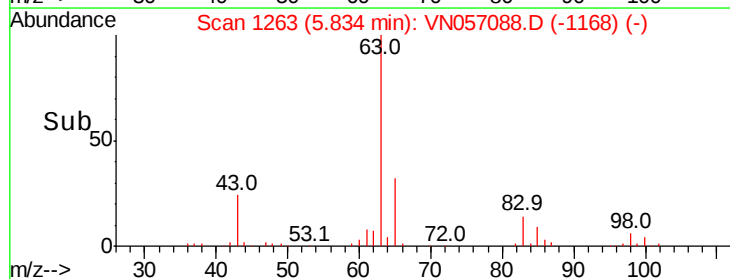
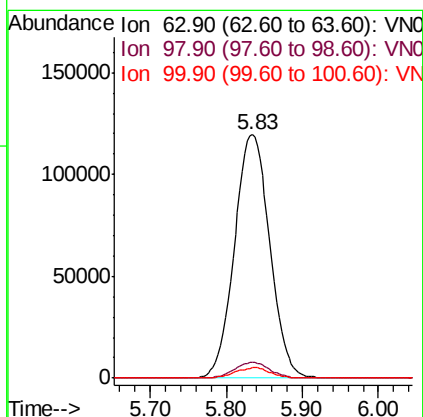
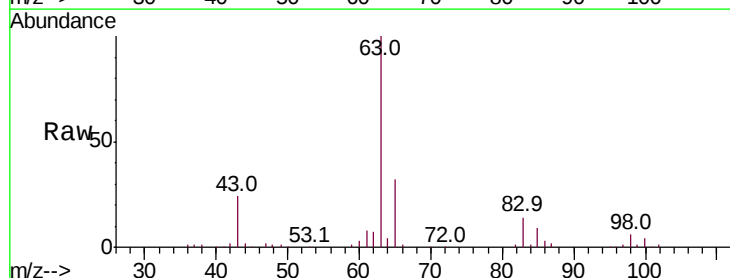
Tgt Ion: 63 Resp: 385954

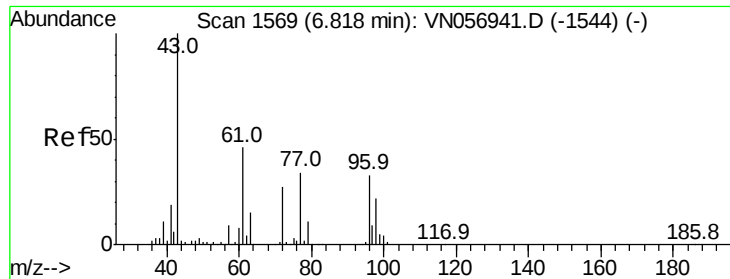
Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 245.181 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 582083

Ion Ratio Lower Upper

43 100

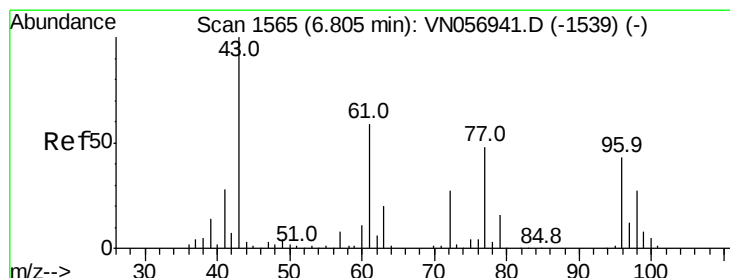
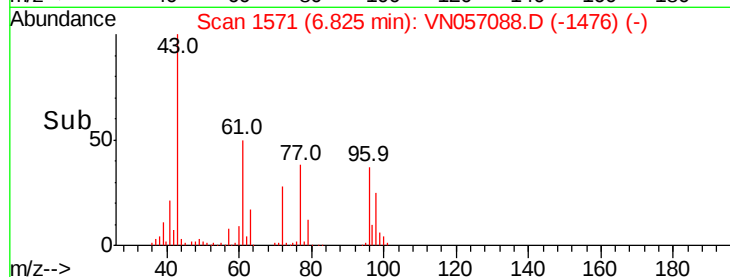
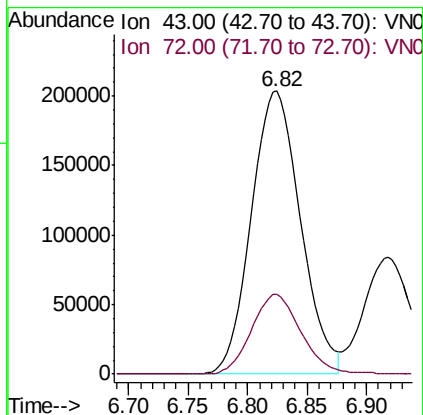
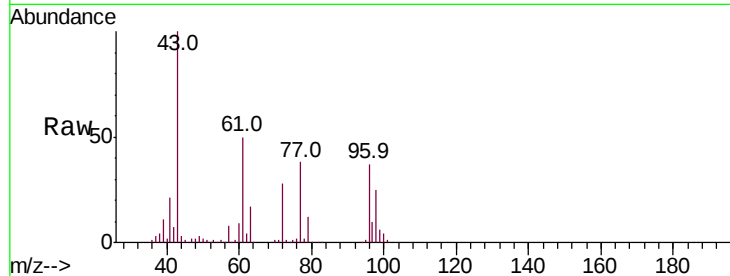
72 28.2 21.5 32.3

Manual Integrations

APPROVED

MMDadoda

8/7/2019 4:09:48 AM



#26

2,2-Dichloropropane

Concen: 50.461 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN057088.D

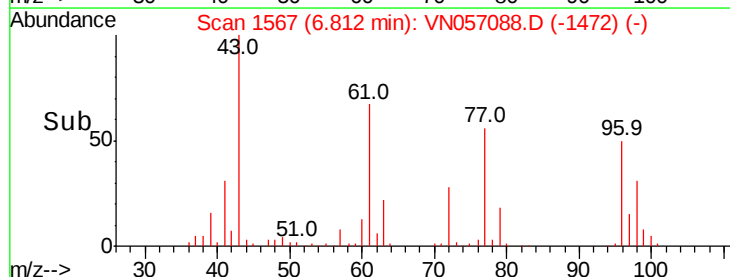
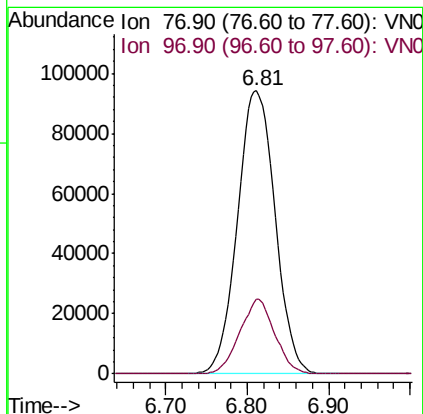
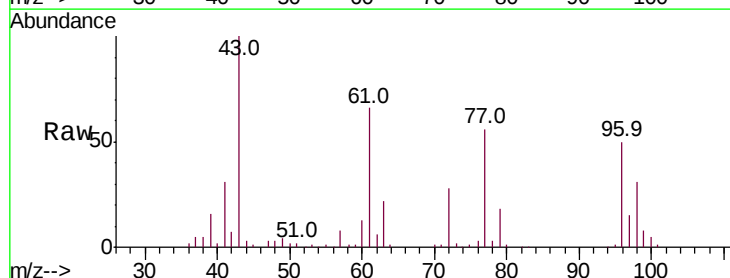
Acq: 5 Aug 2019 17:34

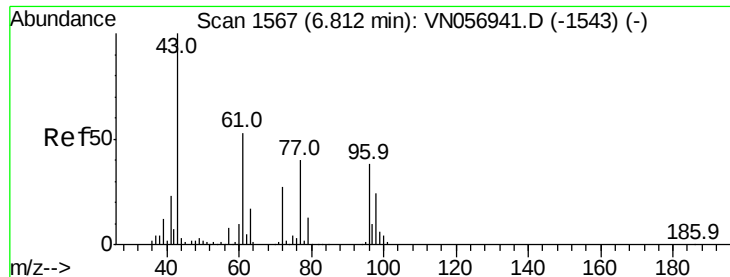
Tgt Ion: 77 Resp: 301097

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.253 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

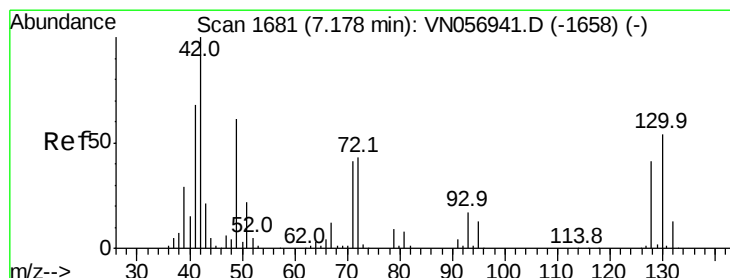
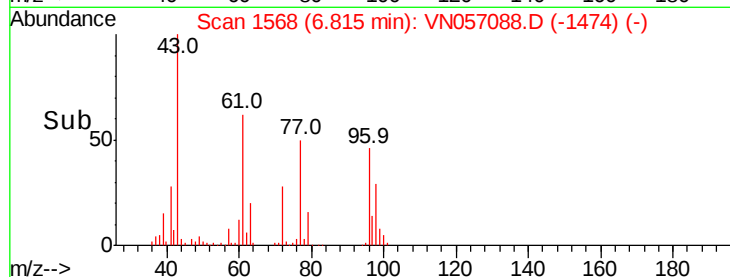
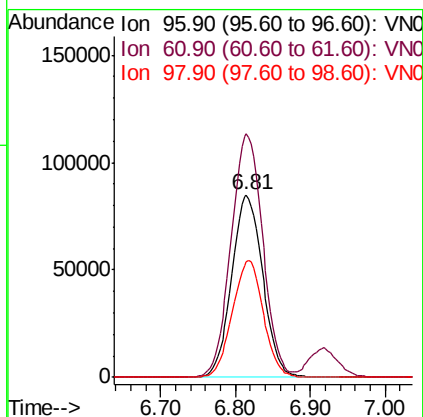
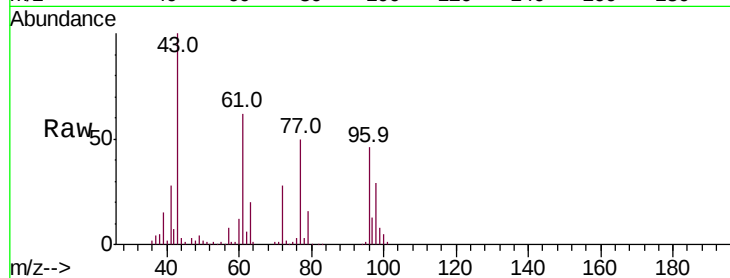
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	24521
Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	277.2
98	63.7	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM



#28

Bromochloromethane

Concen: 47.776 ug/l

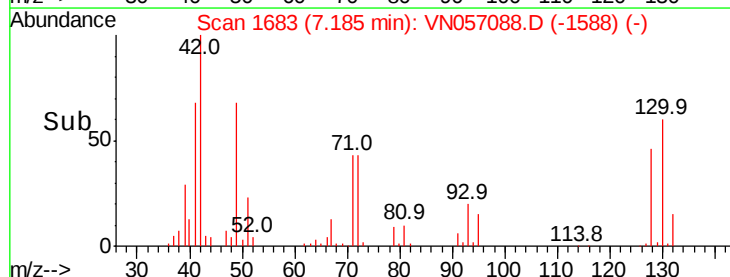
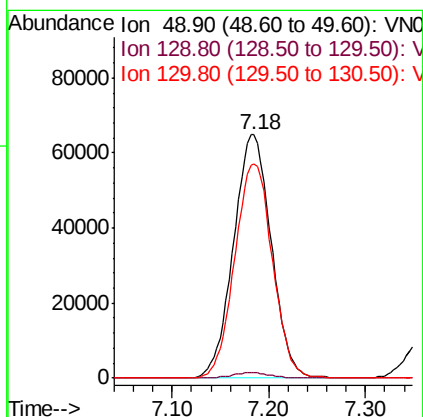
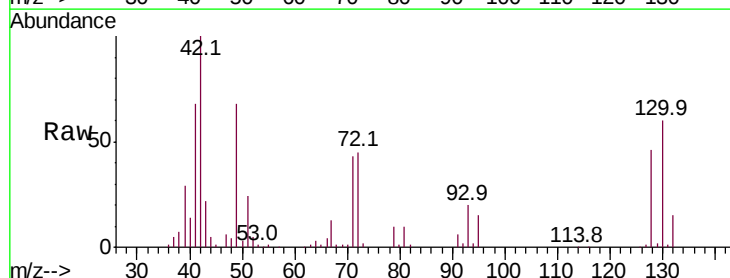
RT: 7.18 min Scan# 1683

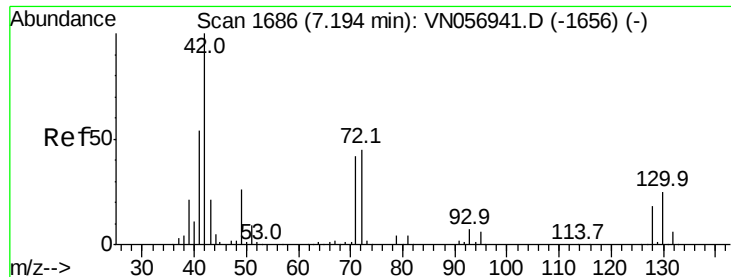
Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion:	49	Resp:	176227
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	87.9	69.0	103.4





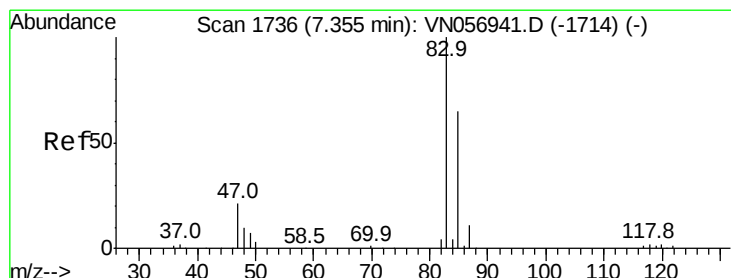
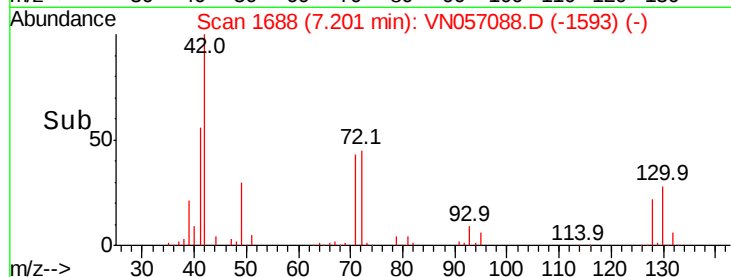
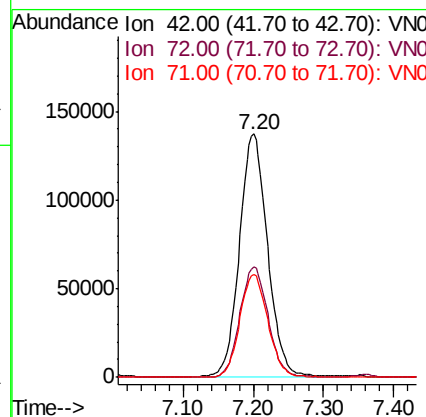
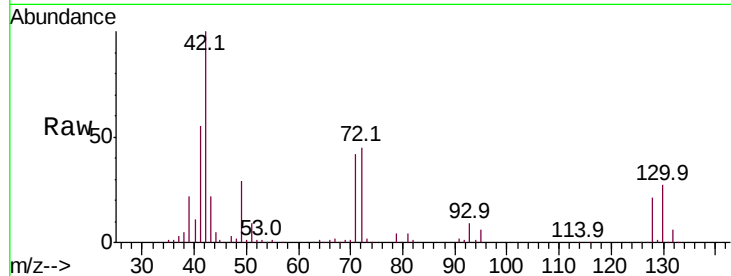
#29
Tetrahydrofuran
Concen: 245.794 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.6	53.4
71	42.4	33.5	50.3

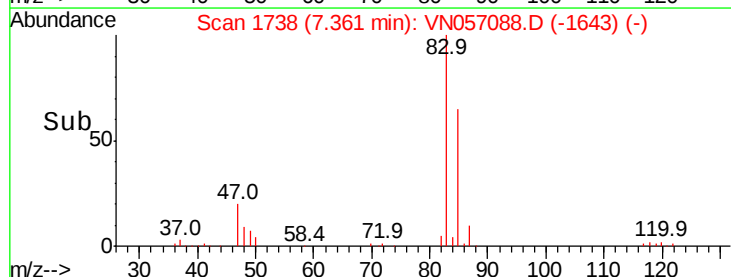
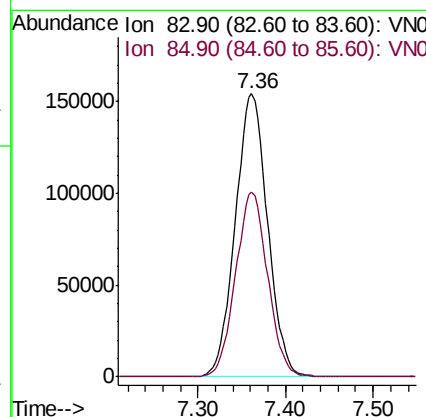
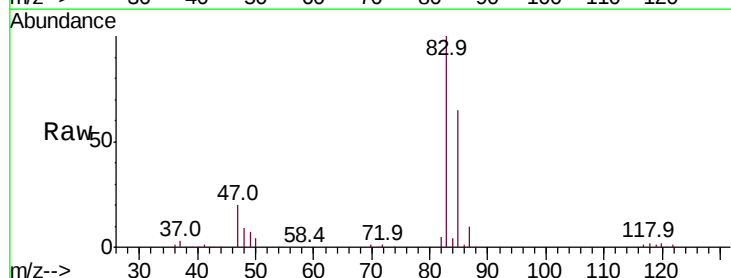
Manual Integrations
APPROVED

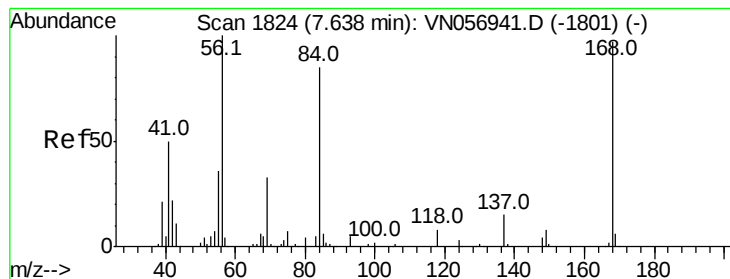
MMDadoda
8/7/2019 4:09:48 AM



#30
Chloroform
Concen: 49.350 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.2





#31

Cyclohexane

Concen: 43.053 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 326931

Ion Ratio Lower Upper

56 100

69 34.1 26.2 39.2

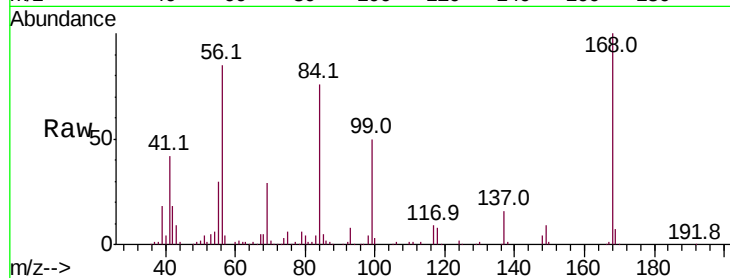
84 87.9 68.2 102.2

Manual Integrations

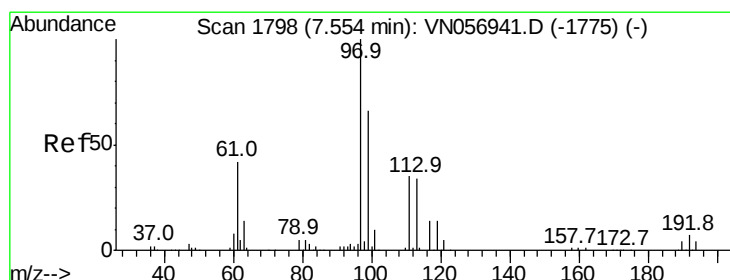
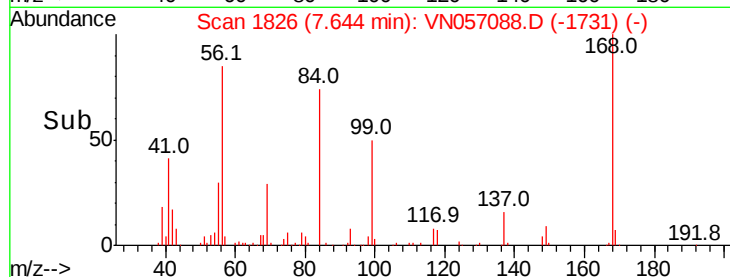
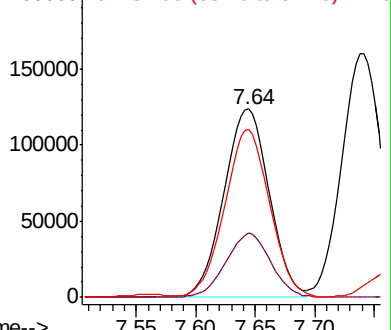
APPROVED

MMDadoda

8/7/2019 4:09:48 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: 51.958 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

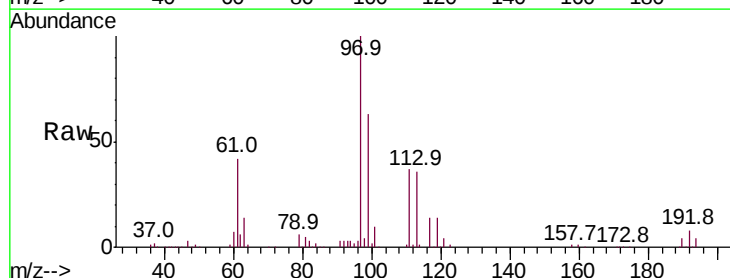
Tgt Ion: 97 Resp: 332622

Ion Ratio Lower Upper

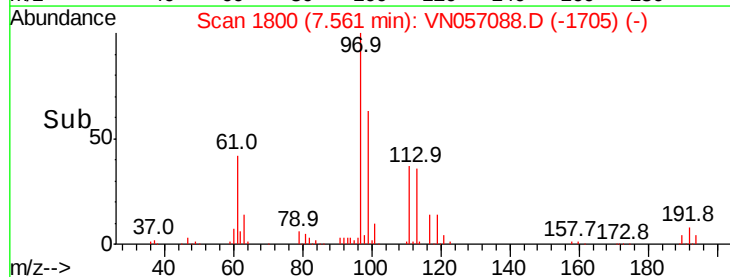
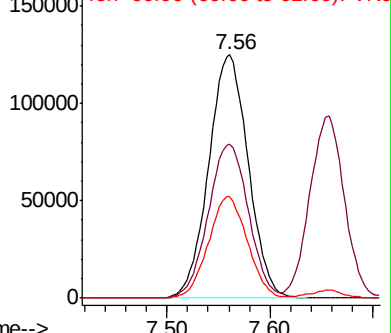
97 100

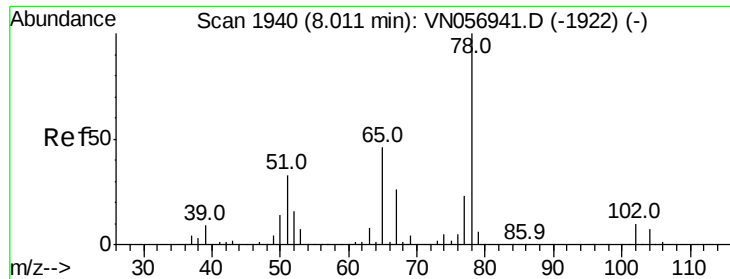
99 64.4 52.3 78.5

61 41.2 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





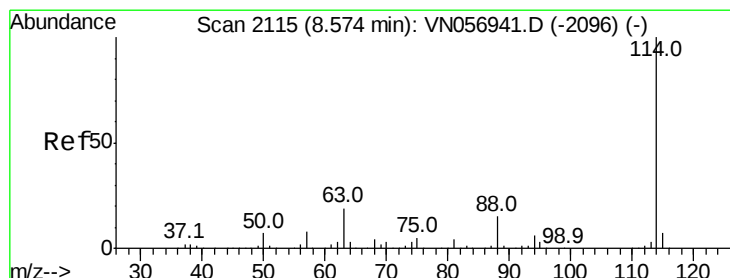
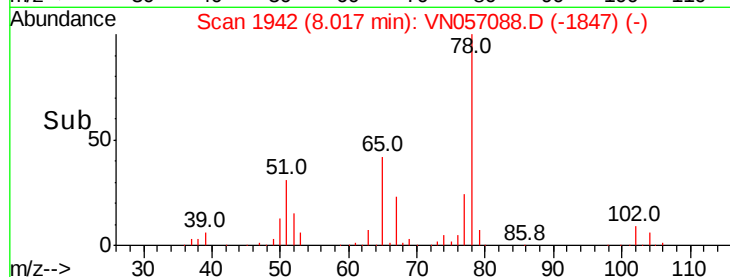
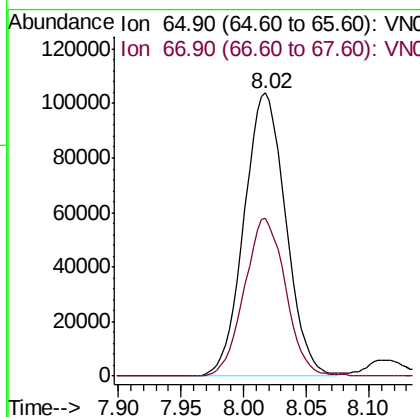
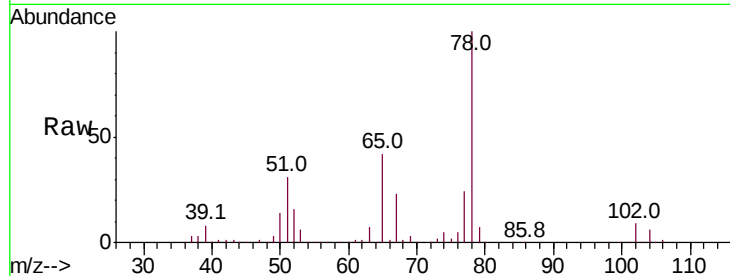
#33
 1,2-Dichloroethane-d4
 Concen: 52.070 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240638		
67	55.1	0.0	112.0	

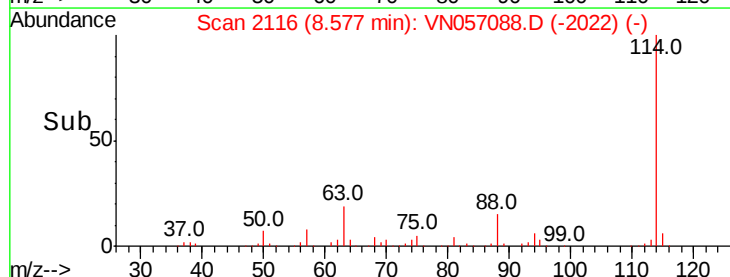
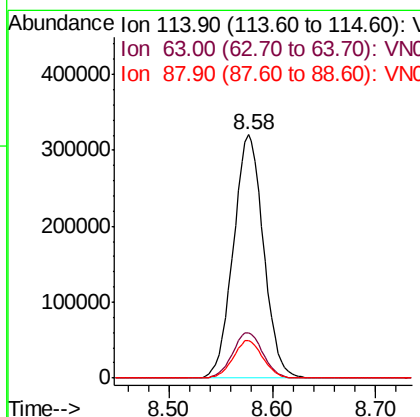
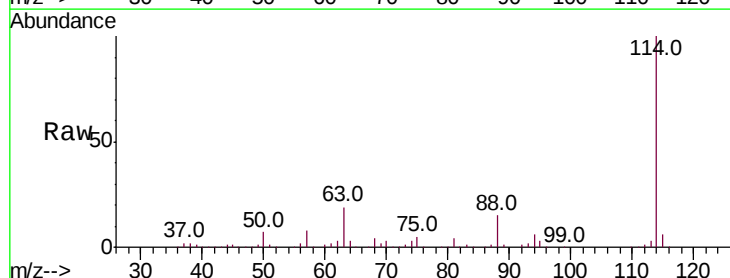
Manual Integrations
 APPROVED

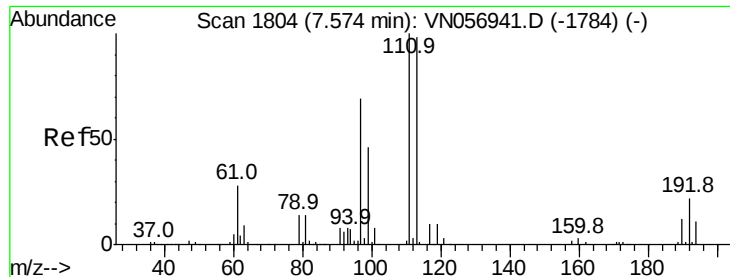
MMDadoda
 8/7/2019 4:09:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	651961		
63	18.6	0.0	38.0	
88	15.5	0.0	30.0	





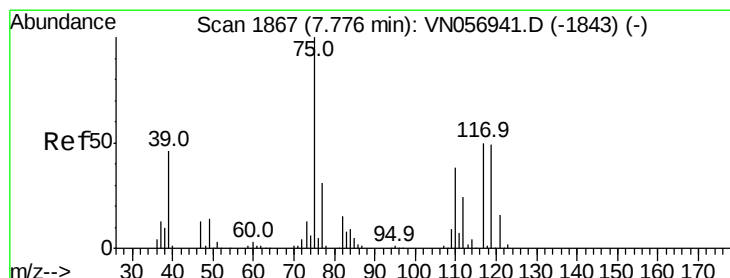
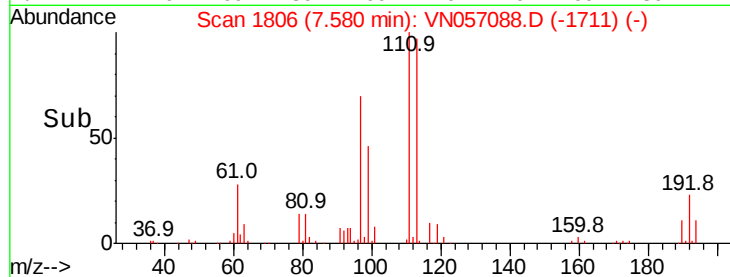
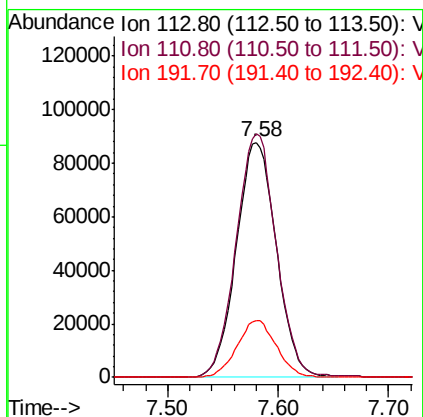
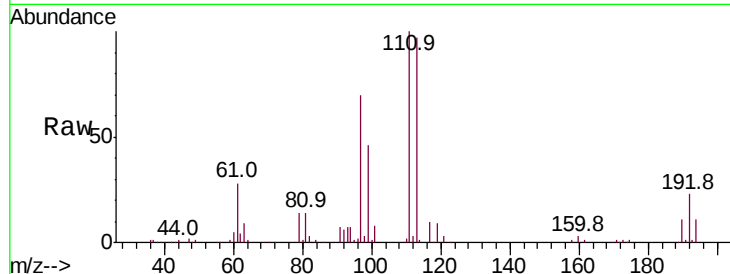
#35
 Dibromofluoromethane
 Concen: 52.885 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.0	123.0
192	23.8	18.4	27.6

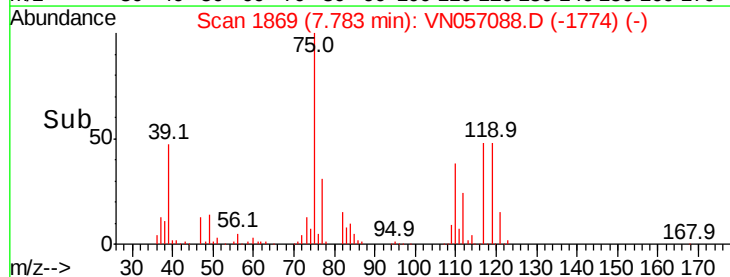
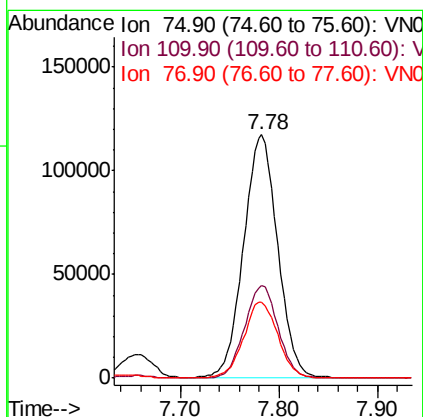
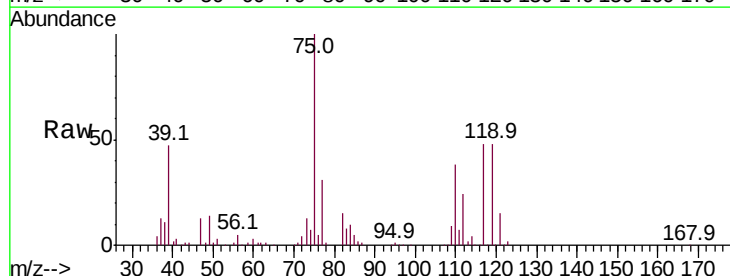
Manual Integrations
 APPROVED

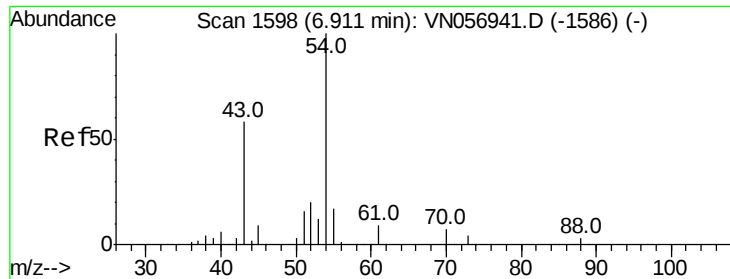
MMDadoda
 8/7/2019 4:09:48 AM



#36
 1,1-Dichloropropene
 Concen: 48.609 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.6	55.8
77	31.7	25.2	37.8





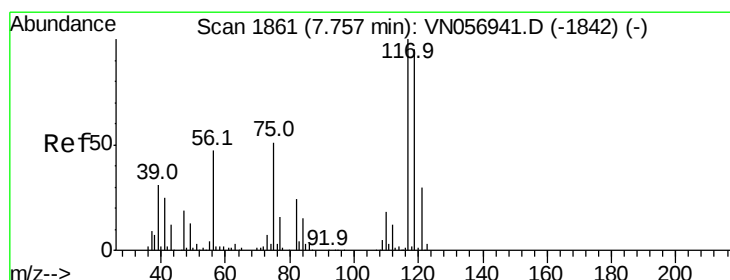
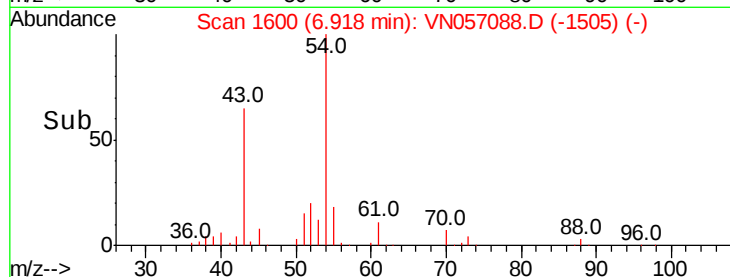
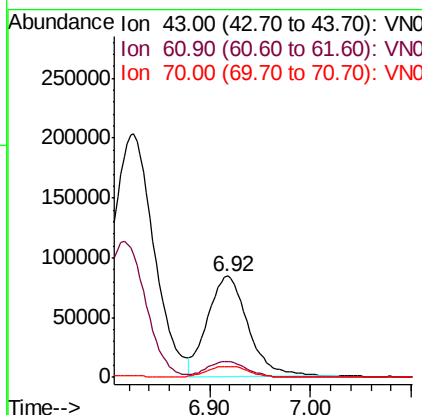
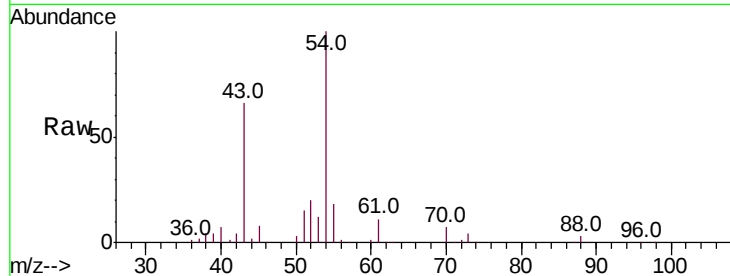
#37
Ethyl Acetate
Concen: 51.060 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	234606
Ion Ratio	100	Lower	Upper
43	100		
61	15.2	11.8	17.6
70	11.6	8.5	12.7

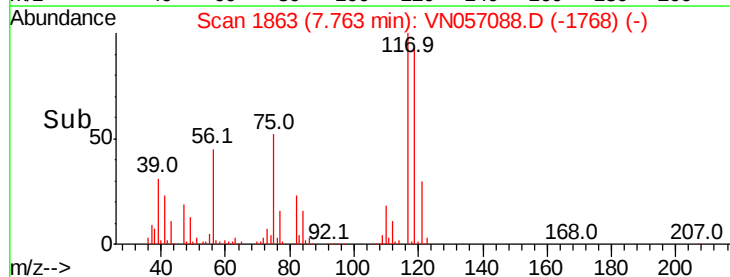
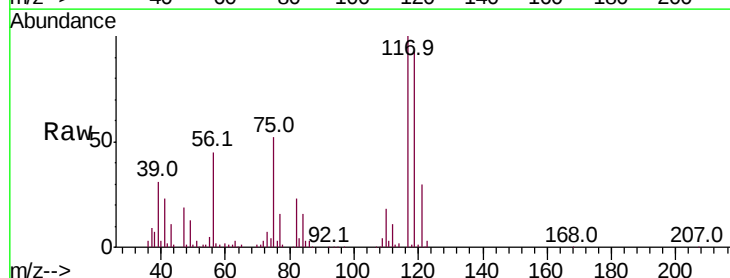
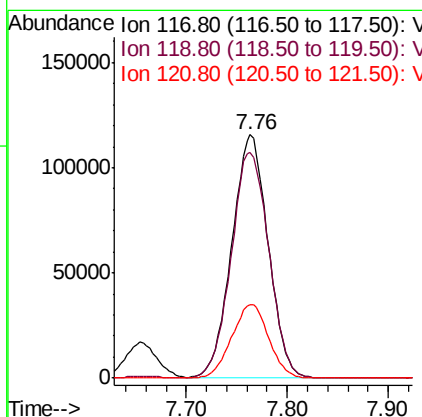
Manual Integrations
APPROVED

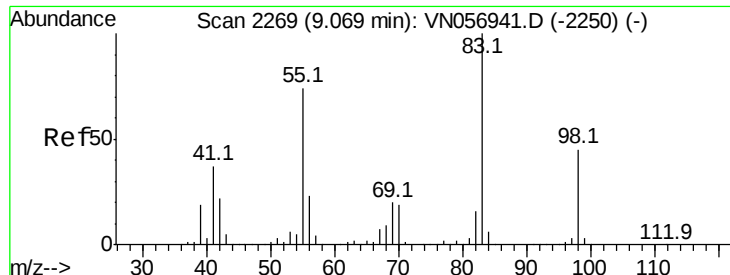
MMDadoda
8/7/2019 4:09:48 AM



#38
Carbon Tetrachloride
Concen: 53.313 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion	117	Resp	289301
Ion Ratio	100	Lower	Upper
117	100		
119	92.8	75.3	112.9
121	30.4	24.2	36.4





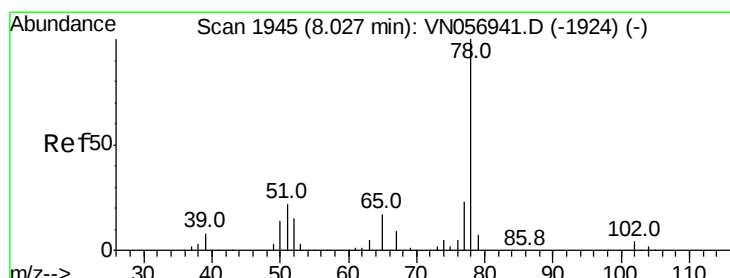
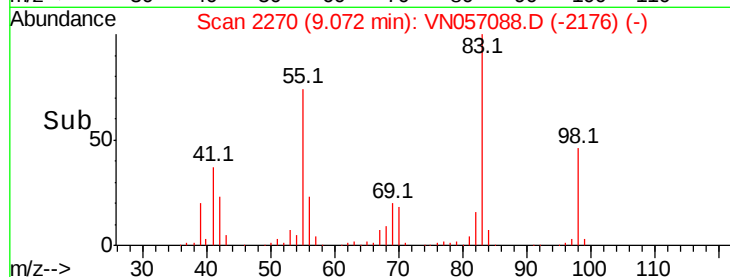
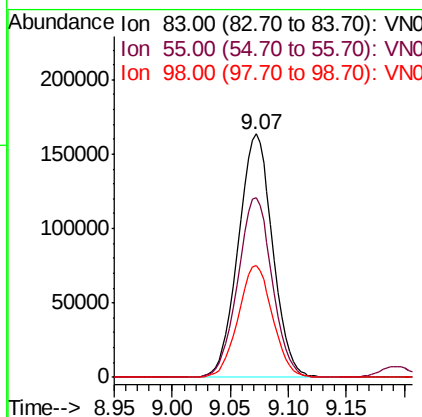
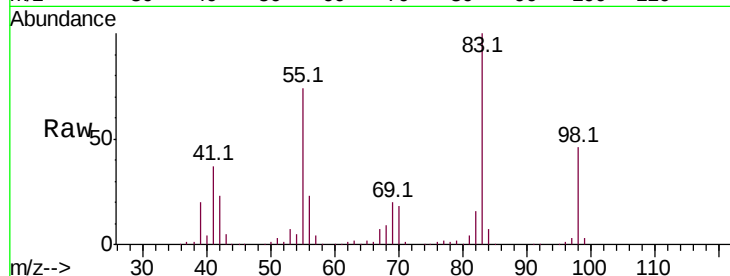
#39
Methvlcvclohexane
Concen: 45.874 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.0	88.6
98	45.7	36.2	54.4

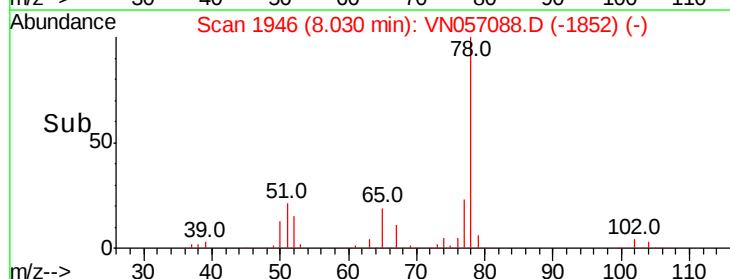
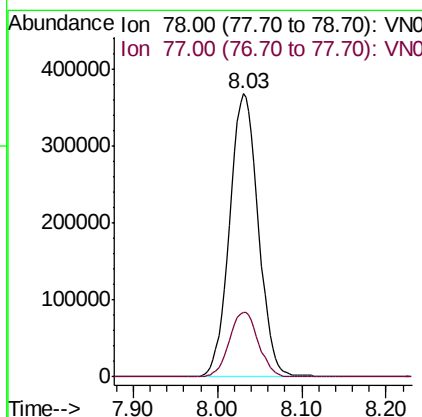
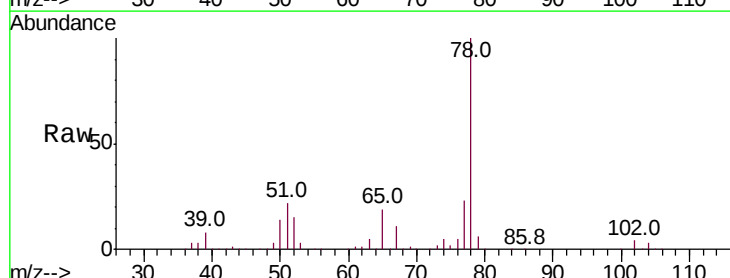
Manual Integrations
APPROVED

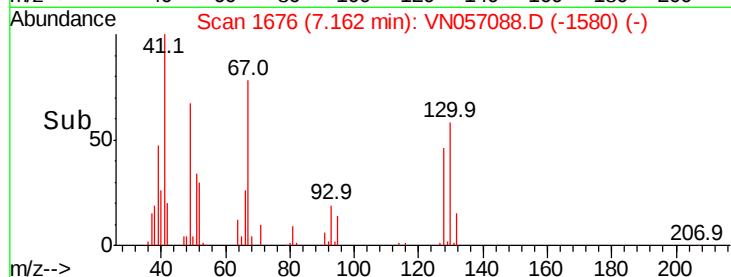
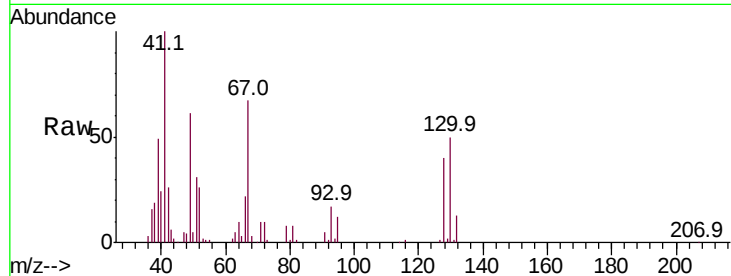
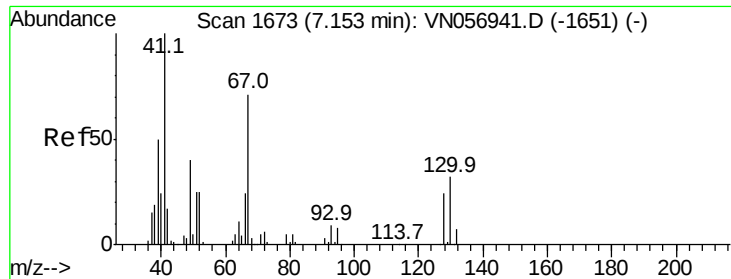
MMDadoda
8/7/2019 4:09:48 AM



#40
Benzene
Concen: 49.418 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

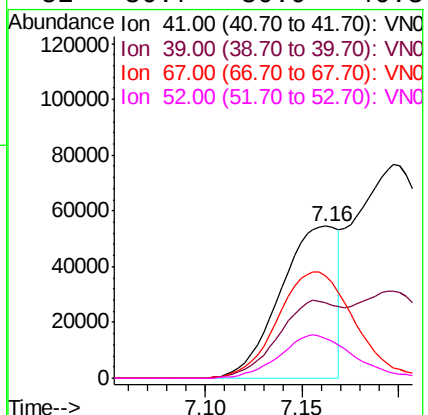
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.3	27.5





#41
Methacrylonitrile
Concen: 53.024 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

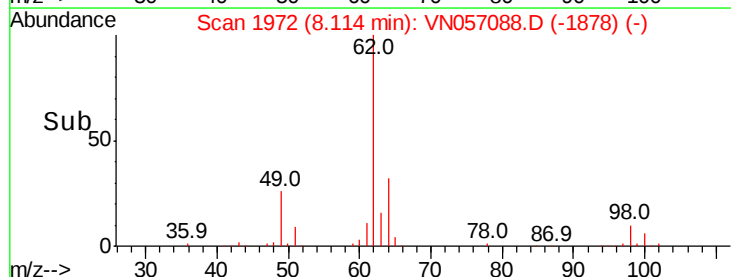
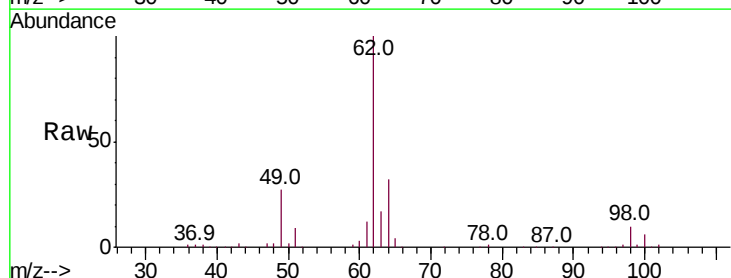
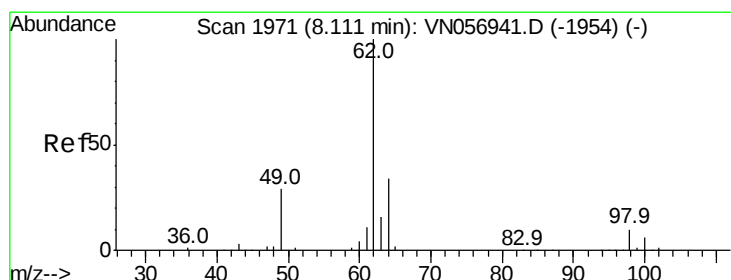
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	48.9	73.3	
67	93.6	83.4	125.0	
52	36.7	30.9	46.3	



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

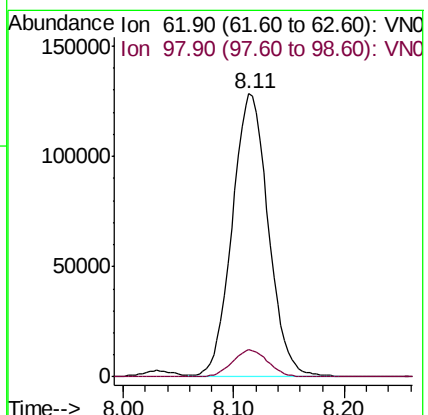
Manual Integrations
APPROVED

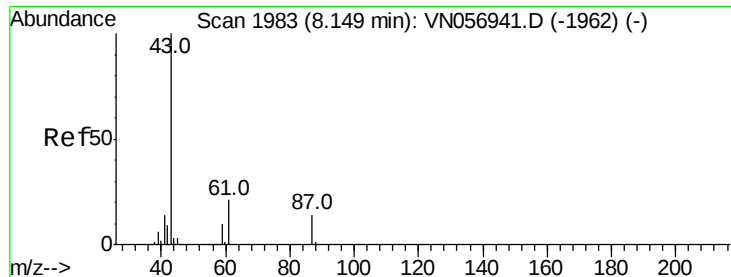
MMDadoda
8/7/2019 4:09:48 AM



#42
1,2-Dichloroethane
Concen: 52.295 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.6	





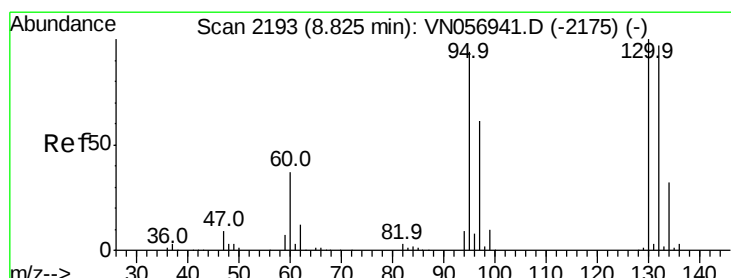
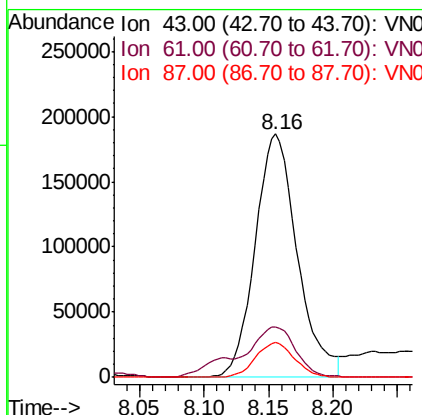
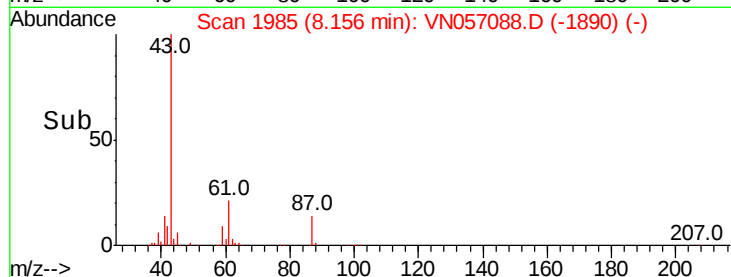
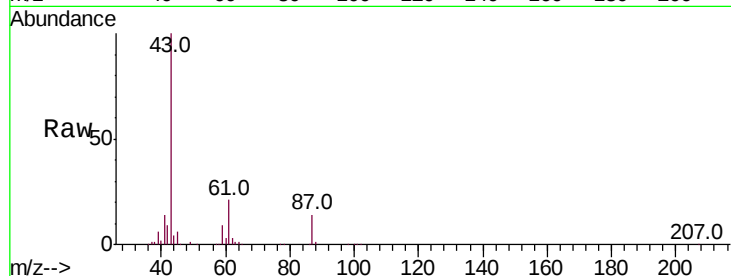
#43
Isopropyl Acetate
Concen: 55.839 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	23.0	34.6#
87	13.5	11.7	17.5

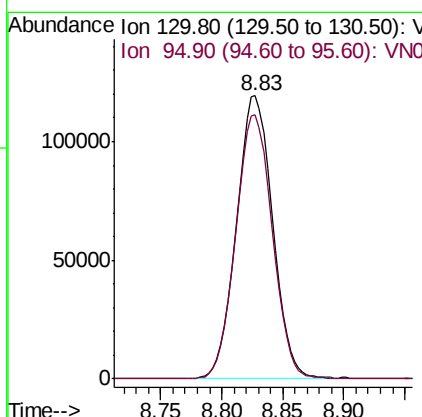
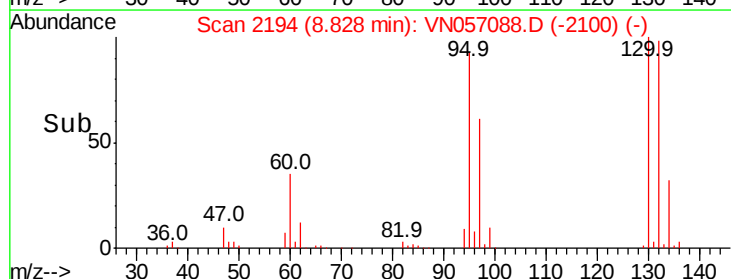
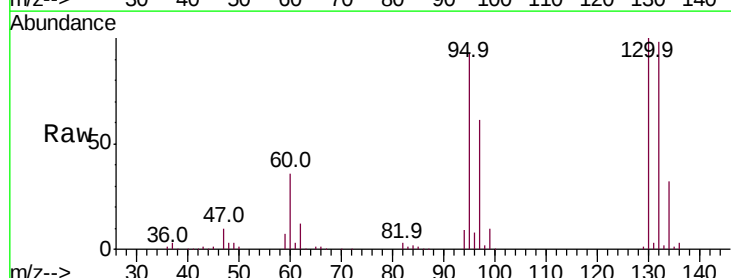
Manual Integrations
APPROVED

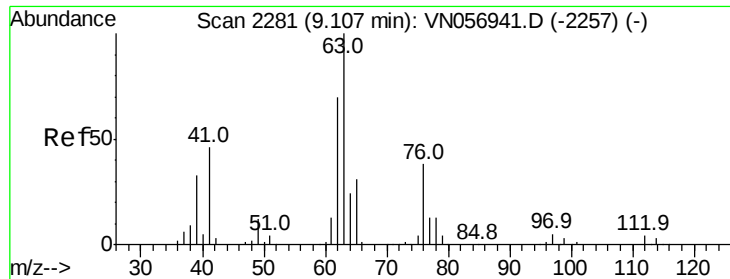
MMDadoda
8/7/2019 4:09:48 AM



#44
Trichloroethene
Concen: 50.317 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	189.0





#45

1,2-Dichloropropane

Concen: 49.919 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 235927

Ion Ratio Lower Upper

63 100

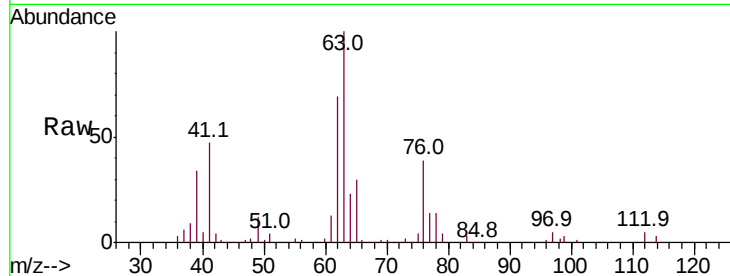
65 30.5 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

8/7/2019 4:09:48 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

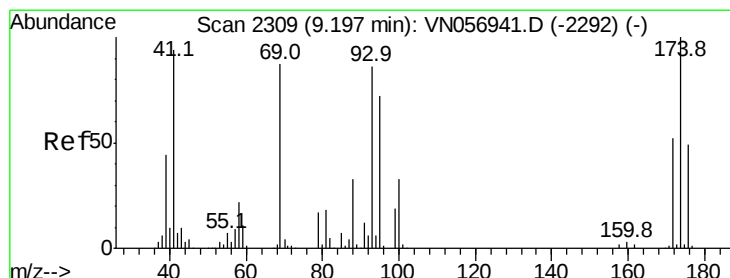
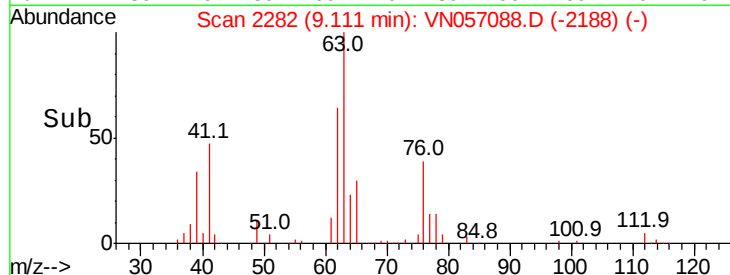
9.11

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.983 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

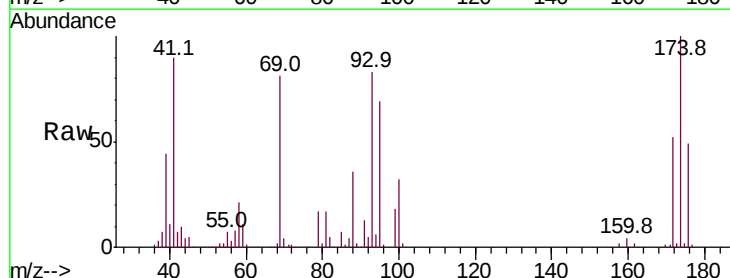
Tgt Ion: 93 Resp: 151015

Ion Ratio Lower Upper

93 100

95 82.9 67.0 100.6

174 119.0 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

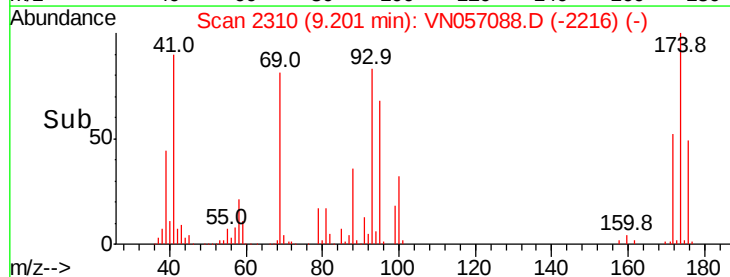
60000

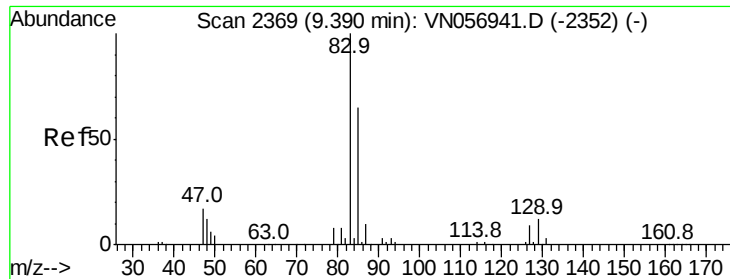
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 54.005 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

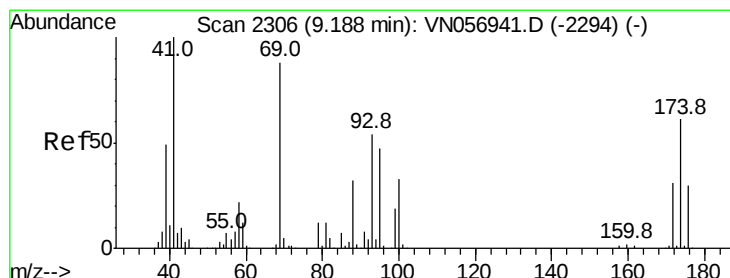
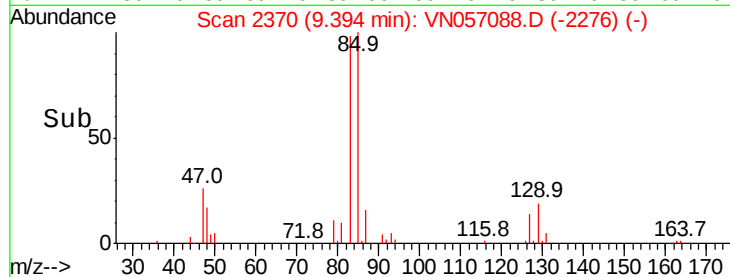
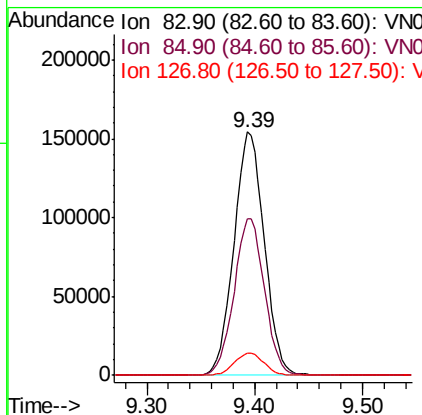
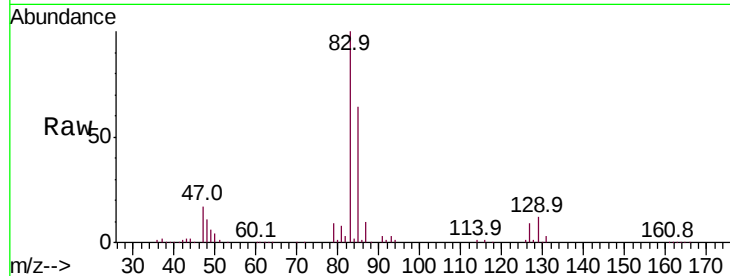
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	302639
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.6	77.4
127	9.0	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM



#48

Methyl methacrylate

Concen: 52.869 ug/l

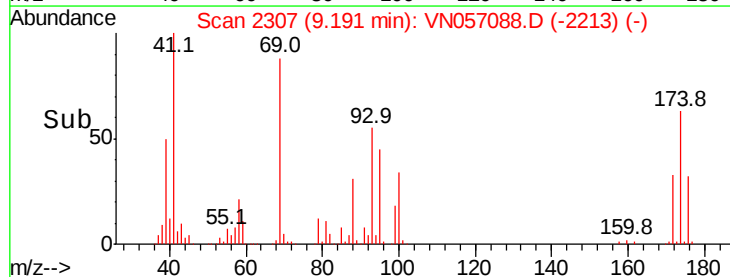
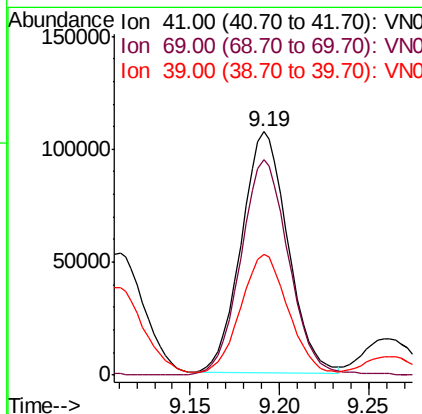
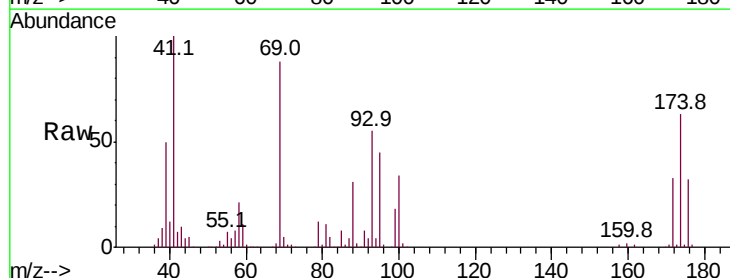
RT: 9.19 min Scan# 2307

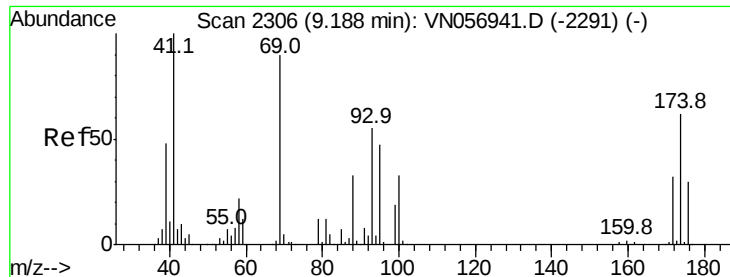
Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion:	41	Resp:	193843
Ion Ratio	Lower	Upper	
41	100		
69	92.5	73.4	110.0
39	51.6	39.9	59.9





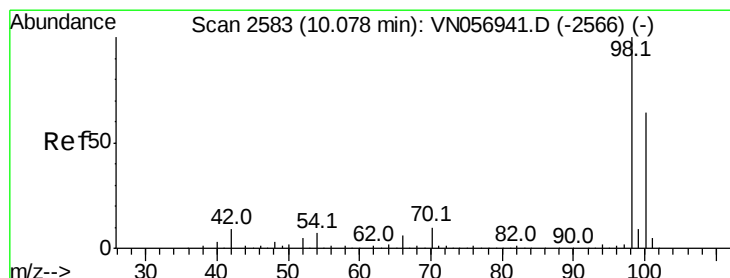
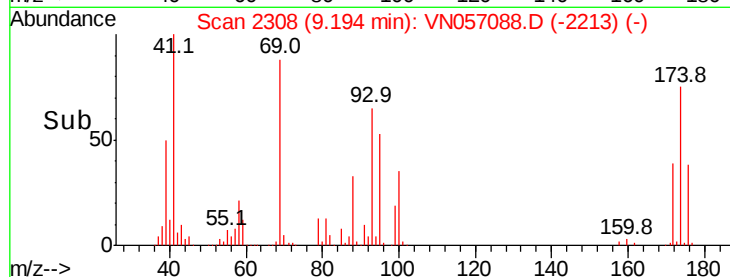
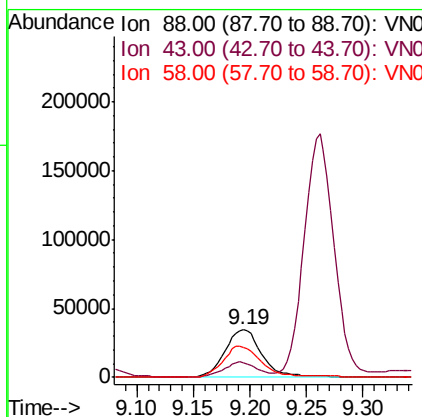
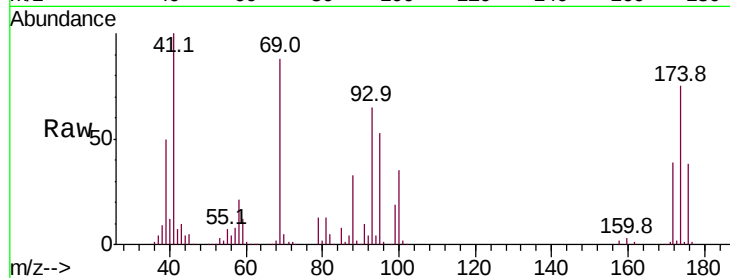
#49
 1,4-Dioxane
 Concen: 1050.663 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	79386
Ion	Ratio	Lower	Upper
88	100		
43	27.4	22.2	33.2
58	66.0	54.1	81.1

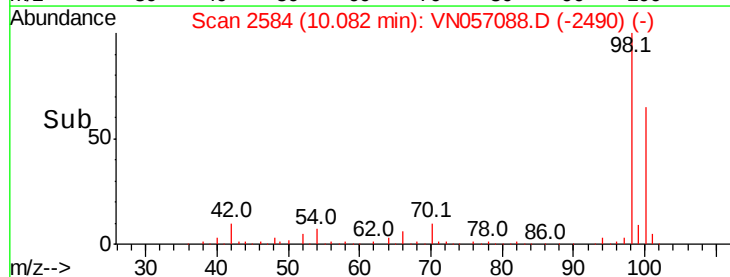
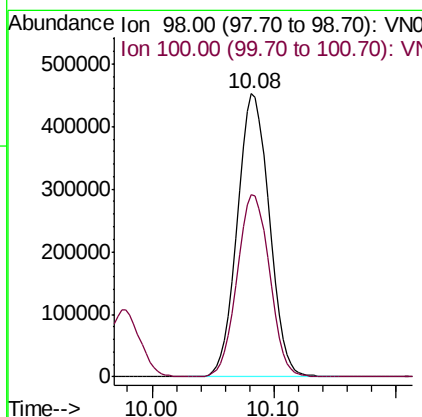
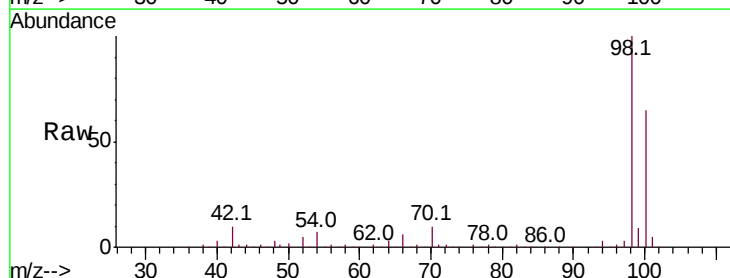
Manual Integrations
 APPROVED

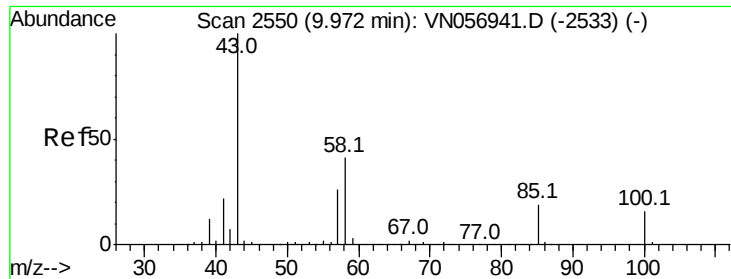
MMDadoda
 8/7/2019 4:09:48 AM



#50
 Toluene-d8
 Concen: 51.517 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	98	Resp	819949
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 259.310 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1170056

Ion Ratio Lower Upper

43 100

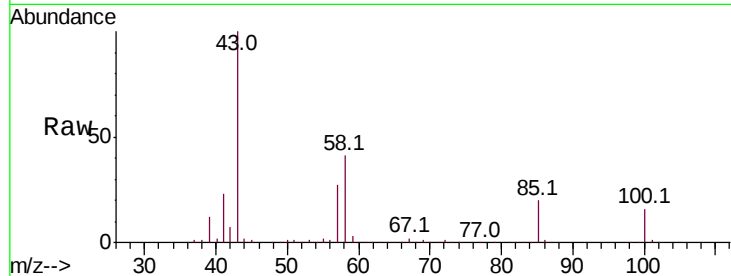
58 41.6 33.1 49.7

Manual Integrations

APPROVED

MMDadoda

8/7/2019 4:09:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

600000

400000

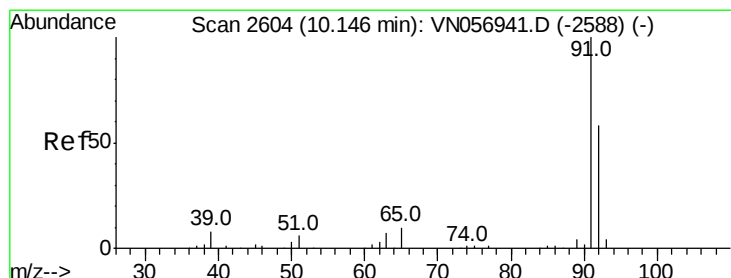
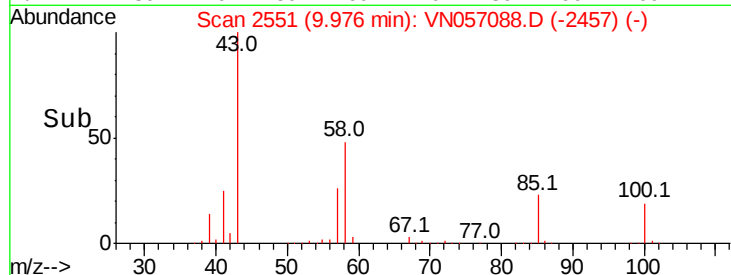
200000

0

Time-->

9.90

10.00



#52

Toluene

Concen: 51.343 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057088.D

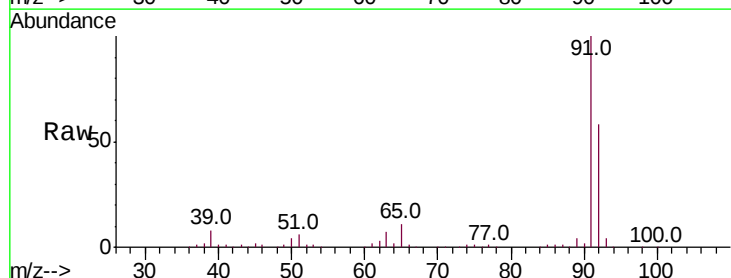
Acq: 5 Aug 2019 17:34

Tgt Ion: 92 Resp: 545063

Ion Ratio Lower Upper

92 100

91 174.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

600000

500000

400000

300000

200000

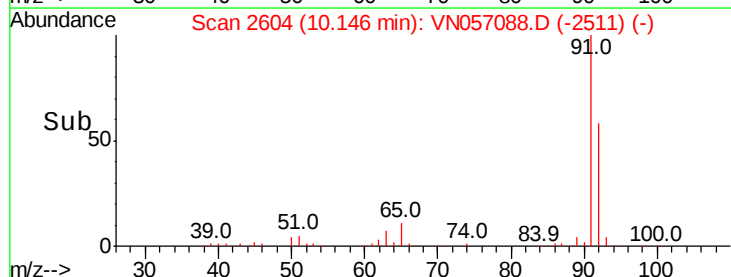
100000

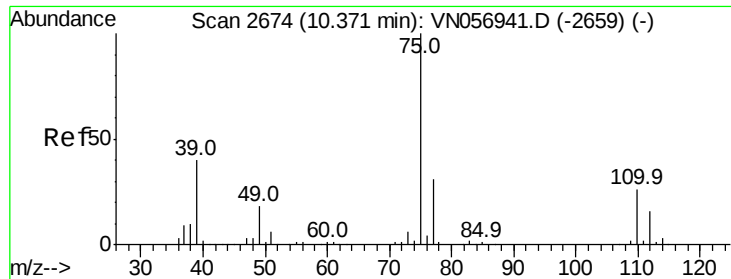
0

Time-->

10.10

10.20





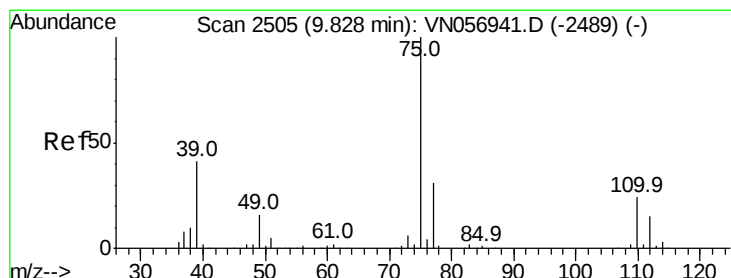
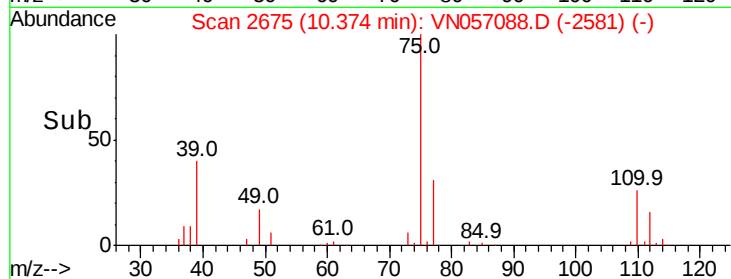
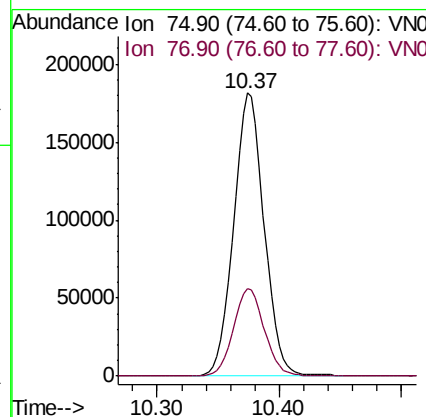
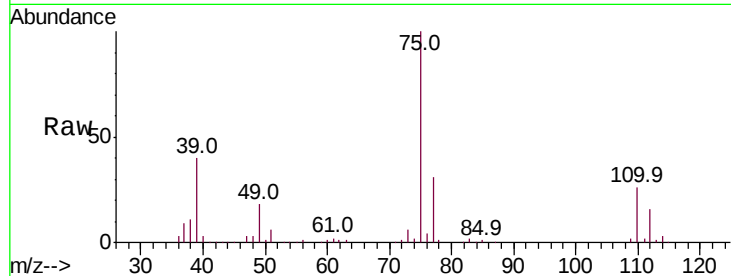
#53
t-1,3-Dichloropropene
Concen: 54.178 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 315057
Ion Ratio Lower Upper
75 100
77 30.8 25.1 37.7

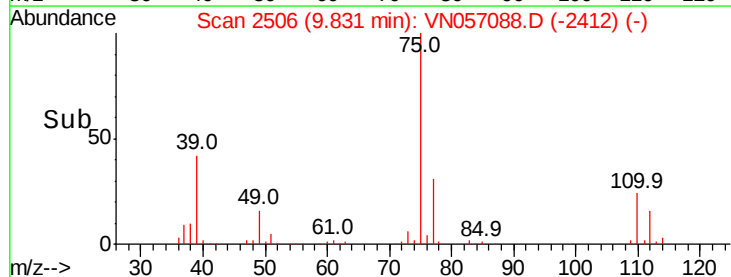
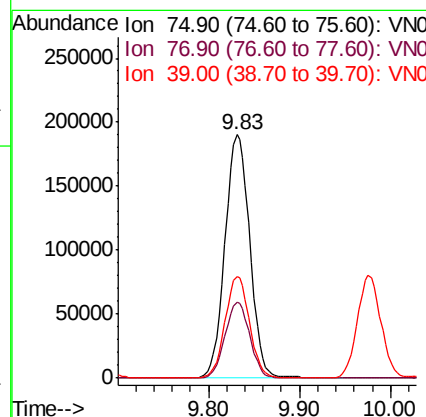
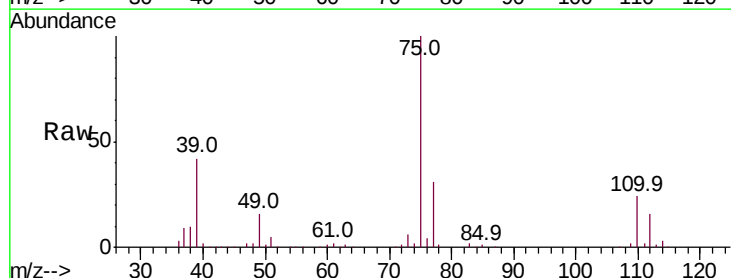
Manual Integrations
APPROVED

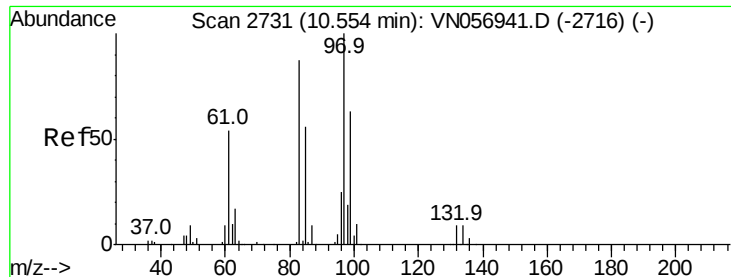
MMDadoda
8/7/2019 4:09:48 AM



#54
cis-1,3-Dichloropropene
Concen: 53.353 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 75 Resp: 360742
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
39 41.8 32.6 49.0





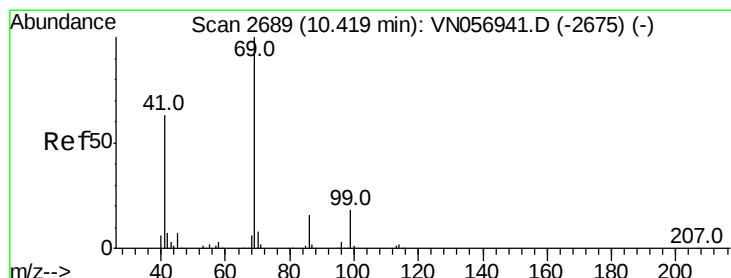
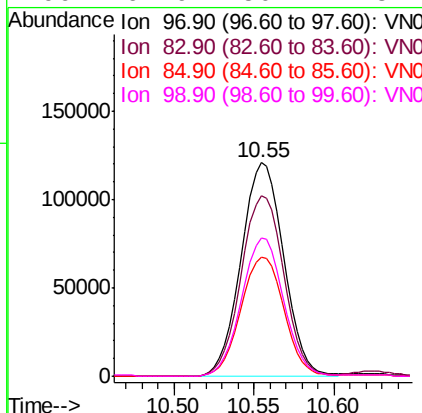
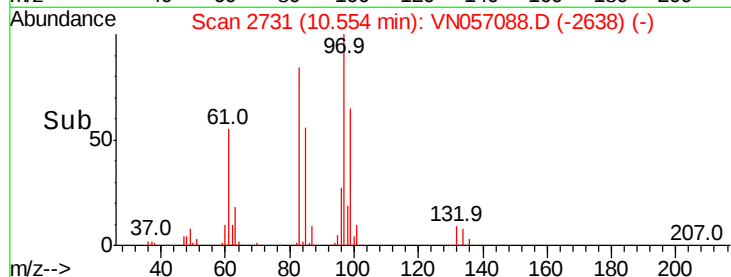
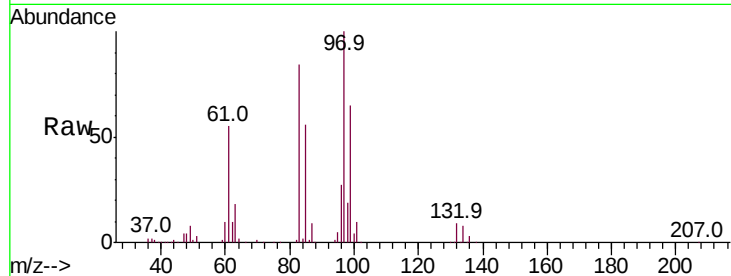
#55
 1,1,2-Trichloroethane
 Concen: 51.676 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	220005
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.4	104.0
85	56.0	44.7	67.1
99	64.9	50.1	75.1

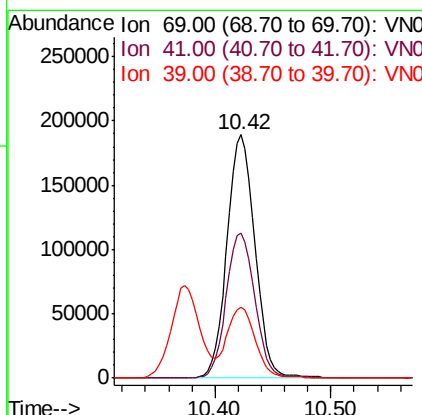
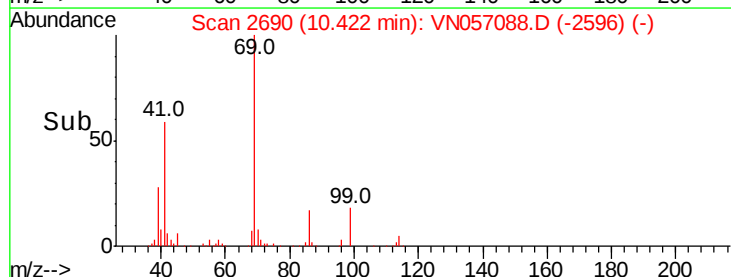
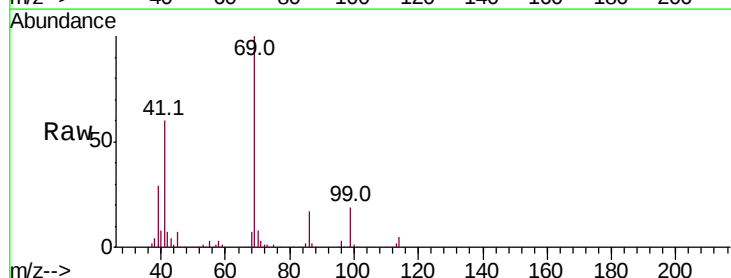
Manual Integrations
 APPROVED

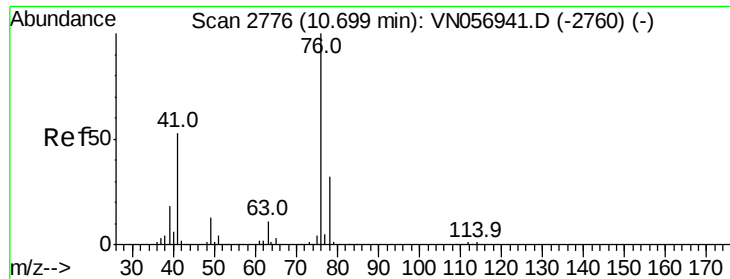
MMDadoda
 8/7/2019 4:09:48 AM



#56
 Ethyl methacrylate
 Concen: 49.283 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion:	69	Resp:	316693
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.2	73.8
39	28.6	23.1	34.7





#57

1,3-Dichloropropane

Concen: 51.539 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

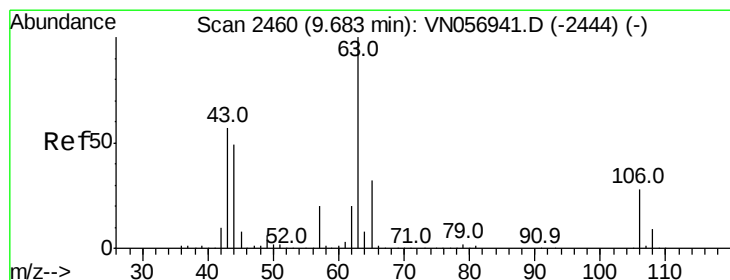
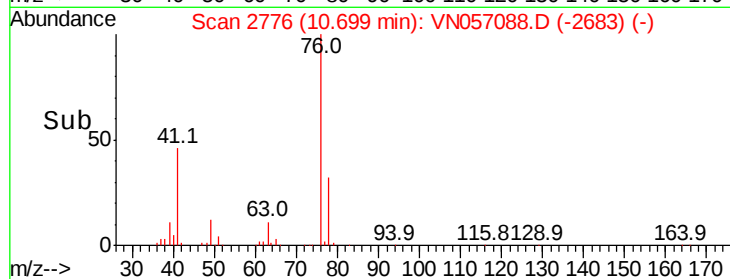
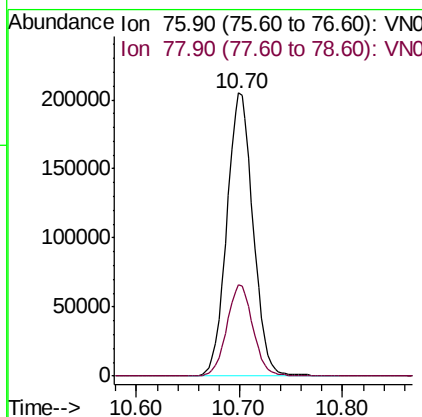
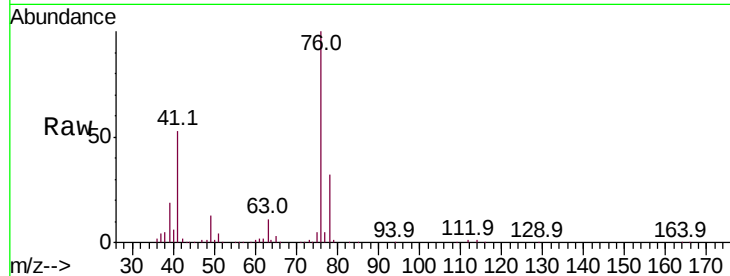
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 363852

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM



#58

2-Chloroethyl Vinyl ether

Concen: 198.600 ug/l

RT: 9.69 min Scan# 2461

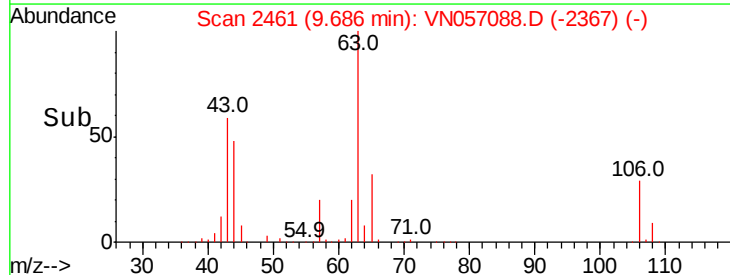
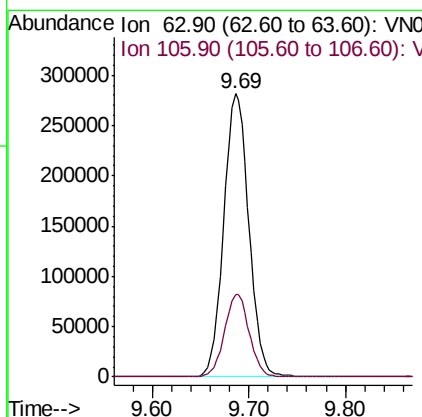
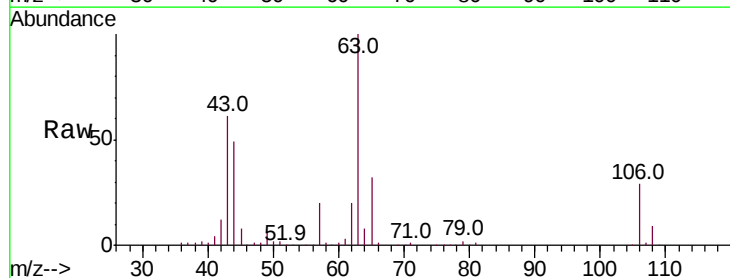
Delta R.T. 0.00 min

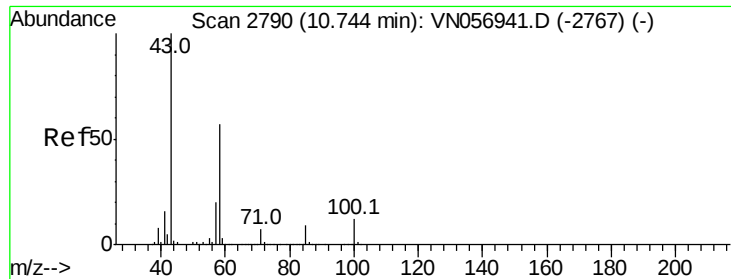
Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion: 63 Resp: 506675

Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.0	33.0





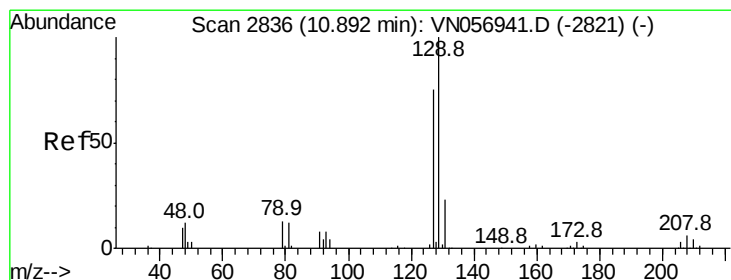
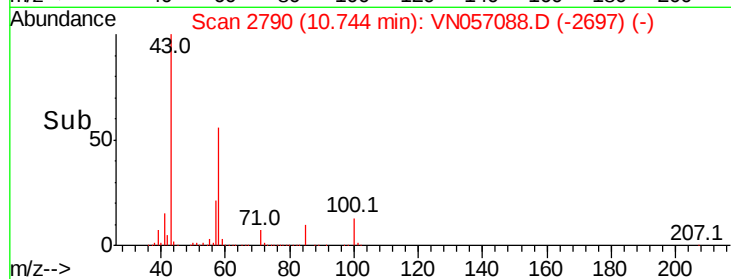
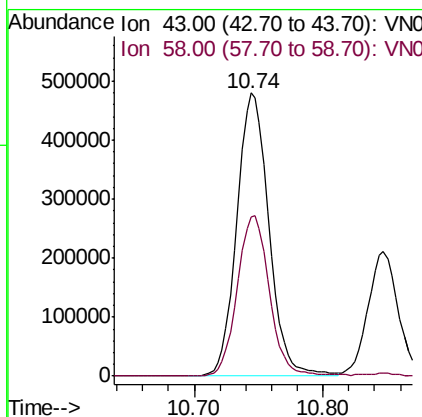
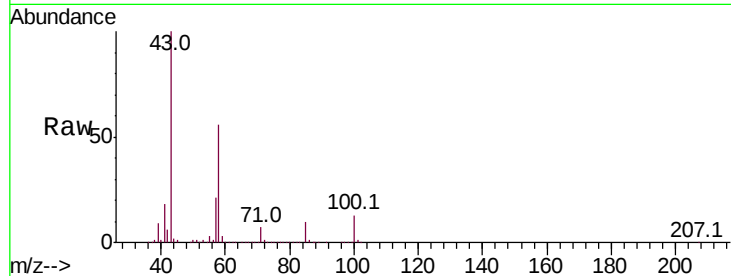
#59
2-Hexanone
Concen: 239.083 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	57.0	Resp	830388	Lower	Upper
Ion	43	58	100	57.0				28.5	85.5

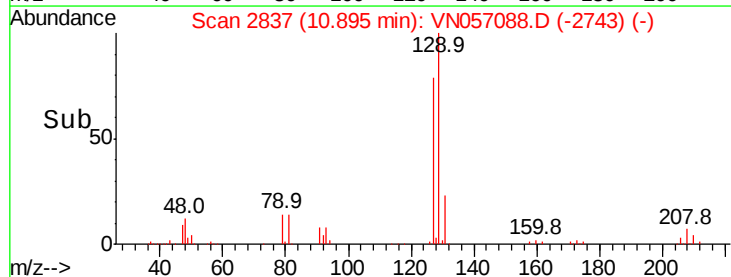
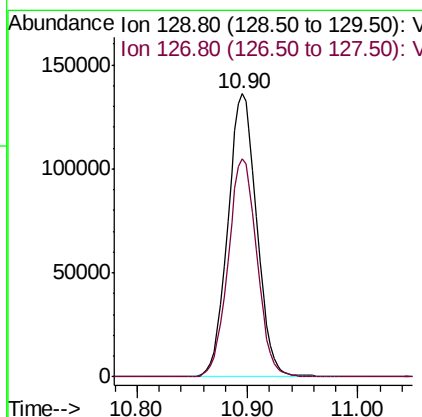
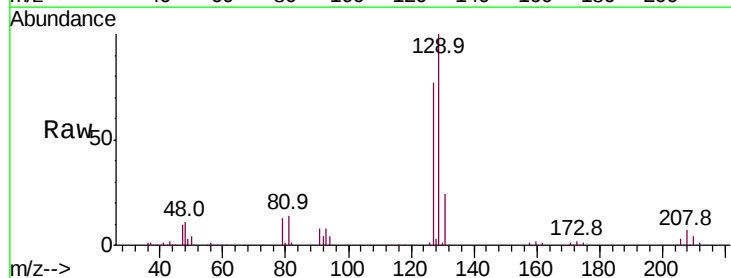
Manual Integrations
APPROVED

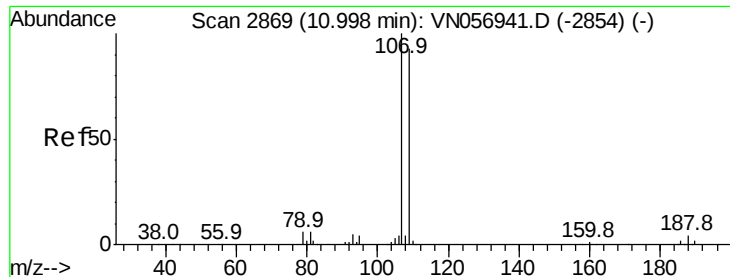
MMDadoda
8/7/2019 4:09:48 AM



#60
Dibromochloromethane
Concen: 56.668 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion	129	127	Ratio	100	76.8	Resp	247172	Lower	Upper
Ion	129	127	100	76.8				38.0	113.9





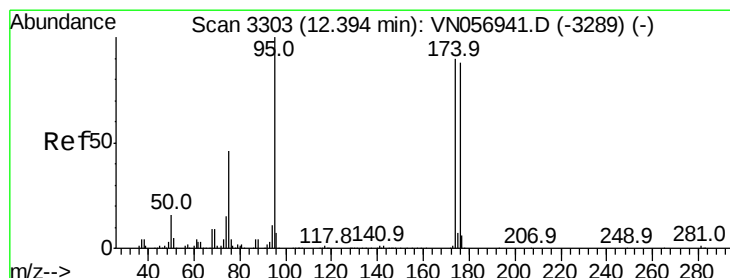
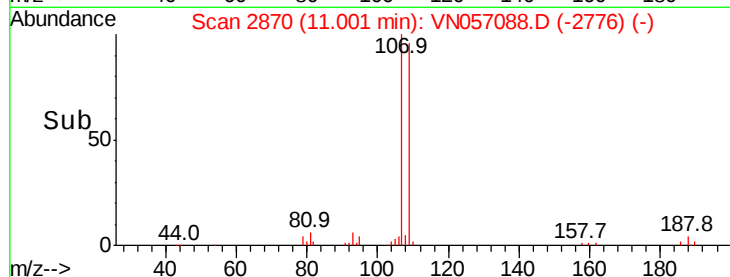
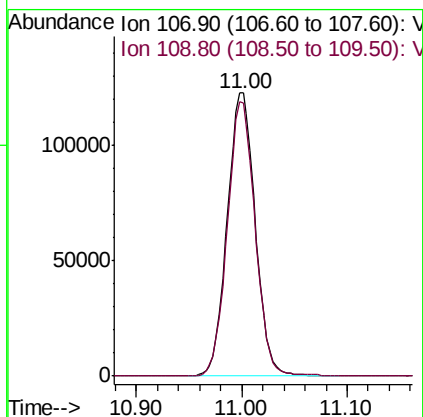
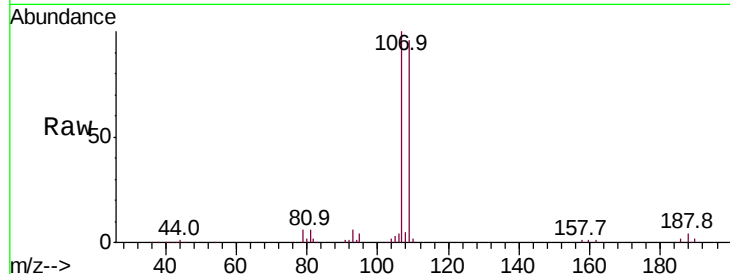
#61
 1,2-Dibromoethane
 Concen: 54.162 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	225030		
109	96.1	76.0	114.0	

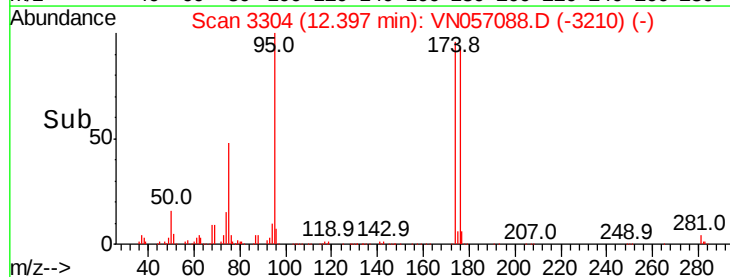
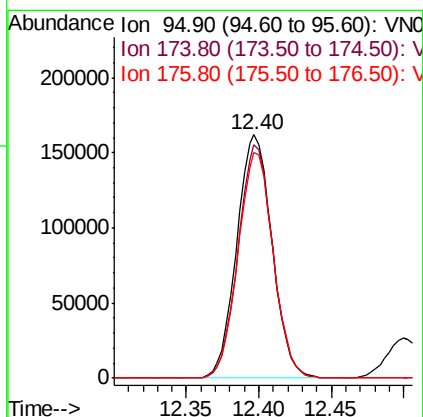
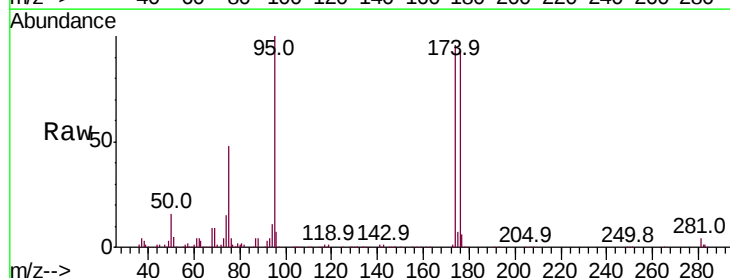
Manual Integrations
 APPROVED

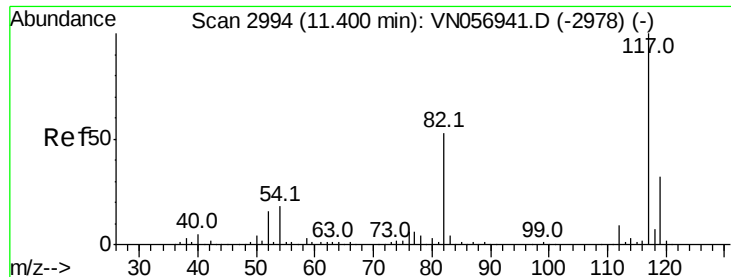
MMDadoda
 8/7/2019 4:09:48 AM



#62
 4-Bromofluorobenzene
 Concen: 53.038 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	274811		
174	93.8	0.0	182.2	
176	92.1	0.0	179.4	





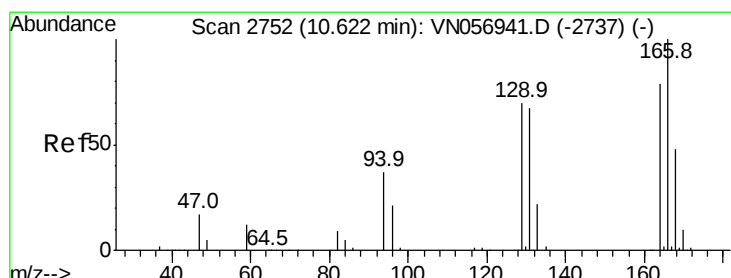
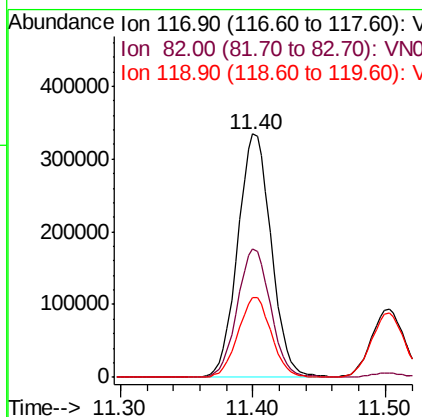
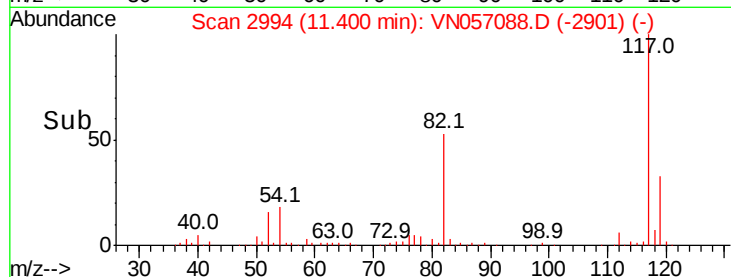
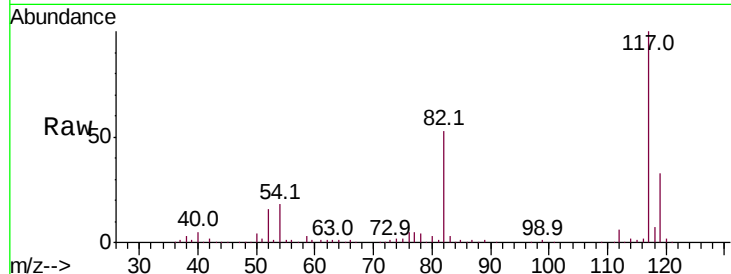
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	32.7	25.8	38.6

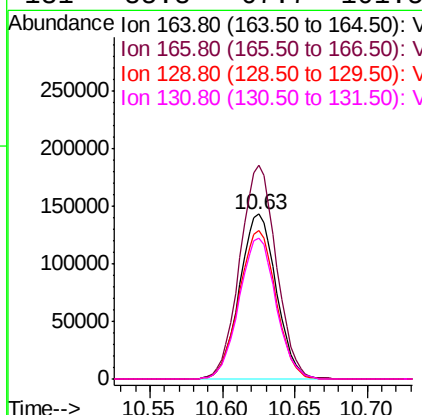
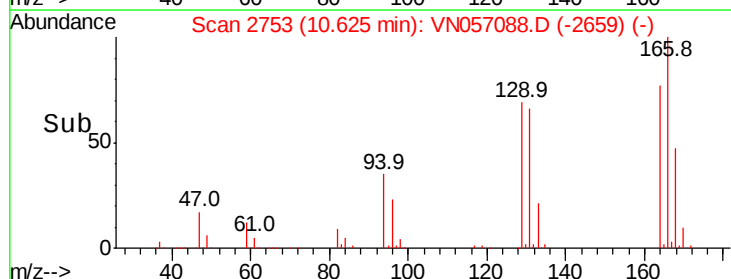
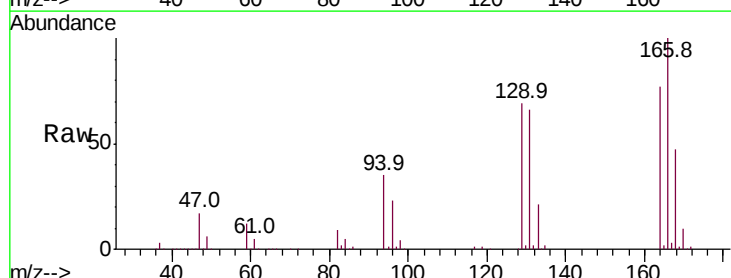
Manual Integrations
APPROVED

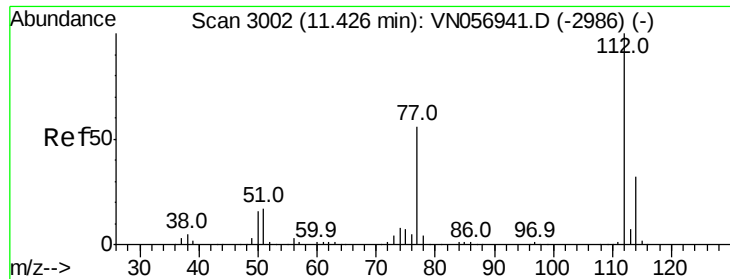
MMDadoda
8/7/2019 4:09:48 AM



#64
Tetrachloroethene
Concen: 49.827 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.1	151.7
129	90.2	70.9	106.3
131	85.8	67.7	101.5





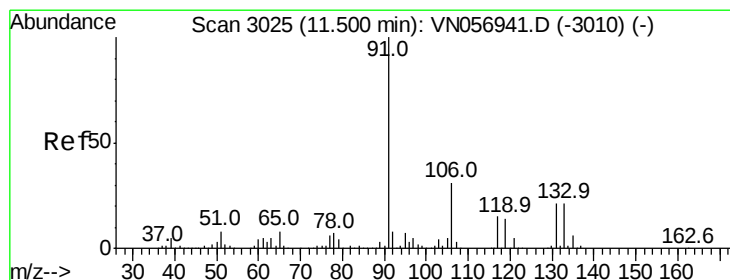
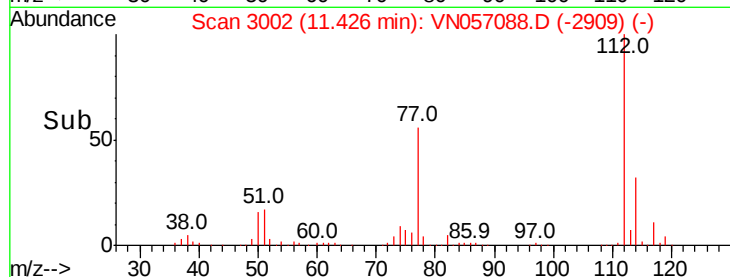
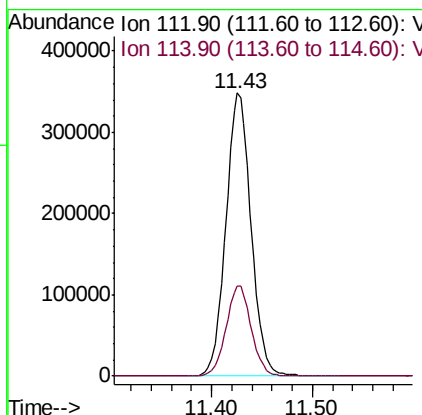
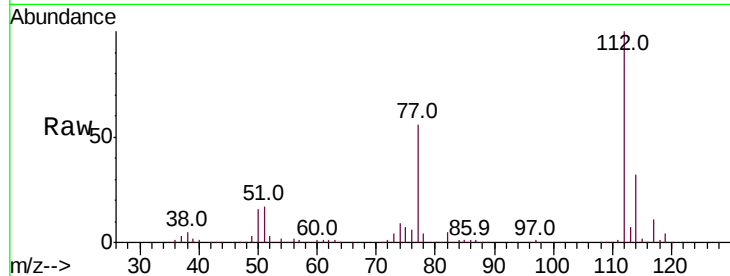
#65
Chlorobenzene
Concen: 50.524 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 605254
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

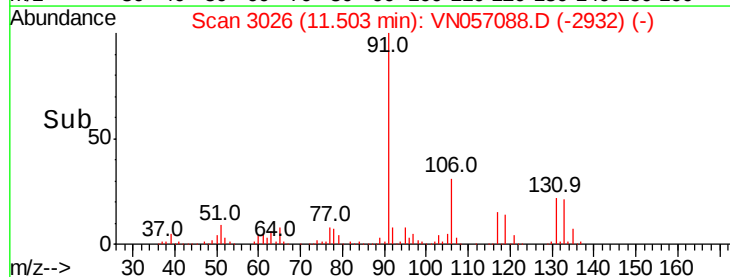
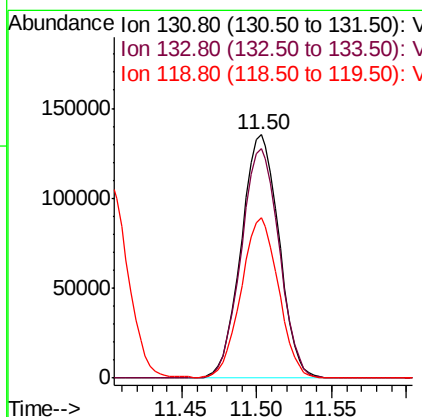
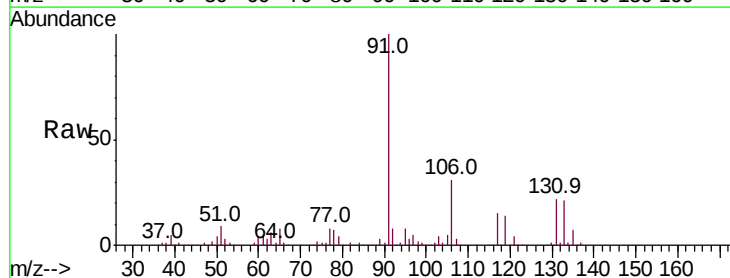
Manual Integrations
APPROVED

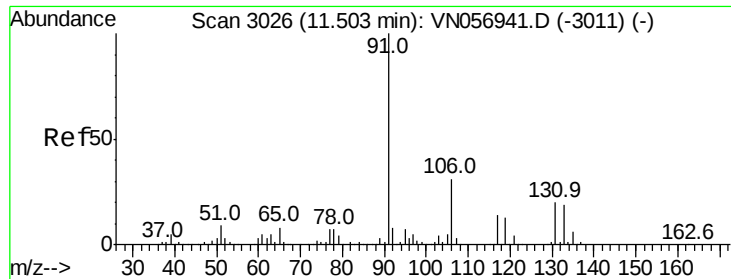
MMDadoda
8/7/2019 4:09:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.832 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion:131 Resp: 238211
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 65.0 33.2 99.6





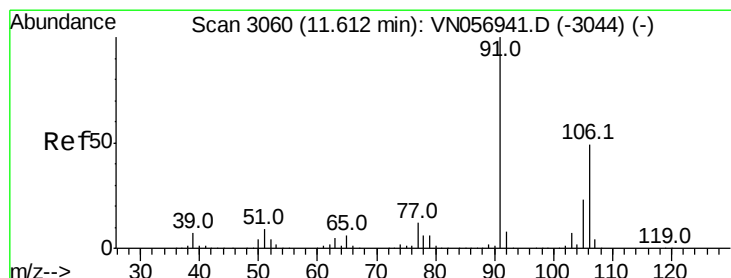
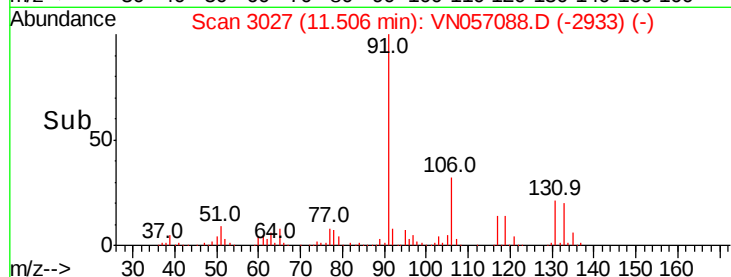
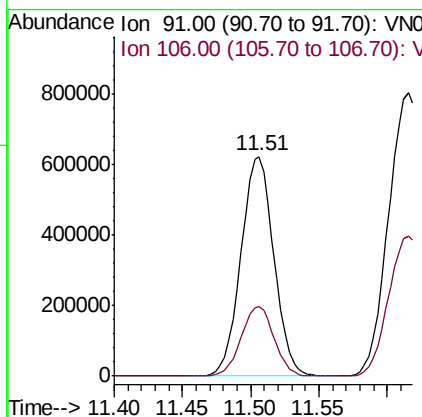
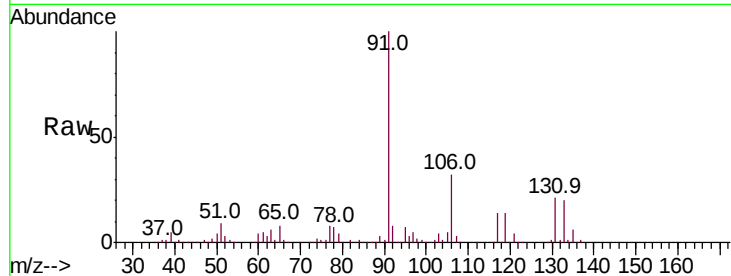
#67
Ethyl Benzene
Concen: 50.337 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1042194
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

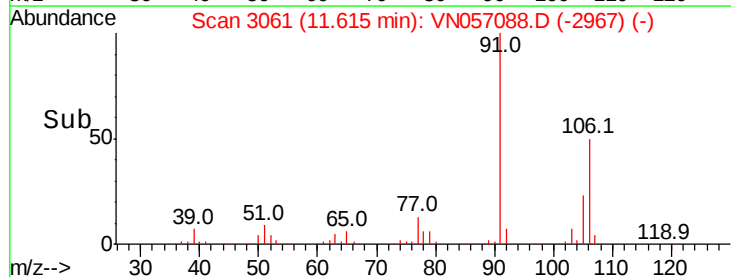
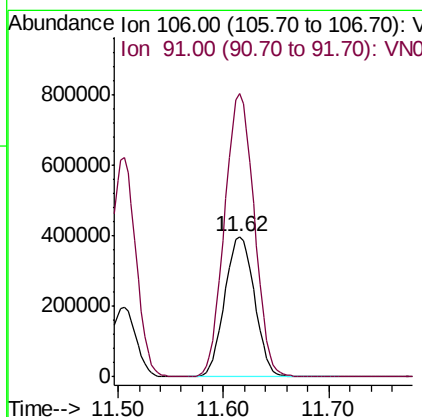
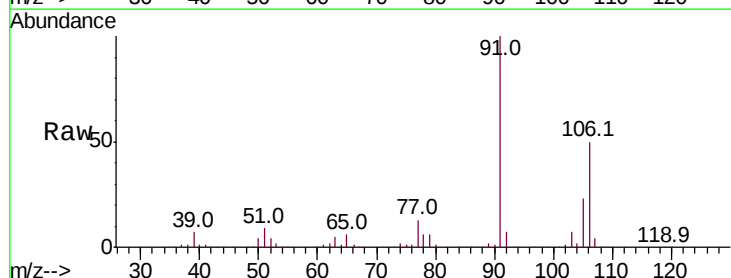
Manual Integrations
APPROVED

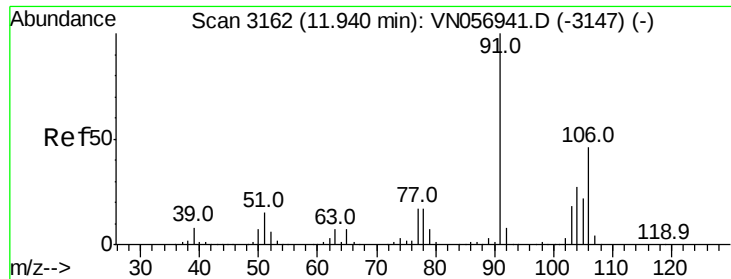
MMDadoda
8/7/2019 4:09:48 AM



#68
m/p-Xylenes
Concen: 102.365 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 106 Resp: 782175
Ion Ratio Lower Upper
106 100
91 200.3 160.0 240.0





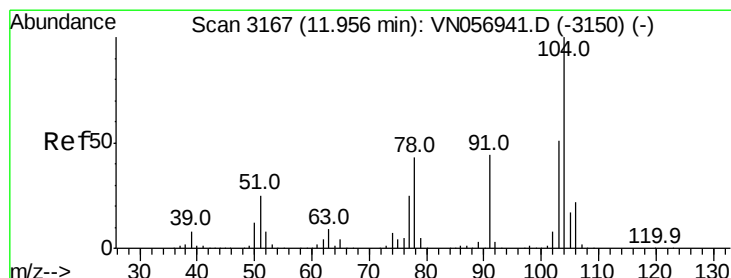
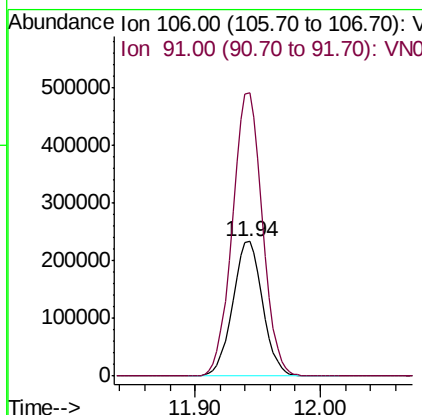
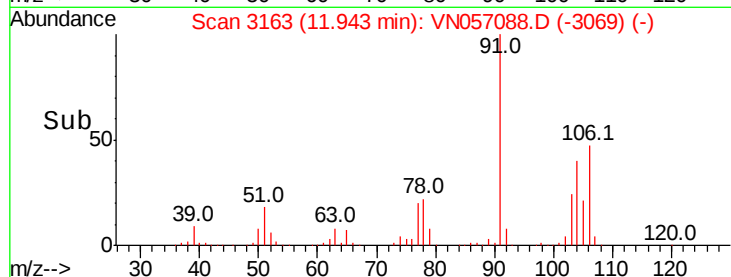
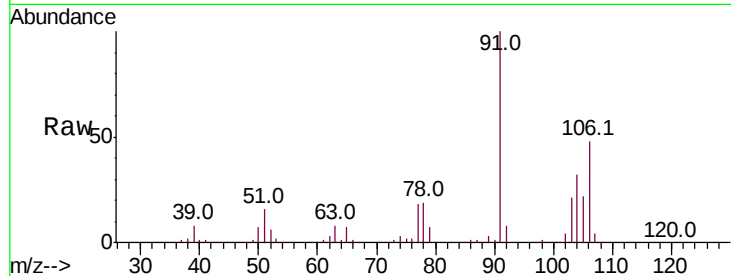
#69
o-Xylene
Concen: 51.689 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 386404
Ion Ratio Lower Upper
106 100
91 210.5 106.2 318.6

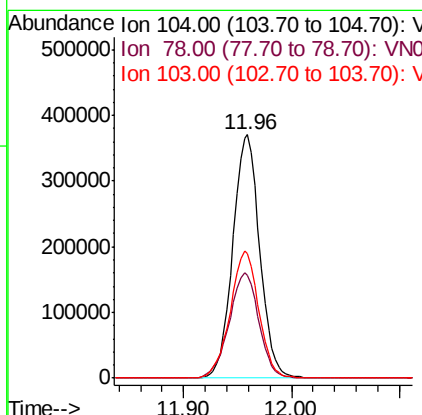
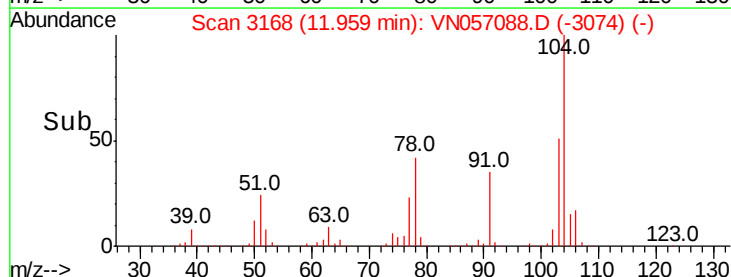
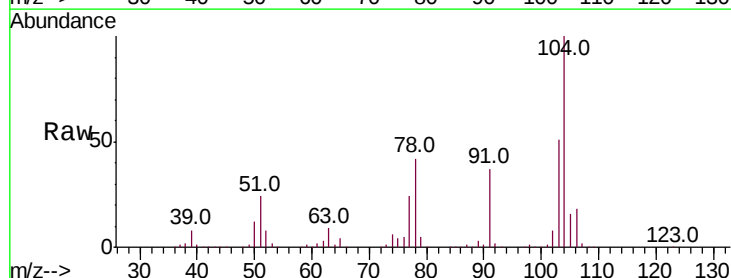
Manual Integrations
APPROVED

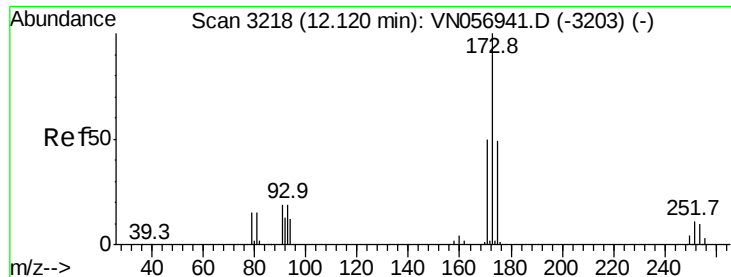
MMDadoda
8/7/2019 4:09:48 AM



#70
Styrene
Concen: 48.475 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion:104 Resp: 639731
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.7 44.3 66.5





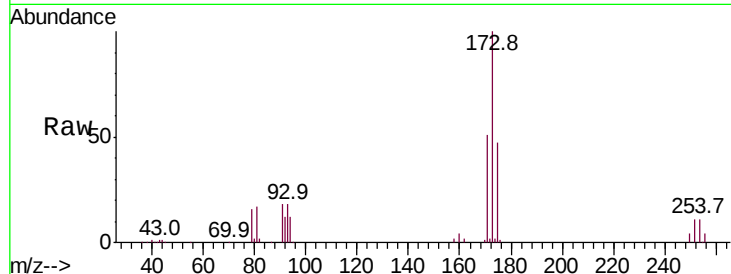
#71
Bromoform
Concen: 56.311 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

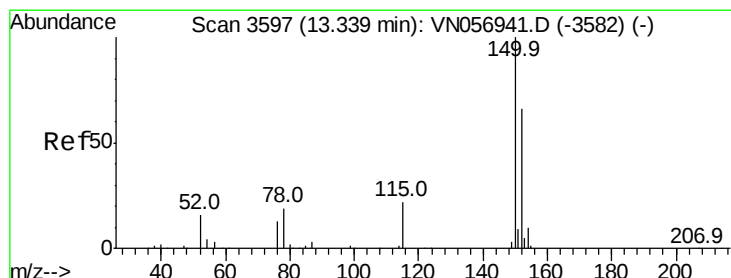
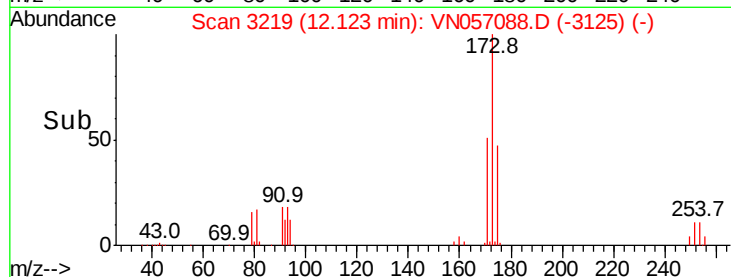
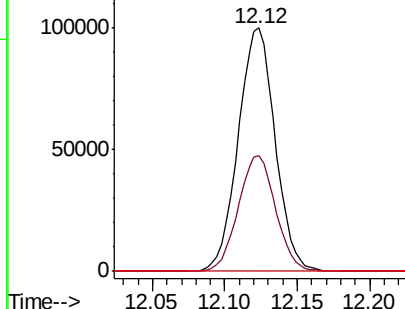
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.4
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM

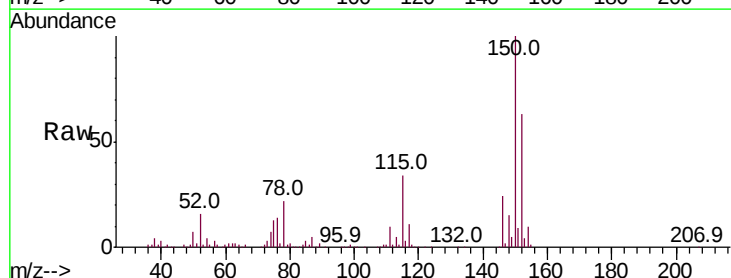


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

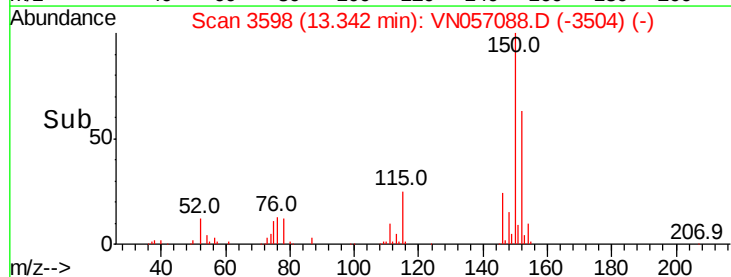
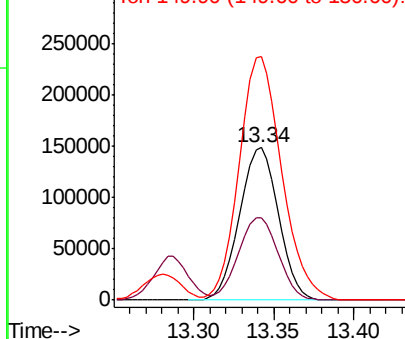


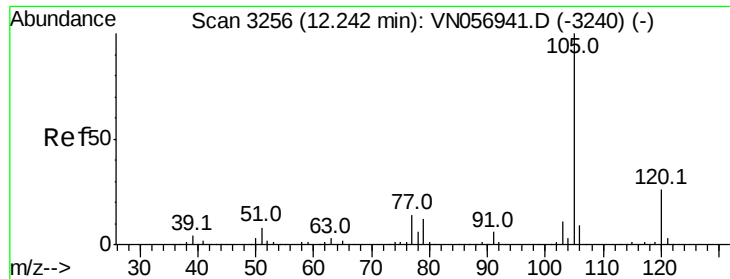
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.2	84.6
150	174.8	0.0	349.4



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: 48.406 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1033203

Ion Ratio Lower Upper

105 100

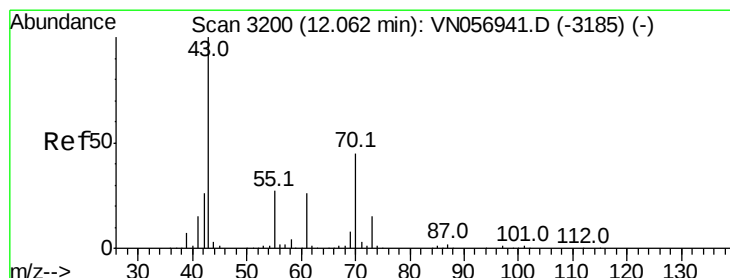
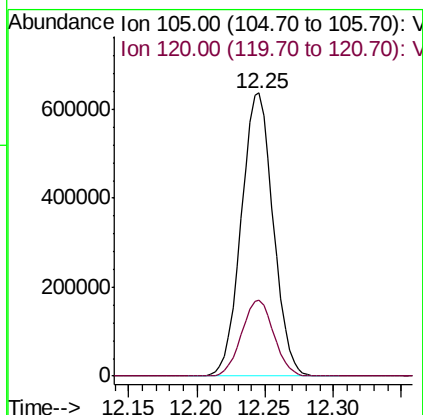
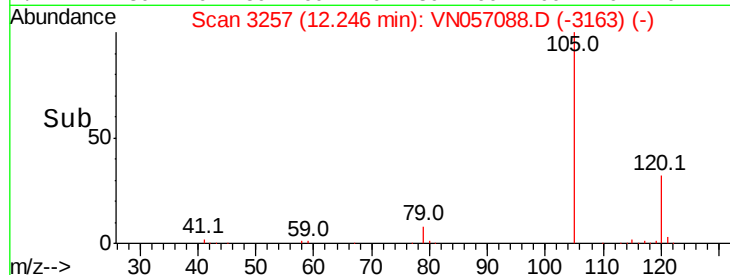
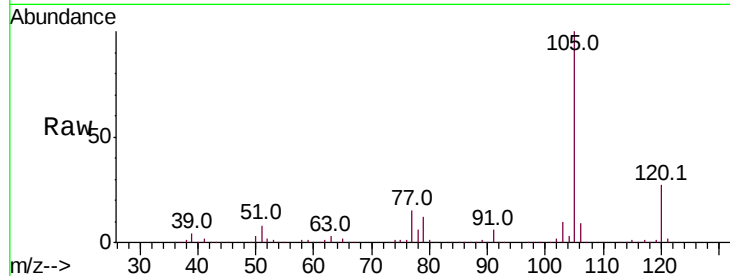
120 27.1 13.5 40.5

Manual Integrations

APPROVED

MMDadoda

8/7/2019 4:09:48 AM



#74

N-ethyl acetate

Concen: 50.655 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion: 43 Resp: 313940

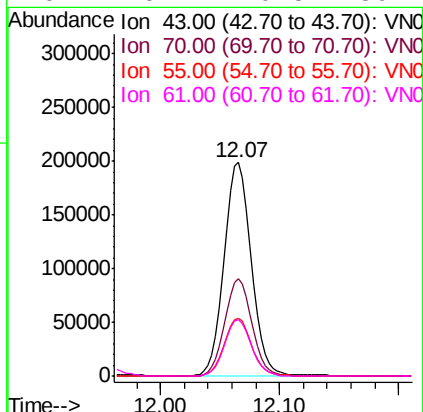
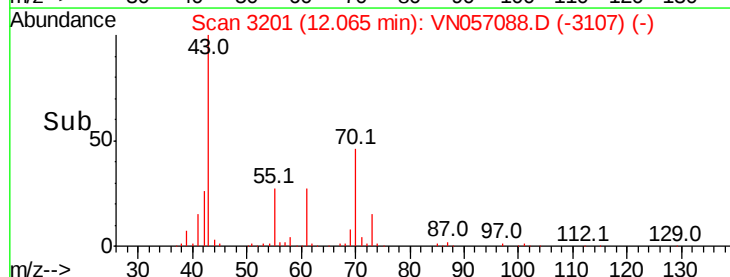
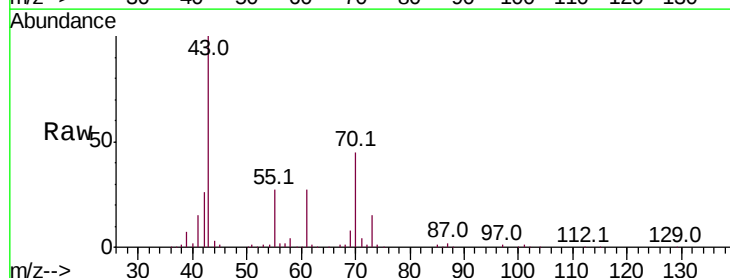
Ion Ratio Lower Upper

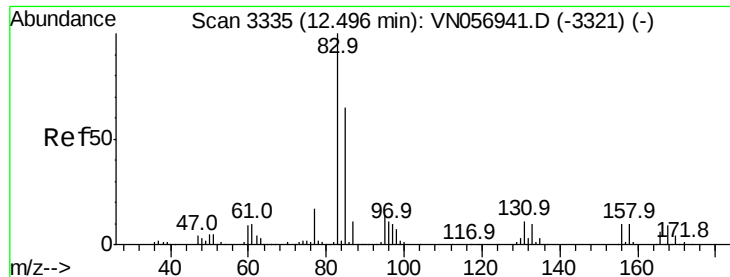
43 100

70 45.5 36.5 54.7

55 27.2 21.4 32.0

61 26.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 53.614 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

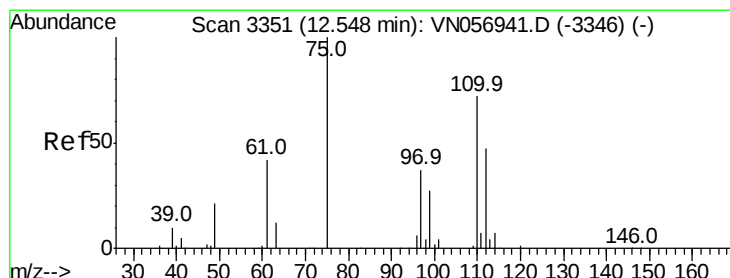
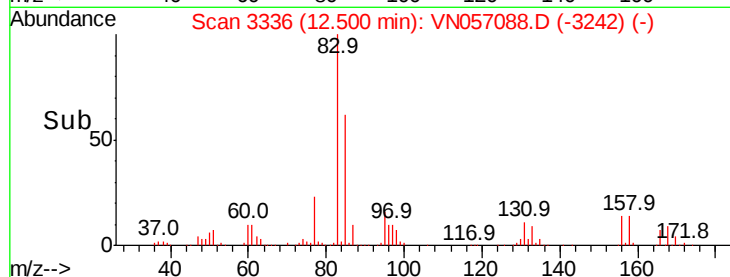
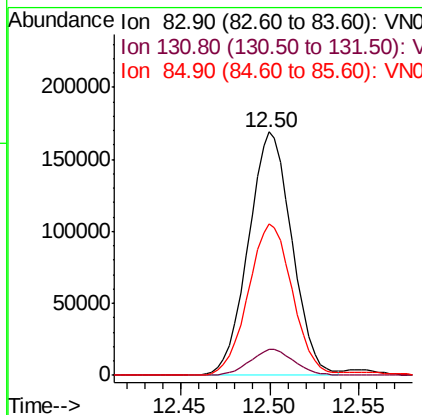
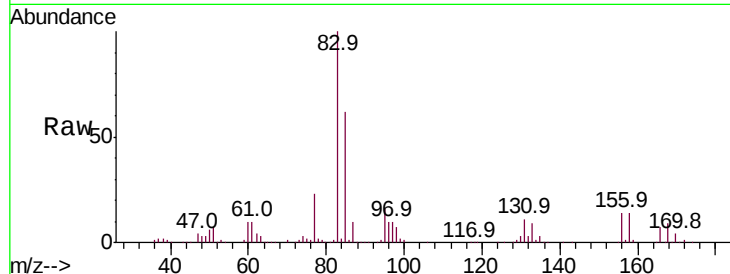
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	288253
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	63.0	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM



#76

1,2,3-Trichloropropane

Concen: 47.200 ug/l m

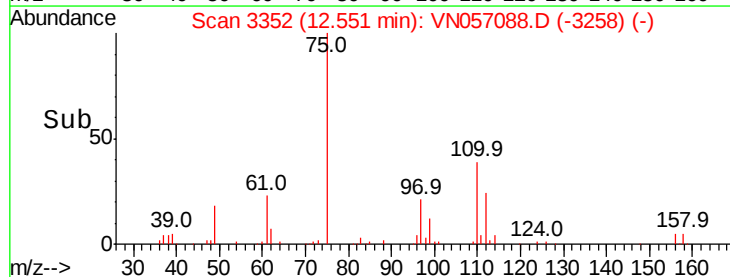
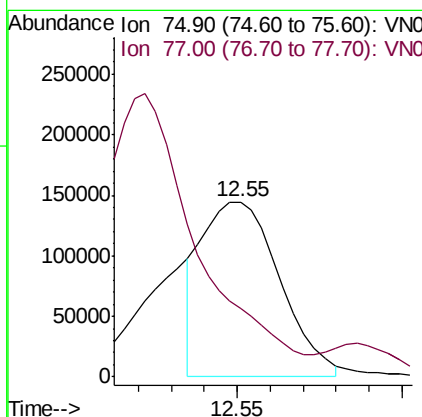
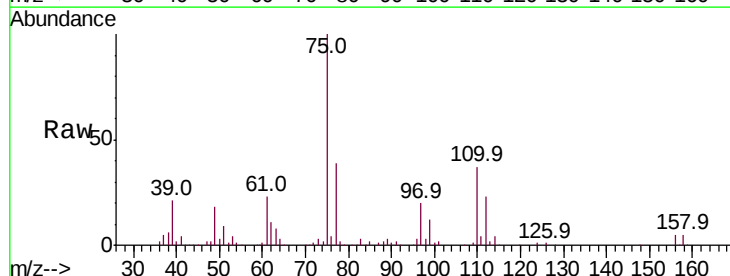
RT: 12.55 min Scan# 3352

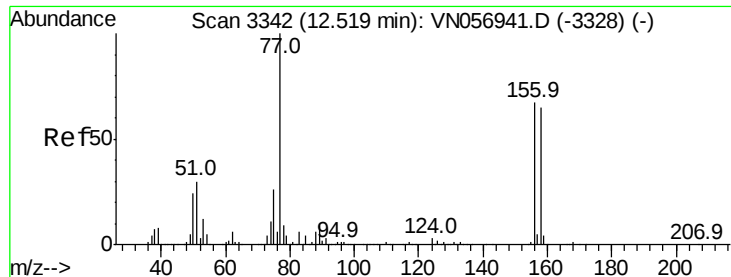
Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion:	75	Resp:	236735
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.763 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 277216

Ion Ratio Lower Upper

156 100

77 174.8 89.5 268.5

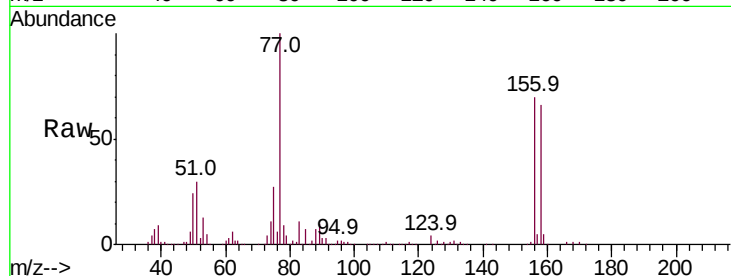
158 95.1 48.4 145.3

Manual Integrations

APPROVED

MMDadoda

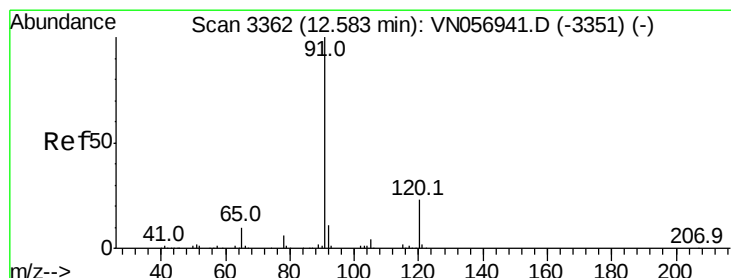
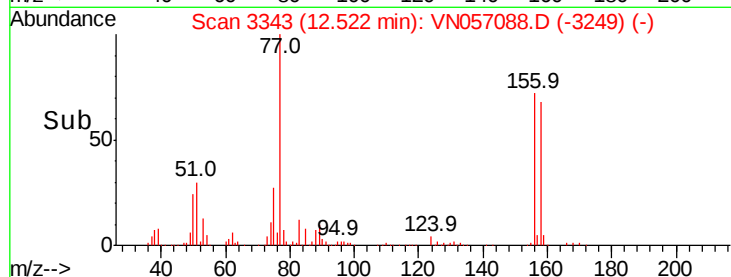
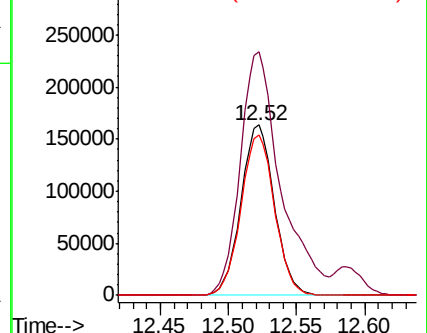
8/7/2019 4:09:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.886 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057088.D

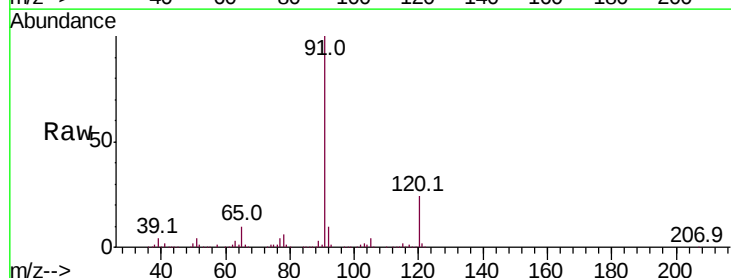
Acq: 5 Aug 2019 17:34

Tgt Ion: 91 Resp: 1114111

Ion Ratio Lower Upper

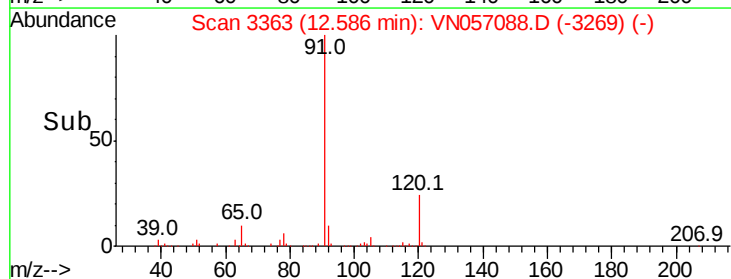
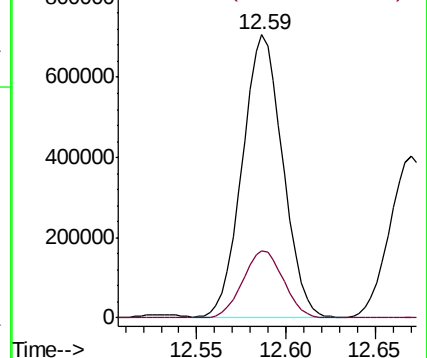
91 100

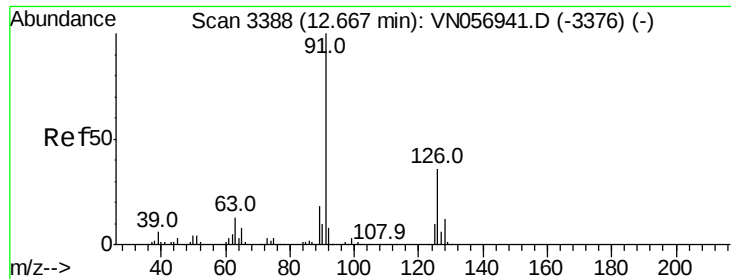
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.802 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 670810

Ion Ratio Lower Upper

91 100

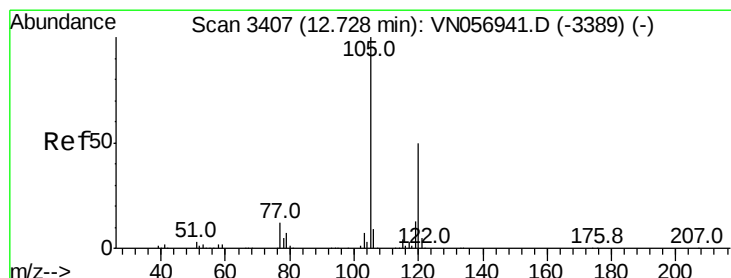
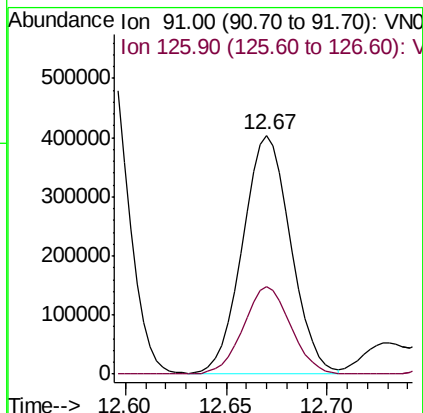
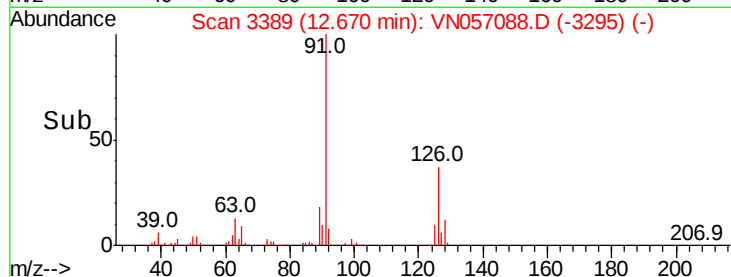
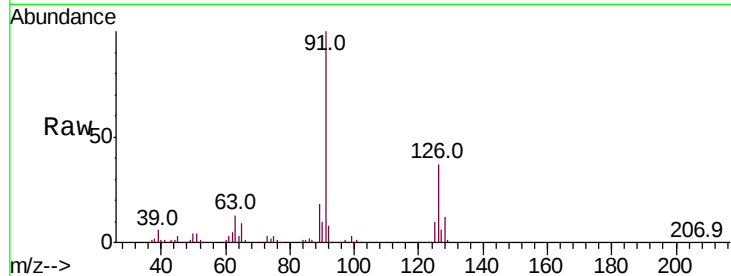
126 36.3 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

8/7/2019 4:09:48 AM



#80

1,3,5-Trimethylbenzene

Concen: 49.386 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN057088.D

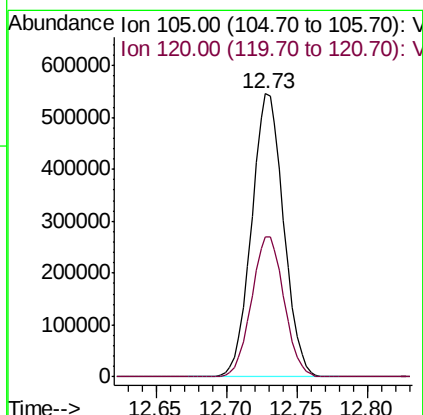
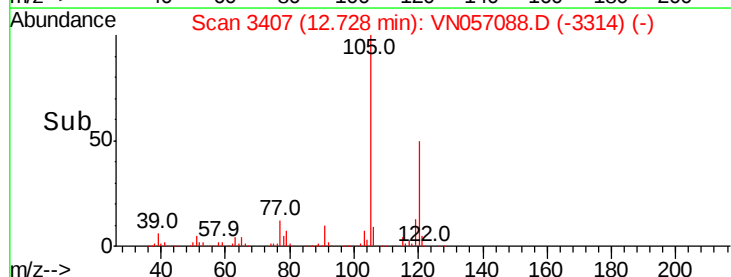
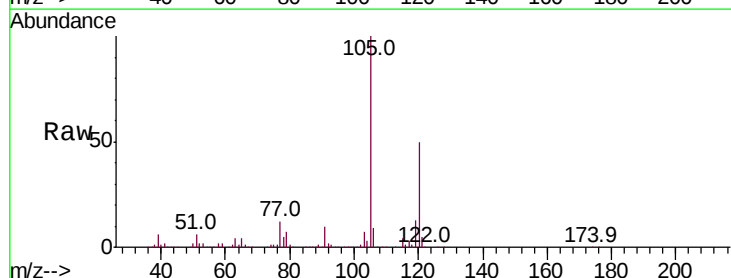
Acq: 5 Aug 2019 17:34

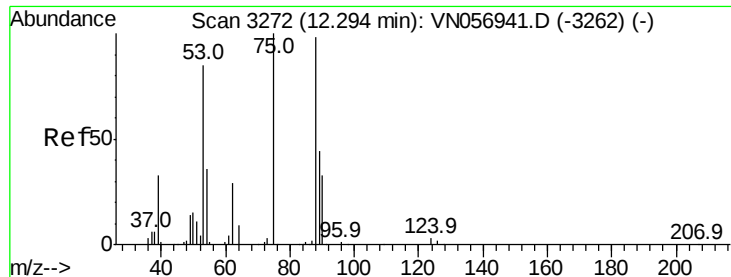
Tgt Ion: 105 Resp: 865150

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.138 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

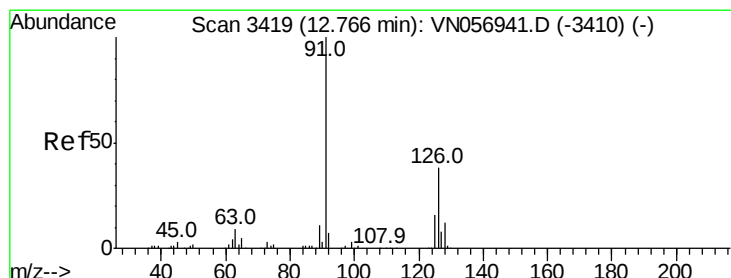
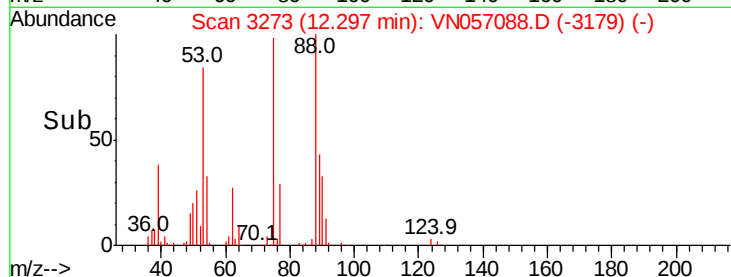
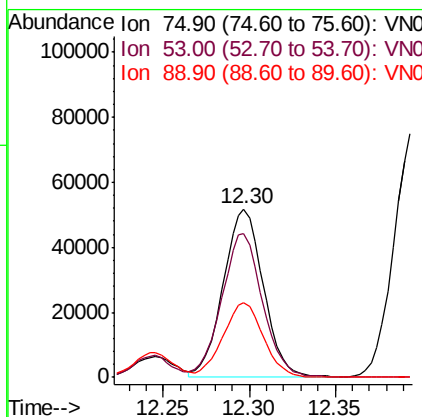
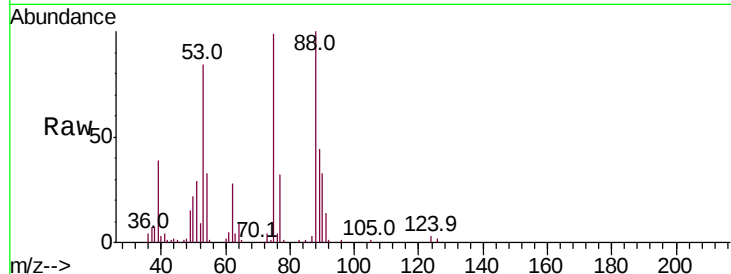
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	84511
Ion	Ratio	Lower	Upper
75	100		
53	87.0	69.3	103.9
89	44.7	35.8	53.6

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM



#82

4-Chlorotoluene

Concen: 49.314 ug/l

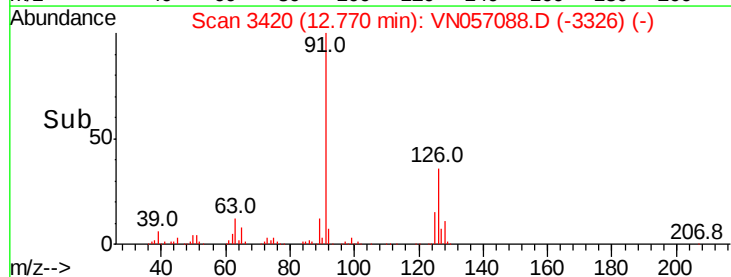
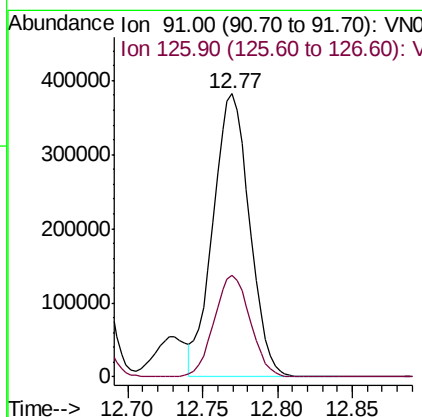
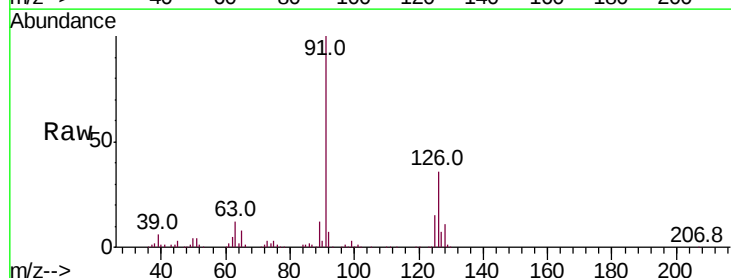
RT: 12.77 min Scan# 3420

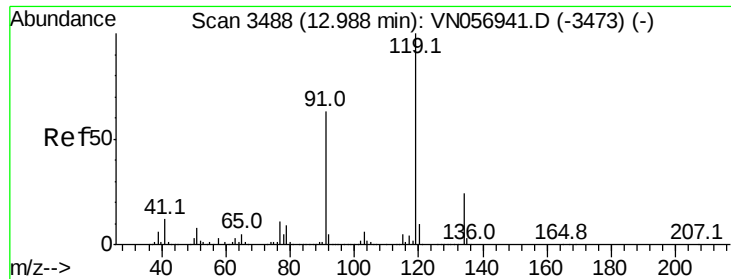
Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion:	91	Resp:	647625
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.5





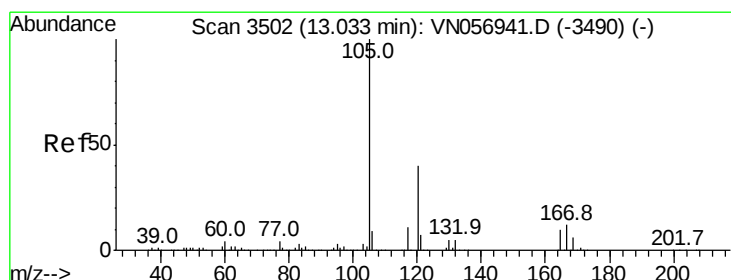
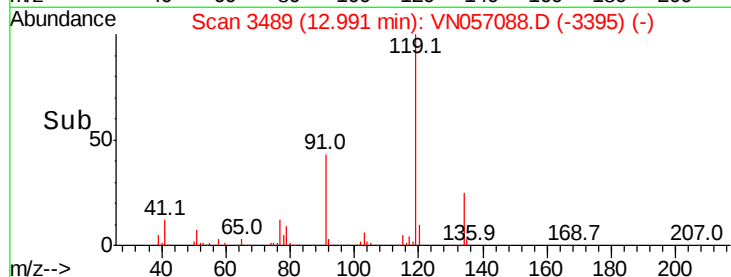
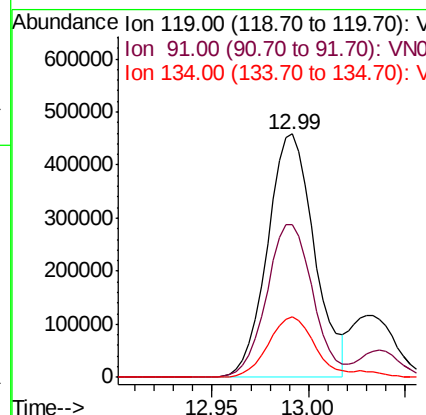
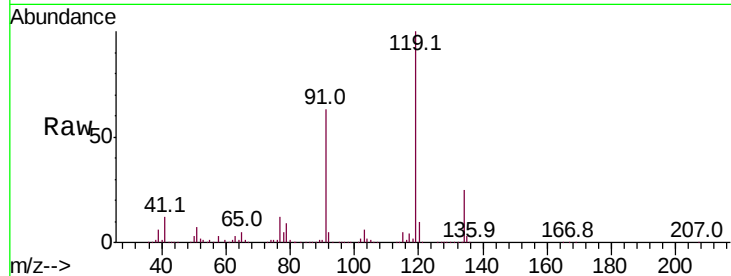
#83
 tert-Butylbenzene
 Concen: 49.775 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.3	93.8
134	26.2	13.3	39.8

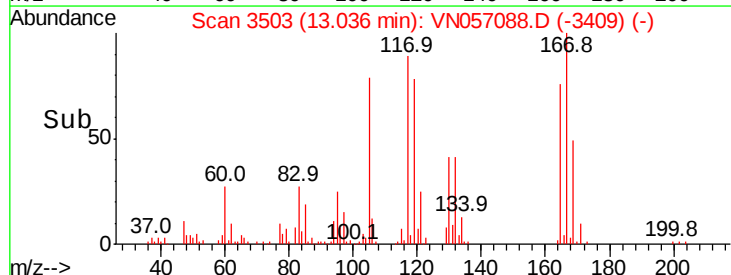
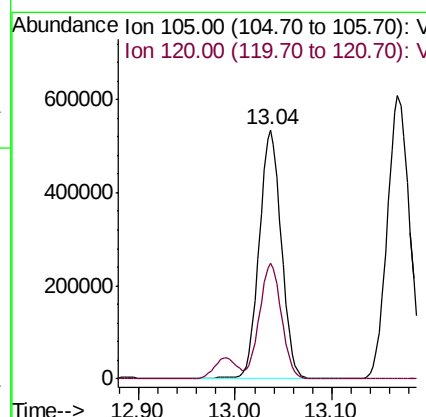
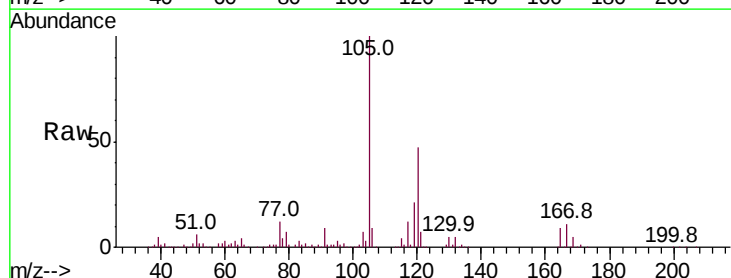
Manual Integrations
 APPROVED

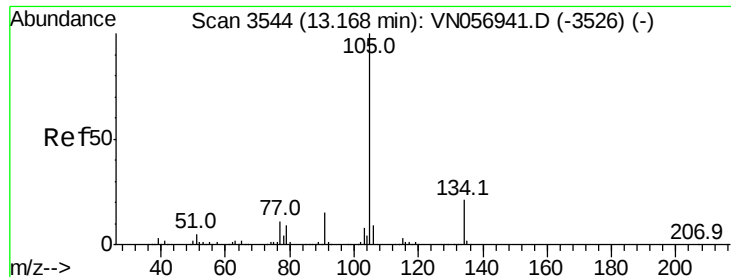
MMDadoda
 8/7/2019 4:09:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.440 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.6





#85

sec-Butylbenzene

Concen: 48.575 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 971640

Ion Ratio Lower Upper

105 100

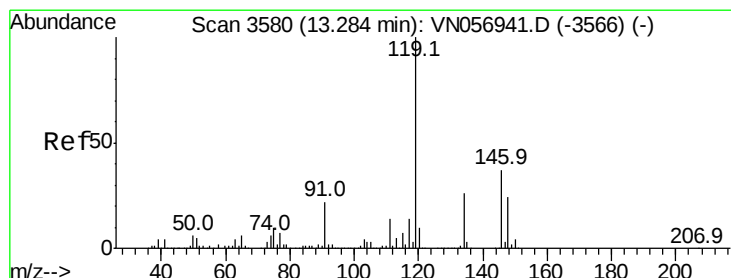
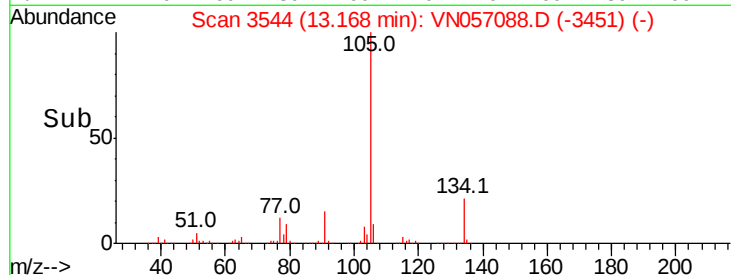
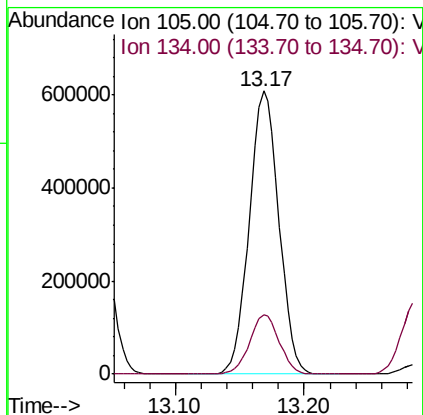
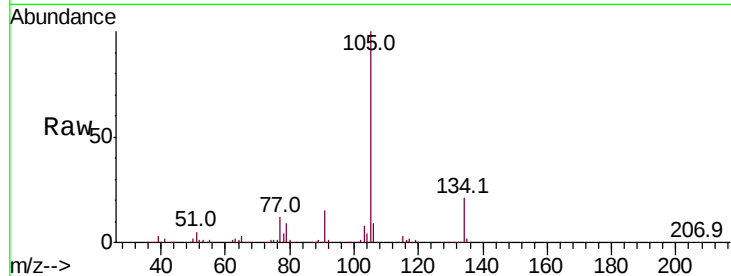
134 21.0 10.3 30.8

Manual Integrations

APPROVED

MMDadoda

8/7/2019 4:09:48 AM



#86

p-Isopropyltoluene

Concen: 50.102 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

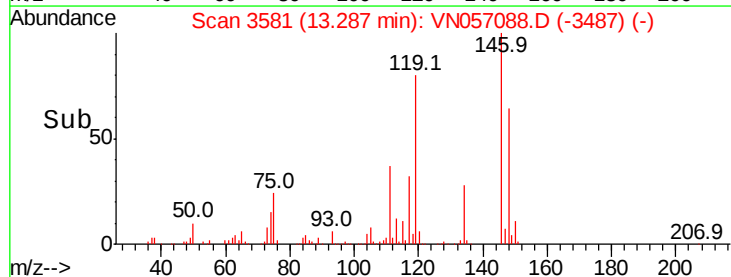
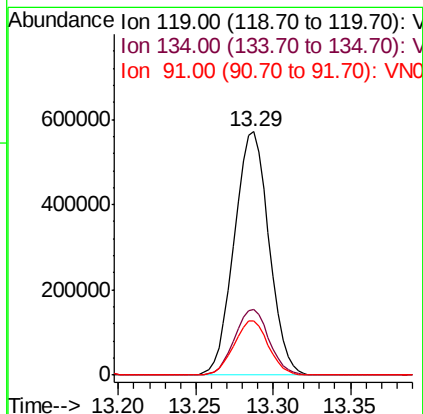
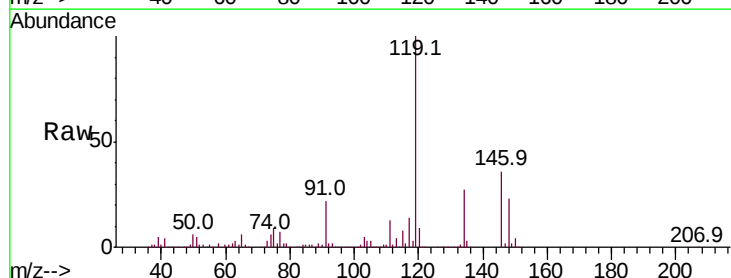
Tgt Ion:119 Resp: 889764

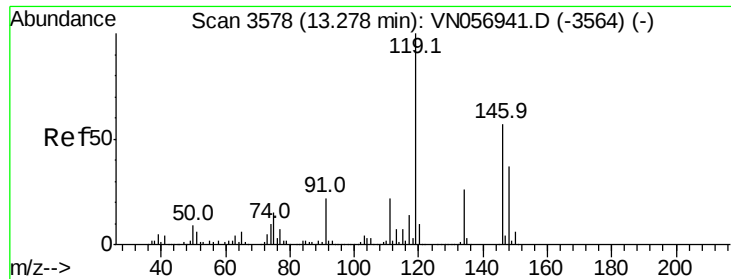
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.9 11.0 33.0





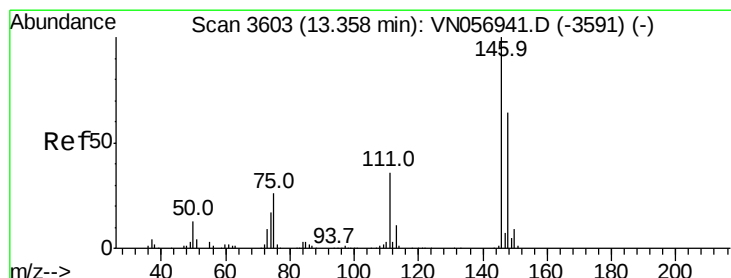
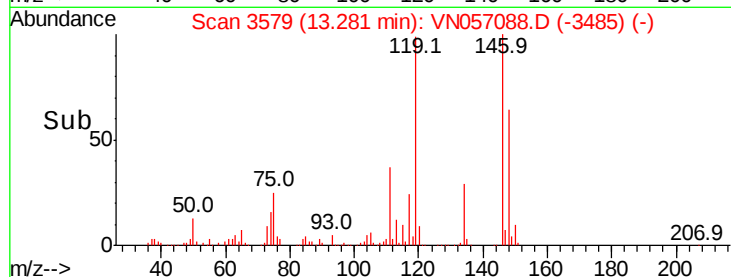
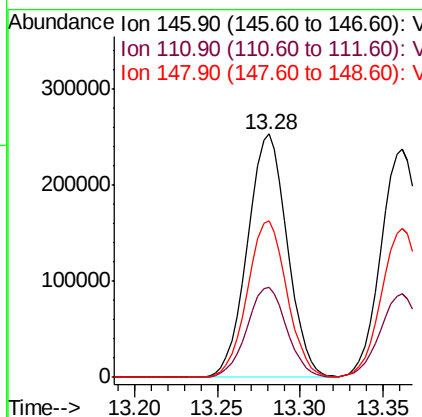
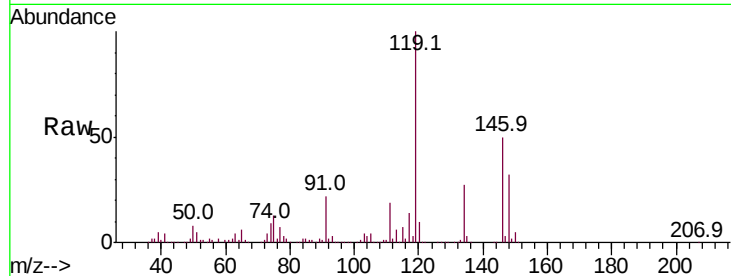
#87
 1,3-Dichlorobenzene
 Concen: 49.990 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	63.9	32.2	96.6

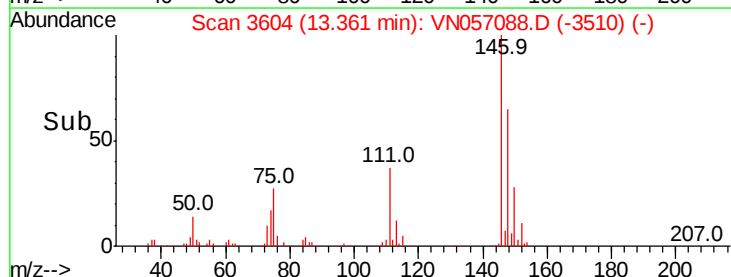
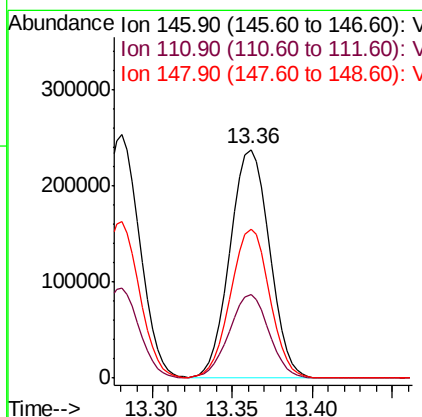
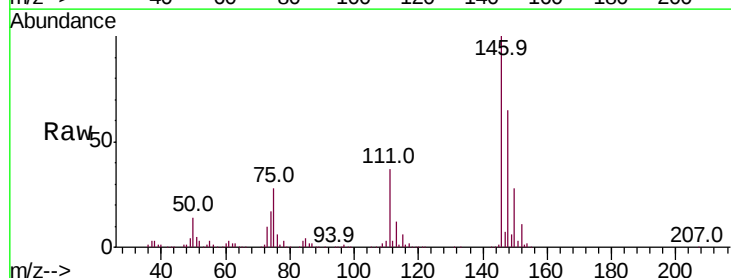
Manual Integrations
 APPROVED

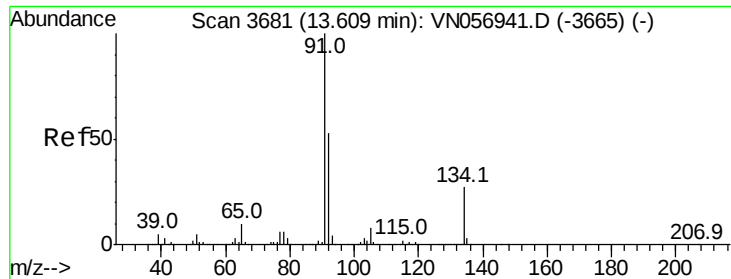
MMDadoda
 8/7/2019 4:09:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.231 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.2
148	64.4	32.3	96.9





#89

n-Butylbenzene

Concen: 48.726 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

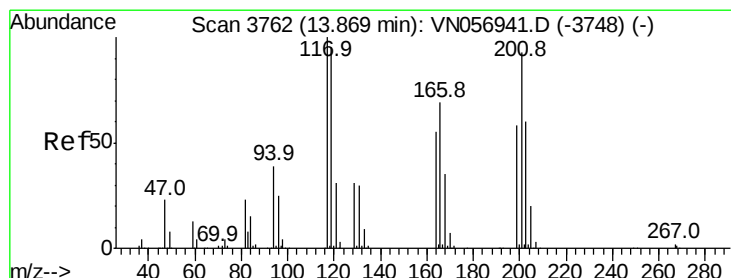
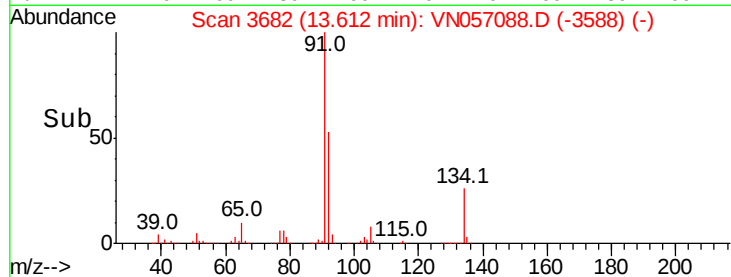
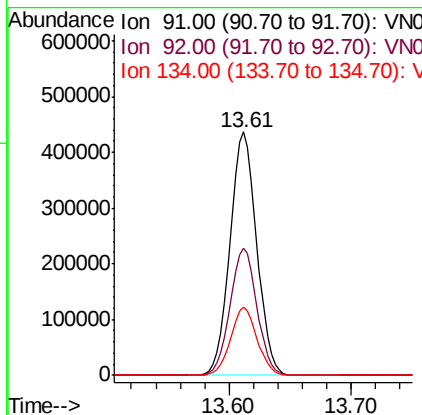
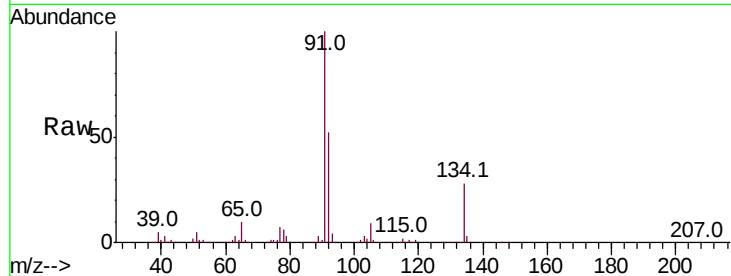
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	666914
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	27.6	13.5	40.4

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM



#90

Hexachloroethane

Concen: 51.457 ug/l

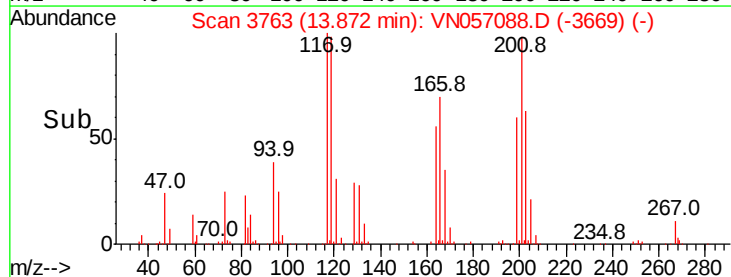
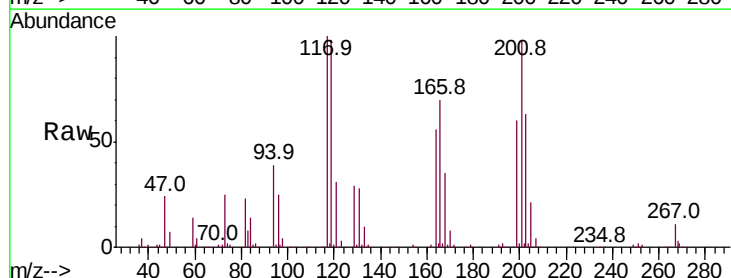
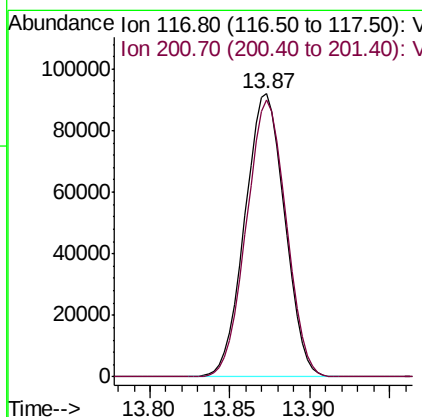
RT: 13.87 min Scan# 3763

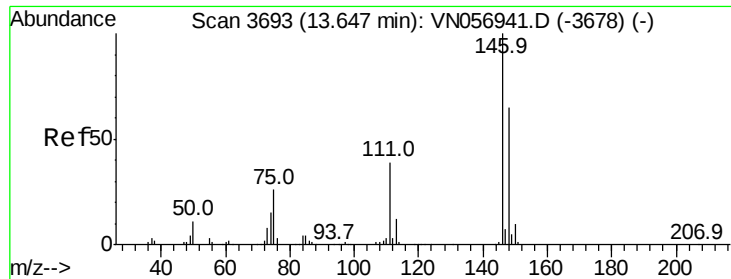
Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion:	117	Resp:	157353
Ion	Ratio	Lower	Upper
117	100		
201	97.2	47.0	141.2





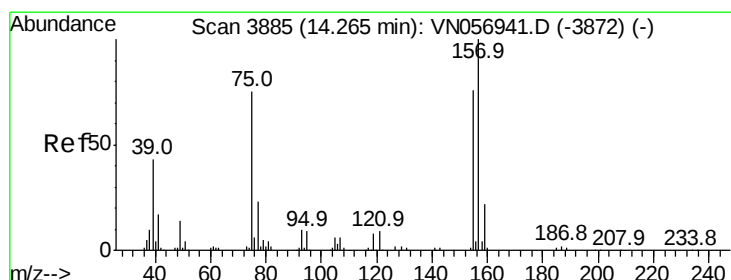
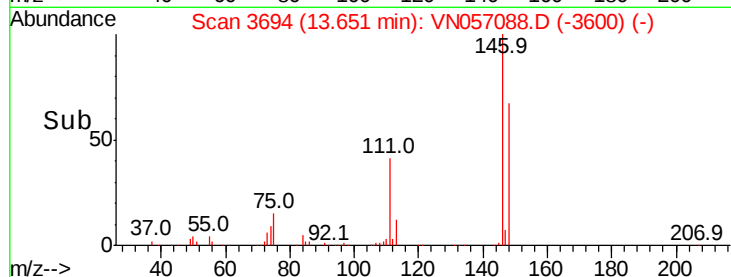
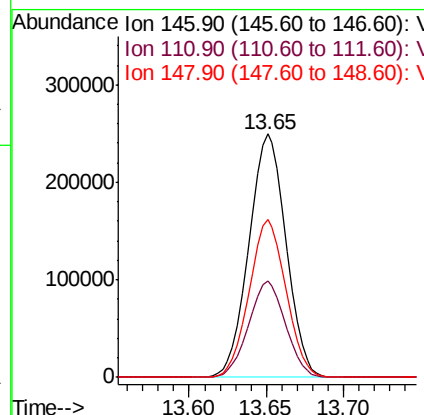
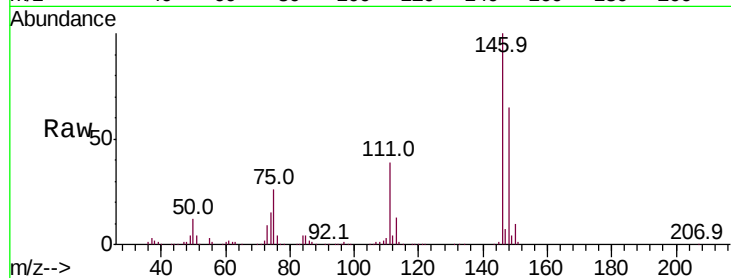
#91
 1,2-Dichlorobenzene
 Concen: 50.055 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.4
148	64.4	32.2	96.6

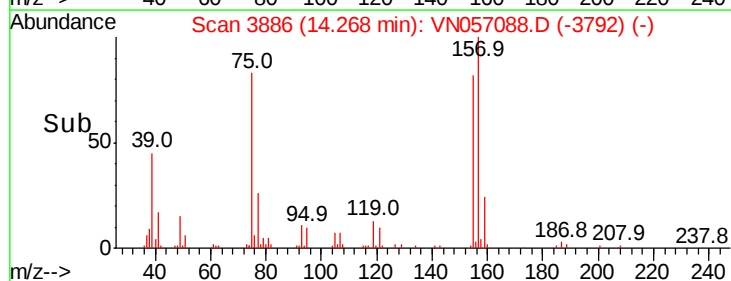
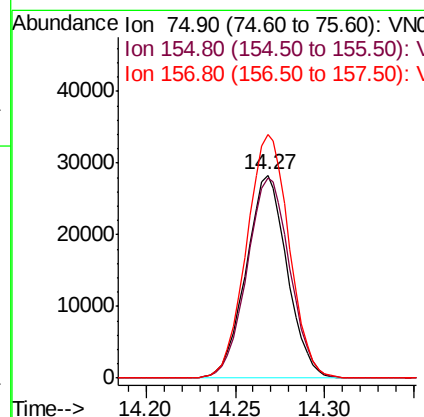
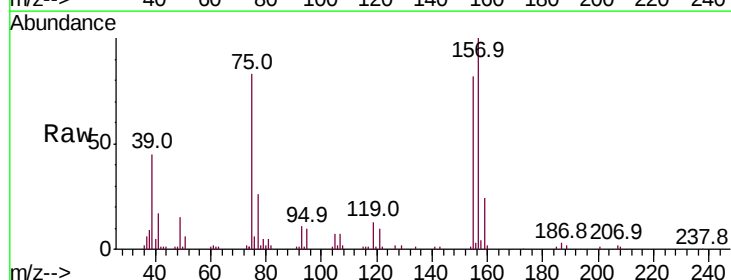
Manual Integrations
 APPROVED

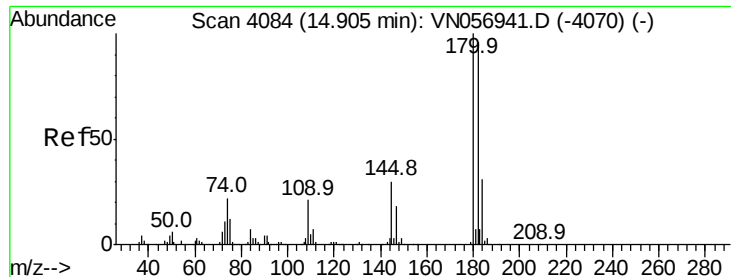
MMDadoda
 8/7/2019 4:09:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.662 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	50.2	150.6
157	124.5	65.1	195.4





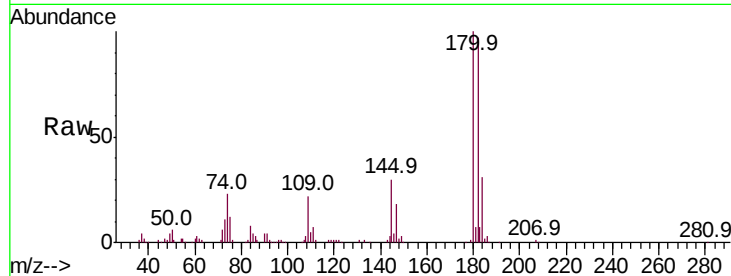
#93
 1,2,4-Trichlorobenzene
 Concen: 40.306 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

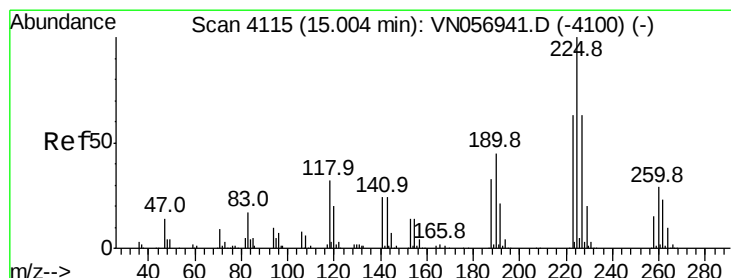
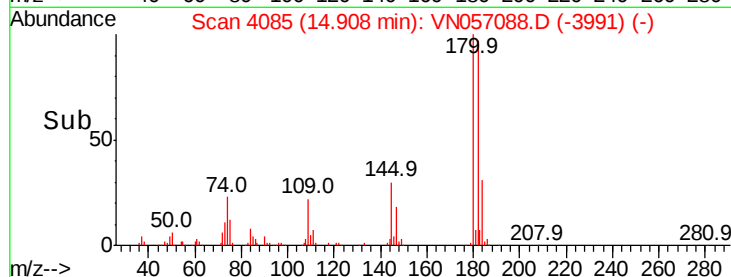
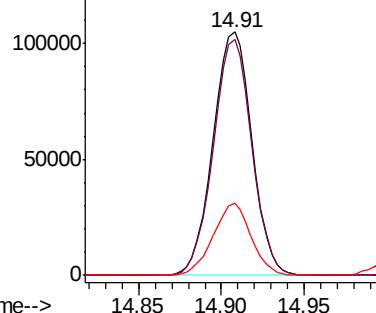
Tot Ion	Ratio	Resp	Lower	Upper
180	100	171018		
182	95.8	47.6	142.8	
145	28.9	14.2	42.8	

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:48 AM

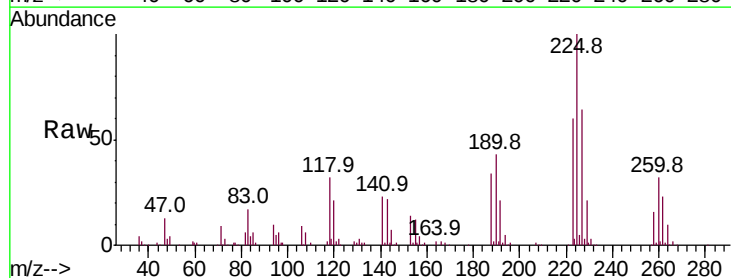


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

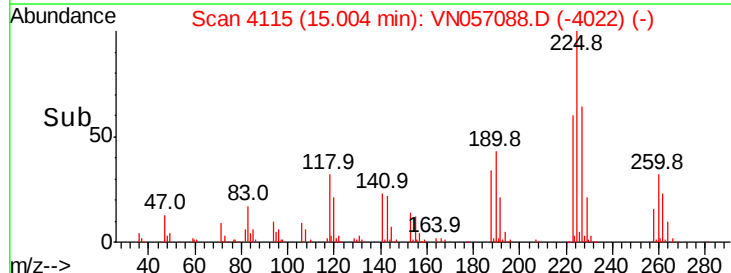
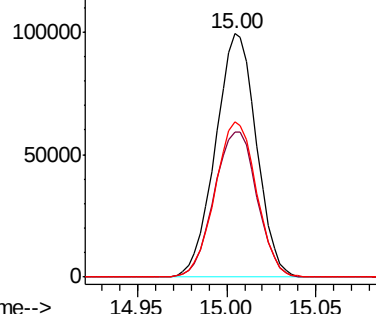


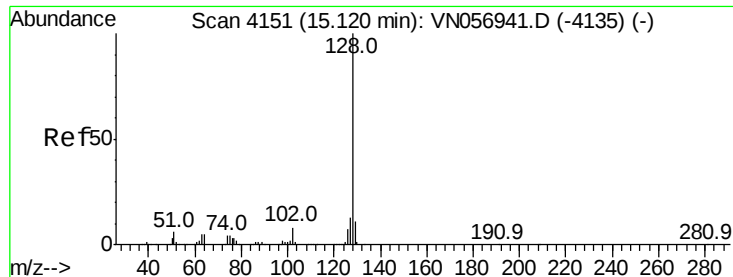
#94
 Hexachlorobutadiene
 Concen: 54.904 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	158996		
223	62.7	30.8	92.4	
227	64.7	31.1	93.5	



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: 42.998 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

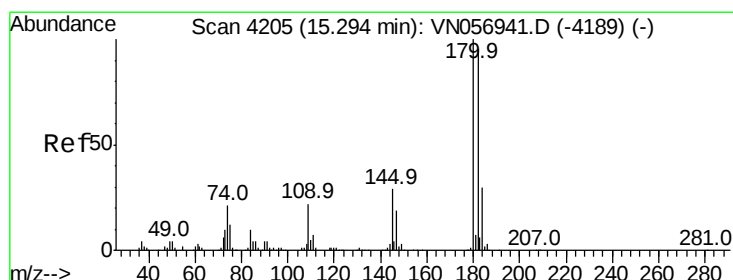
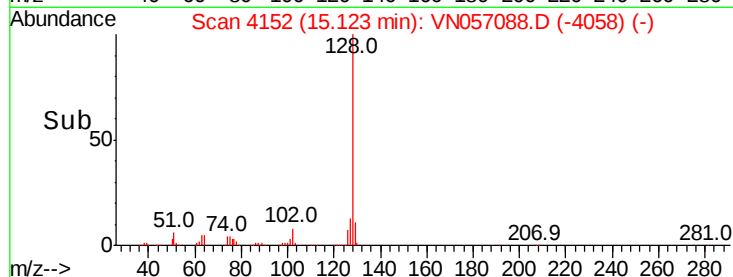
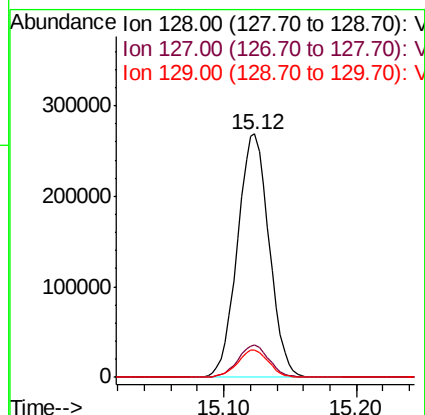
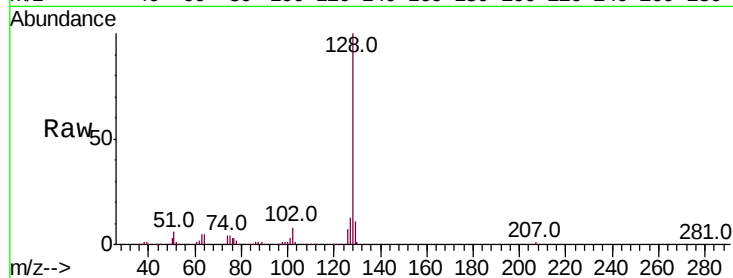
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	445521
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.315 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion:	180	Resp:	196140
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.0	144.2
145	30.0	15.0	45.0

